

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549**

**FORM 10-K**

(Mark One)

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE  
SECURITIES EXCHANGE ACT OF 1934  
FOR THE FISCAL YEAR ENDED December 31, 2022

OR

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE  
SECURITIES EXCHANGE ACT OF 1934  
FOR THE TRANSITION PERIOD FROM      TO

Commission File Number	Name of Registrant, Address, and Telephone Number	State or other jurisdiction of Incorporation	I.R.S. Employer Identification Number
001-09120	<b>Public Service Enterprise Group Incorporated</b> 80 Park Plaza Newark, New Jersey 07102 973 430-7000	New Jersey	22-2625848
001-00973	<b>Public Service Electric and Gas Company</b> 80 Park Plaza Newark, New Jersey 07102 973 430-7000	New Jersey	22-1212800

**Securities registered pursuant to Section 12(b) of the Act:**

Title of Each Class	Trading Symbol(s)	Name of Each Exchange On Which Registered
<b>Public Service Enterprise Group Incorporated</b> Common Stock without par value	PEG	New York Stock Exchange
<b>Public Service Electric and Gas Company</b> 8.00% First and Refunding Mortgage Bonds, due 2037	PEG37D	New York Stock Exchange
5.00% First and Refunding Mortgage Bonds, due 2037	PEG37J	New York Stock Exchange

**Securities registered pursuant to Section 12(g) of the Act: None**

Indicate by check mark whether each registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act.

Public Service Enterprise Group Incorporated	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Public Service Electric and Gas Company	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

Indicate by check mark if each of the registrants is not required to file reports pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934.  Yes  No

Indicate by check mark whether each of the registrants (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrants were required to file such reports) and (2) has been subject to such filing requirements for the past 90 days.  Yes  No

(Cover continued on next page)

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(Cover continued from previous page)

Indicate by check mark whether the registrants have submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrants were required to submit such files).  Yes  No

Indicate by check mark whether each registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of “large accelerated filer,” “accelerated filer,” “smaller reporting company,” and “emerging growth company” in Rule 12b-2 of the Exchange Act.

Public Service Enterprise Group Incorporated	Large Accelerated Filer	<input checked="" type="checkbox"/>	Accelerated Filer	<input type="checkbox"/>	Non-accelerated Filer	<input type="checkbox"/>	Smaller reporting company	<input type="checkbox"/>	Emerging growth company	<input type="checkbox"/>
Public Service Electric and Gas Company	Large Accelerated Filer	<input type="checkbox"/>	Accelerated Filer	<input type="checkbox"/>	Non-accelerated Filer	<input checked="" type="checkbox"/>	Smaller reporting company	<input type="checkbox"/>	Emerging growth company	<input type="checkbox"/>

If any of the registrants is an emerging growth company, indicate by check mark if such registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether each of the registrants has filed a report on and attestation to its management’s assessment of the effectiveness of its internal control over financial reporting under Section 404(b) of the Sarbanes-Oxley Act (15 U.S.C. 726(b)) by the registered public accounting firm that prepared and issued its audit report.

Public Service Enterprise Group Incorporated	<input checked="" type="checkbox"/>
Public Service Electric and Gas Company	<input type="checkbox"/>

Indicate by check mark whether any of the registrants is a shell company (as defined in Rule 12b-2 of the Exchange Act).

Yes  No

The aggregate market value of the Common Stock of Public Service Enterprise Group Incorporated held by non-affiliates as of June 30, 2022 was \$31,279,390,691 based upon the New York Stock Exchange Composite Transaction closing price.

The number of shares outstanding of Public Service Enterprise Group Incorporated’s sole class of Common Stock as of February 17, 2023 was 498,769,910.

As of February 17, 2023, Public Service Electric and Gas Company had issued and outstanding 132,450,344 shares of Common Stock, without nominal or par value, all of which were held, beneficially and of record, by Public Service Enterprise Group Incorporated.

Public Service Electric and Gas Company is a wholly owned subsidiary of Public Service Enterprise Group Incorporated and meets the conditions set forth in General Instruction I(1)(a) and (b) of Form 10-K. Public Service Electric and Gas Company is filing its Annual Report on Form 10-K with the reduced disclosure format authorized by General Instruction I.

**DOCUMENTS INCORPORATED BY REFERENCE**

**Part of Form 10-K of  
Public Service  
Enterprise Group Incorporated**

**III**

**Documents Incorporated by Reference**

Portions of the definitive Proxy Statement for the 2023 Annual Meeting of Stockholders of Public Service Enterprise Group Incorporated, which definitive Proxy Statement is expected to be filed with the Securities and Exchange Commission on or about March 9, 2023, as specified herein.

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## FORWARD-LOOKING STATEMENTS

Certain of the matters discussed in this report about our and our subsidiaries' future performance, including, without limitation, future revenues, earnings, strategies, prospects, consequences and all other statements that are not purely historical constitute "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. Such forward-looking statements are subject to risks and uncertainties, which could cause actual results to differ materially from those anticipated. Such statements are based on management's beliefs as well as assumptions made by and information currently available to management. When used herein, the words "anticipate," "intend," "estimate," "believe," "expect," "plan," "should," "hypothetical," "potential," "forecast," "project," variations of such words and similar expressions are intended to identify forward-looking statements. Factors that may cause actual results to differ are often presented with the forward-looking statements themselves. Other factors that could cause actual results to differ materially from those contemplated in any forward-looking statements made by us herein are discussed in Item 1A. Risk Factors, Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations (MD&A), Item 8. Financial Statements and Supplementary Data—Note 15. Commitments and Contingent Liabilities, and other filings we make with the United States Securities and Exchange Commission (SEC), including our subsequent reports on Form 10-Q and Form 8-K. These factors include, but are not limited to:

- any inability to successfully develop, obtain regulatory approval for, or construct transmission and distribution, and other generation projects;
- the physical, financial and transition risks related to climate change, including risks relating to potentially increased legislative and regulatory burdens, changing customer preferences and lawsuits;
- any equipment failures, accidents, critical operating technology or business system failures, severe weather events, acts of war, terrorism or other acts of violence, sabotage, physical attacks or security breaches, cyberattacks or other incidents that may impact our ability to provide safe and reliable service to our customers;
- any inability to recover the carrying amount of our long-lived assets;
- disruptions or cost increases in our supply chain, including labor shortages;
- any inability to maintain sufficient liquidity or access sufficient capital on commercially reasonable terms;
- the impact of cybersecurity attacks or intrusions or other disruptions to our information technology, operational or other systems;
- a material shift away from natural gas toward increased electrification and a reduction in the use of natural gas;
- the impact of the coronavirus pandemic;
- failure to attract and retain a qualified workforce;
- inflation, including increases in the costs of equipment, materials, fuel and labor;
- the impact of our covenants in our debt instruments and credit agreements on our business;
- adverse performance of our defined benefit plan trust funds and Nuclear Decommissioning Trust Fund and increases in funding requirements and pension costs;
- fluctuations in wholesale power and natural gas markets, including the potential impacts on the economic viability of our generation units;
- our ability to obtain adequate nuclear fuel supply;
- changes in technology related to energy generation, distribution and consumption and changes in customer usage patterns;
- third-party credit risk relating to and purchase of nuclear fuel;
- any inability to meet our commitments under forward sale obligations and Regional Transmission Organization rules;
- reliance on transmission facilities to maintain adequate transmission capacity for our nuclear generation fleet;
- the impact of changes in state and federal legislation and regulations on our business, including PSE&G's ability to recover costs and earn returns on authorized investments;

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- PSE&G’s proposed investment programs may not be fully approved by regulators and its capital investment may be lower than planned;
- our ability to advocate for and our receipt of appropriate regulatory guidance to ensure long-term support for our nuclear fleet;
- adverse changes in and non-compliance with energy industry laws, policies, regulations and standards, including market structures and transmission planning and transmission returns;
- risks associated with our ownership and operation of nuclear facilities, including increased nuclear fuel storage costs, regulatory risks, such as compliance with the Atomic Energy Act and trade control, environmental and other regulations, as well as financial, environmental and health and safety risks;
- changes in federal and state environmental laws and regulations and enforcement;
- delays in receipt of, or an inability to receive, necessary licenses and permits and siting approvals; and
- changes in tax laws and regulations.

All of the forward-looking statements made in this report are qualified by these cautionary statements and we cannot assure you that the results or developments anticipated by management will be realized or even if realized, will have the expected consequences to, or effects on, us or our business, prospects, financial condition, results of operations or cash flows. Readers are cautioned not to place undue reliance on these forward-looking statements in making any investment decision. Forward-looking statements made in this report apply only as of the date of this report. While we may elect to update forward-looking statements from time to time, we specifically disclaim any obligation to do so, even in light of new information or future events, unless otherwise required by applicable securities laws.

The forward-looking statements contained in this report are intended to qualify for the safe harbor provisions of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended.

From time to time, PSEG and PSE&G release important information via postings on their corporate Investor Relations website at <https://investor.pseg.com>. Investors and other interested parties are encouraged to visit the Investor Relations website to review new postings. You can sign up for automatic email alerts regarding new postings at the bottom of the webpage at <https://investor.pseg.com> or by navigating to the Email Alerts webpage at <https://investor.pseg.com/resources/email-alerts/default.aspx>. The information on <https://investor.pseg.com> and <https://investor.pseg.com/resources/email-alerts/default.aspx> is not incorporated herein and is not part of this Form 10-K.

## FILING FORMAT

This combined Annual Report on Form 10-K is separately filed by Public Service Enterprise Group Incorporated (PSEG) and Public Service Electric and Gas Company (PSE&G). Information relating to any individual company is filed by such company on its own behalf. PSE&G is only responsible for information about itself and its subsidiaries.

Discussions throughout the document refer to PSEG and its direct operating subsidiaries. Depending on the context of each section, references to “we,” “us,” and “our” relate to PSEG or to the specific company or companies being discussed.

## WHERE TO FIND MORE INFORMATION

We file annual, quarterly and current reports, proxy statements and other information with the SEC. You may obtain our filed documents from commercial document retrieval services, the SEC’s internet website at [www.sec.gov](http://www.sec.gov) or our website at <https://investor.pseg.com>. Information on our website should not be deemed incorporated into or as a part of this report. Our Common Stock is listed on the New York Stock Exchange under the trading symbol PEG. You can obtain information about us at the offices of the New York Stock Exchange, Inc., 11 Wall Street, New York, New York 10005.

## PART I

### ITEM 1. BUSINESS

We were incorporated under the laws of the State of New Jersey in 1985 and our principal executive offices are located at 80 Park Plaza, Newark, New Jersey 07102. We principally conduct our business through two direct wholly owned subsidiaries, PSE&G and PSEG Power LLC (PSEG Power), each of which also has its principal executive offices at 80 Park Plaza, Newark, New Jersey 07102.

We are an energy company consisting primarily of a regulated electric and gas utility and a nuclear generation business. Over the past few years, our investments resulted in a higher percentage of earnings contribution by PSE&G. The sale of the fossil generating portfolio further simplified our business mix, resulting in an even higher percentage of earnings contribution by PSE&G going forward and provides more financial flexibility.

Our operations are located primarily in the Mid-Atlantic United States. Our business approach focuses on operational excellence, financial strength and disciplined investment. As a holding company, our profitability depends on our subsidiaries’ operating results. Below are descriptions of our two principal direct operating subsidiaries.

- **PSE&G**—A New Jersey corporation, incorporated in 1924, which is a franchised public utility in New Jersey. It is also the provider of last resort for gas and electric commodity service for end users in its service territory. PSE&G earns revenues from its regulated rate tariffs under which it provides electric transmission and electric and natural gas distribution to residential, commercial and industrial (C&I) customers in its service territory. It also offers appliance services and repairs to customers throughout its service territory and invests in regulated solar generation projects and regulated energy efficiency (EE) and related programs in New Jersey.
- **PSEG Power**—A Delaware limited liability company formed in 1999 as a result of the deregulation and restructuring of the electric power industry in New Jersey. PSEG Power earns revenues from its nuclear generation and marketing of power and natural gas to hedge business risks and the value of its portfolio of nuclear power plants, other contractual arrangements and gas storage facilities.

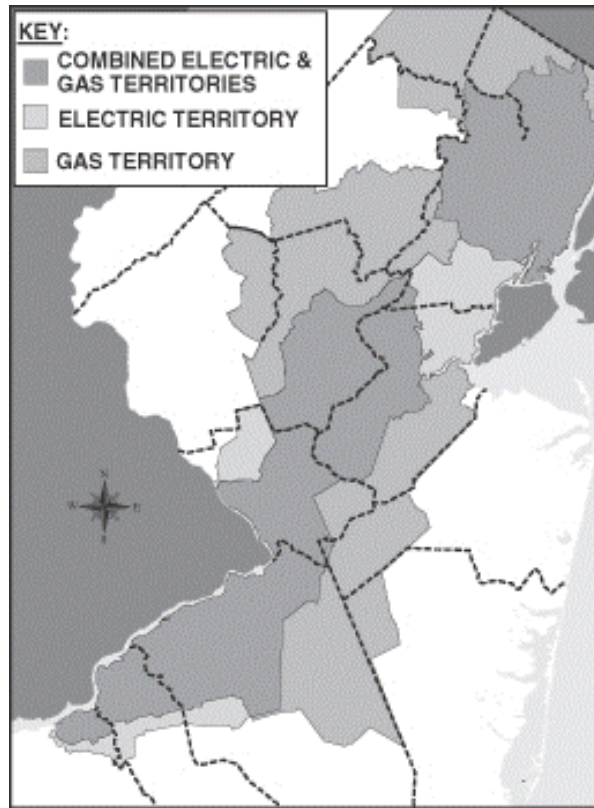
In February 2022, we completed the sale of our 6,750 megawatt (MW) fossil generation portfolio which represented an important milestone in our strategy. See Item 8. Note 4. Early Plant Retirements/Asset Dispositions and Impairments for additional information.

Our other direct wholly owned subsidiaries are: PSEG Energy Holdings L.L.C. (Energy Holdings), which holds our legacy portfolio of lease investments and interests in offshore wind ventures; PSEG Long Island LLC (PSEG LI), which operates the Long Island Power Authority’s (LIPA) electric transmission and distribution (T&D) system under a contractual agreement; and PSEG Services Corporation (Services), which provides us and our operating subsidiaries with certain management, administrative and general services at cost.

## OPERATIONS AND STRATEGY

### PSE&G

Our regulated T&D public utility, PSE&G, distributes electric energy and natural gas to customers within a designated service territory running diagonally across New Jersey where approximately 6.5 million people, or about 70% of New Jersey's population resides.



#### Products and Services

Our utility operations primarily earn margins through:

- **Transmission**—the movement of electricity at high voltage from generating plants to substations and transformers, where it is then reduced to a lower voltage for distribution to homes, businesses and industrial customers. Our revenues for these services are based upon tariffs approved by the Federal Energy Regulatory Commission (FERC).
- **Distribution**—the delivery of electricity and gas to the retail customer's home, business or industrial facility. Our revenues for these services are based upon tariffs approved by the New Jersey Board of Public Utilities (BPU).

The commodity portion of our utility business' electric and gas sales is managed by basic generation service (BGS) and basic gas supply service (BGSS) suppliers. Pricing for those services is set by the BPU as a pass-through, resulting in no margin for our utility operations.

In addition, we continue to invest in and pursue opportunities in regulated clean energy, including EE, electric vehicle (EV) make-ready charging infrastructure, solar, energy storage and other potential investments.

We also earn margins through competitive services, such as appliance repair, in our service territory.

#### How PSE&G Operates

We are a transmission owner in PJM Interconnection, L.L.C. (PJM) which is an Independent System Operator (ISO) and Regional Transmission Organization (RTO) that operates the electric transmission system in the Mid-Atlantic Region, including



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New Jersey and the surrounding states. We provide distribution service to 2.3 million electric customers and 1.9 million gas customers in a service area that covers approximately 2,600 square miles running diagonally across New Jersey. We serve the most densely populated, commercialized and industrialized territory in New Jersey, including its six largest cities and approximately 300 suburban and rural communities.

**Transmission**

We use formula rates for our transmission cost of service and investments. Formula rates provide a method of rate recovery where the transmission owner annually determines its revenue requirements through a fixed formula that provides for a recovery of our operating costs and a return of and on our capital investments in the system, net of depreciation expense and deferred taxes (also known as rate base) using an approved return on equity (ROE) in developing the weighted average cost of capital. Under this formula, rates are put into effect in January of each year based upon our internal forecast of annual expenses and capital expenditures. Rates are subsequently trued up to reflect actual annual expenses and capital expenditures. Our current approved rates provide for a base ROE of 9.90% and a 50 basis point adder for our membership in PJM as an RTO. See Item 7. MD&A—Executive Overview of 2022 and Future Outlook.

We continue to invest in transmission projects as part of PJM’s FERC-approved transmission expansion planning process. These projects focus on reliability improvements and replacement of aging infrastructure with planned capital spending of \$1.8 billion for transmission in 2023-2025 as disclosed in Item 7. MD&A—Capital Requirements.

**Distribution**

PSE&G distributes electricity and natural gas to end users in our respective franchised service territories. In October 2018, the BPU issued an Order approving the settlement of our distribution base rate proceeding with new rates effective November 1, 2018. The Order provides for a distribution rate base of \$9.5 billion, a 9.60% ROE for our distribution business and a 54% equity component of our capitalization structure. The BPU has also approved a series of PSE&G infrastructure, EE, EV and renewable energy investment programs with cost recovery through various clause mechanisms. For a discussion of proposed and approved programs, see Investment Clause Programs below and Item 7. MD&A—Executive Overview of 2022 and Future Outlook. Our load requirements are split among residential, C&I customers, as described in the following table for 2022:

Customer Type	% of 2022 Sales	
	Electric	Gas
Commercial	57%	37%
Residential	34%	59%
Industrial	9%	4%
<b>Total</b>	<b>100%</b>	<b>100%</b>

Our customer base has modestly increased since 2018, with electric and gas loads changing as illustrated in the following table:

Electric and Gas Distribution Statistics				
	Number of Customers as of December 31, 2022	Historical Annual Customer Growth 2018-2022	Electric Sales and Firm Gas Sales as of December 31, 2022 (A)	Historical Annual Load Growth 2018-2022
Electric	2.3 Million	0.9 %	40,816 Gigawatt hours	—%
Gas	1.9 Million	0.7 %	2,567 Million Therms	1.4%

(A) Excludes sales from Gas rate classes that do not impact margin, specifically Contract, Non-Firm Transportation, Cogeneration Interruptible and Interruptible Services.

Effective June 1 and October 1, 2021 for electric and gas, respectively, as part of the BPU’s approval of the Clean Energy Future-Energy Efficiency (CEF-EE) filing, we implemented the Conservation Incentive Program (CIP) that trues up PSE&G’s margin to a baseline per customer from our 2018 base rate case for the majority of our customers. As a result, electric gas sales volumes and demands are no longer a driver of our margin and over 90% of our Electric and Gas Distribution margin will only vary based upon the number of customers.

### *Investment Clause Programs*

The following table lists our major approved investment clause programs that are in progress:

<b>Program</b>	<b>Investment</b>	<b>Approval Date</b>	<b>Term of Investment</b>	<b>Year Started</b>
Gas System Modernization Program II (GSMP II)	\$1.9 billion	2018	5 years	2019
Energy Strong II (ES II) Program	\$842 million	2019	4 years (A)	2019
CEF-EE	\$1 billion	2020	3 years (B)	2020
CEF-Energy Cloud (EC)	\$707 million	2021	4 years	2021
CEF-EV	\$166 million	2021	~6 years	2021
Infrastructure Advancement Program (IAP)	\$511 million	2022	4 years	2022

(A) The program has a small amount of trailing costs expected to be spent in year 5.

(B) Rolling three-year program with over 80% of spending within 5 years, with limited spending thereafter.

**GSMP II**—designed to replace approximately 875 miles of cast iron and unprotected steel mains in addition to other improvements to the gas system.

**ES II Program**—structured to harden, modernize and improve the resiliency of our electric and gas distribution systems.

To date, we launched three of the four components of our **CEF**:

- **EE**—designed to achieve EE targets required under New Jersey’s Clean Energy Act through a suite of ten programs for residential, C&I programs, including low-income, multi-family, small business and local government.
- **EC**—driven by the implementation of “smart meters,” and new software and product solutions to improve our processes and better manage the electric grid.
- **EV**—primarily relating to preparatory work to deliver infrastructure to the charging point for three programs: residential smart charging; Level-2 mixed use charging; and direct current (dc) fast charging. A remaining component of our program related to medium and heavy duty charging infrastructure is the subject of a stakeholder process that began in 2021 at the BPU. In December 2022, the BPU issued a revised straw proposal on medium and heavy duty vehicle support for public comment.

Our CEF-Energy Storage program is being held in abeyance pending future policy guidance from the BPU. Our proposed Energy Storage program is for a \$109 million investment that encompasses solar smoothing, whereby a battery energy solar system is used to neutralize fluctuations in solar output to facilitate its entry into the grid, distribution investment deferral, outage management, microgrids and peak reduction for municipal facilities.

**IAP**—fashioned to improve the reliability of the “last mile” of our electric distribution system and address aging substations and gas metering and regulation stations.

See Item 7. MD&A—Executive Overview of 2022 and Future Outlook for additional information.

#### *Solar Generation*

We have also undertaken solar initiatives at PSE&G, which primarily invest in utility-owned solar photovoltaic (PV) grid-connected solar systems installed on PSE&G property and third party sites with our economics driven by our net investment in solar, with a contemporaneous return on that rate base.

#### *Supply*

We make no margin on the default supply of electricity and gas since the actual costs are passed through to our customers.

All electric and gas customers in New Jersey have the ability to choose their electric energy and/or gas supplier. Pursuant to BPU requirements, we serve as the supplier of last resort for two types of electric and gas customers within our service territory that are not served by another supplier. The first type provides default supply service for smaller C&I customers and residential customers at seasonally-adjusted fixed prices for a three-year term (BGS-Residential Small Commercial Pricing (RSCP)). These rates change annually on June 1 and are based on the average price obtained at auctions in the current year and two prior years. The second type provides default supply for larger customers, with energy priced at hourly PJM real-time market prices for a contract term of 12 months (BGS-Commercial Industrial Energy Pricing).

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We procure the supply to meet our BGS obligations through auctions authorized by the BPU for New Jersey's total BGS requirement. These auctions take place annually in February. Once validated by the BPU, electricity prices for BGS service are set. Approximately one-third of PSE&G's total BGS-RSCP eligible load is auctioned each year for a three-year term. For information on current prices, see Item 8. Note 15. Commitments and Contingent Liabilities.

PSE&G procures the supply requirements of its default service BGSS gas customers through a full-requirements contract with PSEG Power. The BPU has approved a mechanism designed to recover all gas commodity costs related to BGSS for residential customers. BGSS filings are made annually by June 1 of each year, with a targeted effective date of provisional rates by October 1. PSE&G's revenues are matched with its costs using deferral accounting, with the goal of achieving a zero cumulative balance by September 30 of each year. In addition, we have the ability to put in place two self-implementing BGSS increases on December 1 and February 1 of up to 5% and also may reduce the BGSS rate at any time and/or provide bill credits. Any difference between rates charged under the BGSS contract and rates charged to our residential customers is deferred and collected or refunded through adjustments in future rates. C&I customers that do not select third-party suppliers are also supplied under the BGSS arrangement. These customers are charged a market-based price largely determined by prices for commodity futures contracts.

### **Markets and Market Pricing**

Historically, there has been significant volatility in commodity prices. A rising commodity price environment results in higher delivered electric and gas rates for customers, which could result in decreased demand for electricity and gas, increased regulatory pressures and greater working capital requirements as the collection of higher commodity costs from our customers may be deferred under our regulated rate structure. A declining commodity price, on the other hand, would be expected to have the opposite effect.

### **PSEG Power**

Through PSEG Power, we have sought to produce low-cost electricity by efficiently operating our nuclear generation assets while balancing fuel requirements and natural gas supply obligations through energy portfolio management. PSEG Power is a public utility within the meaning of the Federal Power Act (FPA) and the payments it receives and how it operates are subject to FERC regulation.

In June 2021, we completed the sale of PSEG Power's solar portfolio. In February 2022, we completed the sale of PSEG Power's 6,750 MW fossil generating portfolio. See Item 8. Note 4. Early Plant Retirements/Asset Dispositions and Impairments for further discussion.

### **Products and Services**

As a merchant generator, our revenue is derived primarily from energy, capacity and ancillary services to counterparties in the open markets. These products and services may be transacted through exchange markets or bilaterally.

PSEG Power also sells wholesale natural gas, primarily through a full-requirements BGSS contract with PSE&G to meet the needs of PSE&G's customers. In 2022, the BPU approved an extension of the long-term BGSS contract to March 31, 2027, and thereafter the contract remains in effect unless terminated by either party with a two-year notice.

Approximately 47% of PSE&G's peak daily gas requirements is provided from PSEG Power's firm gas transportation capacity. PSEG Power satisfies the remainder of PSE&G's requirements from storage contracts, contract peaking supply, liquefied natural gas and propane. Based upon the availability of natural gas beyond PSE&G's daily needs, PSEG Power sells gas to other customers and shares these proceeds with PSE&G's customers.

PSEG Power also has a 50% ownership interest in a 208 MW generation facility in Hawaii.

### **How PSEG Power's Nuclear Generation Operates**

As of December 31, 2022, PSEG Power had 3,766 MW of nuclear generation capacity. All of our nuclear generation capacity is located in the Mid-Atlantic region of the United States in one of the country's largest and most developed electricity markets.

### **Generation Dispatch**

Our nuclear generation is considered to be base load. Base load units run the most and typically are called to operate whenever they are available. Variable operating costs are low due to the combination of highly efficient operations and the use of relatively lower-cost fuels. Performance is generally measured by the unit's "capacity factor," or the ratio of the actual output to the theoretical maximum output.

In PJM, owners of power plants specify prices at which they are prepared to generate and sell energy based on the marginal cost of generating energy from each individual unit. Typically, the bid price of the last unit dispatched by PJM establishes the energy market-clearing price.

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This method of determining supply and pricing creates a situation where natural gas prices often have a major influence on the price that generators will receive for their output, especially in periods of relatively strong or weak demand. Therefore, changes in the price of natural gas will often translate into changes in the wholesale price of electricity and will continue to have a strong influence on the price of electricity in the markets in which we operate.

Market wholesale prices may vary by location resulting from congestion or other factors and do not necessarily reflect our contract prices. Forward prices are volatile and there can be no assurance that current forward prices will remain in effect or that we will be able to contract output at these forward prices.

### **Nuclear Fuel Supply**

We have long-term contracts for nuclear fuel. These contracts provide for:

- purchase of uranium (concentrates and uranium hexafluoride),
- conversion of uranium concentrates to uranium hexafluoride,
- enrichment of uranium hexafluoride, and
- fabrication of nuclear fuel assemblies.

We expect to be able to meet the fuel supply demands of our customers and our operations. However, the ability to maintain an adequate fuel supply could be affected by several factors not within our control, including changes in prices and demand, curtailments by suppliers, severe weather, environmental regulations, and other factors. For additional information and a discussion of risks, see Item 1A. Risk Factors, Item 7. MD&A—Executive Overview of 2022 and Future Outlook and Item 8. Note 15. Commitments and Contingent Liabilities.

### **Markets and Market Pricing**

All of PSEG Power's nuclear generation assets are located within the PJM RTO. Prior to the sale of its fossil generation assets, PSEG Power also had significant sales within the New York ISO (NYISO) and New England ISO (ISO-NE). The price of electricity varies by location in the PJM RTO.

Commodity prices, as well as the availability of our fleet of nuclear generation units to operate, have a considerable effect on our profitability. Over the long-term, the higher the forward energy prices are, the more attractive an environment exists for us to contract for the sale of our anticipated output. However, a rising price environment, such as what has been experienced in the past year, also increases the cost of replacement power; thereby placing us at greater risk should our generating units fail to operate effectively or otherwise become unavailable.

PSEG Power's Salem 1, Salem 2 and Hope Creek nuclear plants have been awarded Zero Emission Certificates (ZECs) by the BPU through May 2025. These nuclear plants are expected to receive ZEC revenue from the electric distribution companies (EDCs) in New Jersey, which is equivalent to approximately \$10 per megawatt hour (MWh) in payments to selected nuclear plants.

In addition to energy sales, we earn revenue from capacity payments for our generating assets. These payments are compensation for committing our generating units to PJM for dispatch at its discretion. Capacity payments reflect the value to PJM of assurance that there will be sufficient generating capacity available at all times to meet system reliability and energy requirements. See Item 7. MD&A—Executive Overview of 2022 and Future Outlook—Wholesale Power Market Design.

In PJM the market design for capacity payments provides for a structured, forward-looking, capacity pricing mechanism through the Reliability Pricing Model (RPM). For additional information regarding FERC actions related to the capacity market construct, see Regulatory Issues—Federal Regulation.

The prices to be received by generating units in PJM for capacity have been set through RPM base residual and incremental auctions and depend upon the zone in which the generating unit is located. The average capacity prices that PSEG expects to receive from the base residual and incremental auctions which have been completed are disclosed in Item 8. Note 3. Revenues. We have obtained price certainty for our PJM capacity through May 2024 through the RPM pricing mechanism. However, there is currently regulatory and timing uncertainty regarding the June 2024 through May 2025 planning year as discussed in Regulatory Issues—Federal Regulation.

In addition, the PJM capacity market imposes rigorous performance obligations and non-performance penalties on resources during times of system stress. These rules provide an opportunity for bonus payments or require the payment of penalties depending on whether a unit is available during a performance interval.

### **Hedging Strategy**

To mitigate volatility in our results, we seek to contract in advance for a significant portion of our anticipated electric output, capacity and fuel needs. We seek to sell a portion of our anticipated lower-cost generation over a multi-year forward horizon,

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normally over a period of two to three years. We believe this hedging strategy increases the stability of earnings.

Generally, we seek to hedge our output through sales at PJM West or other nodes corresponding to our generation portfolio. Sales in PJM generally reflect block energy sales at the liquid PJM Western Hub or other basis locations when available and other transactions that seek to secure price certainty for our energy output. Although we enter into these hedges to provide price certainty for a large portion of our anticipated generation, there is variability in both our actual output as well as in the effectiveness of our hedges. Our hedging practices help to manage some of the volatility of the merchant power business. While this limits our exposure to decreasing prices, our ability to realize benefits from rising market prices, as experienced in the past two years, is also limited. Therefore, our realized prices in 2022 were significantly lower than market pricing due to forward sales contracts executed in prior years for delivery in 2022. For this same reason, expected realized prices in forward periods will also be limited to when hedges were transacted and not based upon forward market prices.

In August 2022, the Inflation Reduction Act (IRA) was signed into law expanding incentives promoting carbon-free generation. The enacted legislation established the production tax credit (PTC) for electricity generation using nuclear energy set to begin in 2024 through 2032. PSEG Power's Salem 1, Salem 2, Hope Creek, Peach Bottom 2 and Peach Bottom 3 nuclear plants will each benefit from the PTC. The expected PTC rate is up to \$15/MWh subject to adjustment based upon a facility's gross receipts. The PTC rate and the gross receipts cap are subject to annual inflation adjustments. The U.S. Treasury is expected to clarify the definition of gross receipts prior to when the eligibility period begins in 2024. We are continuing to analyze the impact of the IRA on our nuclear units, including additional future guidance from the U.S. Treasury, potential impacts on hedging strategies and the impact of PTCs on expected ZEC payments.

Our fuel strategy is to maintain certain levels of uranium in inventory and to make periodic purchases to support such levels. Our nuclear fuel commitments cover approximately 100% of our estimated uranium, enrichment and fabrication requirements through 2024 and a significant portion through 2025.

More than 90% of PSEG Power's expected gross margin in 2023 from the nuclear generation assets relates to our energy hedging strategy, our expected revenues from the capacity market mechanisms described above, ZEC revenues and certain gas operations and ancillary service payments such as reactive power.

The contracted percentages of our anticipated base load generation output for the next two years are as follows:

<b>Nuclear Generation</b>	<b>2023</b>	<b>2024</b>
Generation Sales	95%-100%	55%-60%

## Energy Holdings

Energy Holdings maintains our legacy portfolio of domestic lease investments and offshore wind interests. See Item 8. Note 9. Long-Term Investments and Note 10. Financing Receivables for additional information.

### Offshore Wind

PSEG holds a 25% equity interest in Ørsted North America Inc.'s (Ørsted) Ocean Wind 1 project which is currently in development. In January 2023, PSEG agreed to sell to Ørsted its 25% equity interest in Ocean Wind 1. The sale is not contingent upon Ørsted electing to proceed to the construction phase of the project. The sale is contingent upon finalization of a purchase and sale agreement with Ørsted and other closing conditions as well as any potential state regulatory approval that may be required to close on the transaction.

Additionally, PSEG and Ørsted each owns 50% of Garden State Offshore Energy LLC (GSOE) which holds rights to an offshore wind lease area just south of New Jersey. PSEG has decided not to exercise its option to purchase 50% of Ørsted's Skipjack projects in Maryland (one of which would utilize a portion of the GSOE lease area) or pursue an ownership interest in Ørsted's Ocean Wind 2 offshore wind project or other offshore wind generation projects. PSEG is evaluating its options for the potential sale of its interest in GSOE. See Item 8. Note 5. Variable Interest Entities for additional information.

## LIPA Operations Services Agreement

In accordance with a twelve year Operations Services Agreement (OSA) entered into by PSEG LI and LIPA, PSEG LI commenced operating LIPA's electric T&D system in Long Island, New York on January 1, 2014. Following the effects of Tropical Storm Isaias, LIPA and PSEG LI agreed to an amended OSA which became effective in 2022. The OSA contract term continues through 2025, but can be extended for five years subject to a mutual agreement of the parties. Under the OSA, PSEG LI acts as LIPA's agent in performing many of its obligations and in return (a) receives reimbursement for pass-through operating expenditures, (b) receives a fixed management fee and (c) is eligible to receive an incentive fee contingent on meeting established performance metrics. Further, since January 2015, PSEG Power provides fuel procurement and power management

services to LIPA under separate agreements. It is uncertain whether the OSA and the separate agreements will be renewed on terms acceptable to us or at all.

## **COMPETITIVE ENVIRONMENT**

### **PSE&G**

Our T&D business is not affected when customers choose alternate electric or gas suppliers since we earn our return on our net investment in rate base to provide T&D service, not by supplying the commodity. Based on our transmission formula rate and the CIP program for electric and gas distribution, we are also minimally impacted by changes in customers' usage. Our growth is driven by (i) our investment program to deliver energy more reliably by modernizing our electric transmission and electric and gas distribution system and (ii) investing in programs that help deliver cleaner energy, including our EE programs to help customers use less energy and investment programs to build EV infrastructure and solar generation. There may also be opportunities to expand into related clean energy areas, such as renewable natural gas, hydrogen, energy storage, additional solar and renewables, and broader EE investments, though utility participation in these areas is subject to regulatory approval and market design, which continues to evolve. That growth can be affected by customer cost pressures which could result from higher commodity costs, higher supply costs to support subsidized renewable generation, higher operating costs, higher tax rates, macro-economic conditions including inflation, and other factors. While there is not a substantial amount of net metered generation in our territory, a growing amount, and/or other changes in customer usage behavior could lead to a smaller base of customer usage to recover our costs, resulting in higher rates overall. Conversely, an increase in EV adoption and other factors could lead to an increase in system usage, require incremental investments to meet higher peak demands and result in a larger customer usage base. There is also an expected shift toward greater electrification and less gas usage in the coming decades, with several jurisdictions setting targets to move new construction to be exclusively electric. While current costs and relative emission savings would limit any substantial change in the near term, technological advances for heat pumps, actions by certain jurisdictions in our service territory and other factors could accelerate these potential changes, resulting in a slowing in the growth of our gas distribution and an increase in the growth of our electric T&D business. Our CIP reduces the impact on our distribution revenues from changes in sales volumes and demand for most customers. The CIP, which is calculated annually, provides for a true-up of our current period revenue as compared to revenue thresholds established in our most recent distribution base rate proceeding. Recovery under the CIP is subject to certain limitations, including an actual versus allowed ROE test and ceilings on customer rate increases.

Changes previously ordered by FERC and implemented by PJM and other ISOs to eliminate contractual provisions that previously provided us a "right of first refusal" to construct new transmission projects in our service territory, could result in third-party construction of transmission lines in our area in the future and also allow us to seek opportunities to build in other service territories. While there has been minimal impact so far, these rules continue to evolve so both the extent of the risk within our service territory and the opportunities for our transmission business elsewhere remain difficult to assess.

### **PSEG Power**

Various market participants compete with us and one another in transacting in the wholesale energy markets and entering into bilateral contracts. Our competitors include (i) merchant generators, (ii) domestic and multi-national utility generators, (iii) energy marketers and retailers, (iv) private equity firms, banks and other financial entities, (v) fuel supply companies, and (vi) affiliates of other industrial companies, and companies that promote and aggregate demand side management (DSM) and other EE efforts that could reduce load.

New additions of lower-cost or more efficient generation capacity, as well as subsidized generation capacity, or technological advances such as distributed generation and microgrids could make our plants less economic in the future. Such capacity could impact market prices and our competitiveness.

Adverse changes in energy industry law, policies and regulation could have significant economic, environmental and reliability consequences. For example, PJM has a capacity market that has been approved by FERC. FERC regulates this market and continues to examine whether this market design is working optimally. PJM itself often changes capacity market rules, which can cause uncertainty for market participants. Various forums are considering how the competitive market framework can incorporate or be reconciled with state public policies that support particular resources, resource attributes or emerging technologies, whether generators are being sufficiently compensated in the capacity market and whether subsidized resources may be adversely affecting capacity market prices. For information regarding recent actions by FERC relating to capacity market design, see the discussion in Regulatory Issues—Federal Regulation.

Environmental issues could also impact our competitiveness, including requirements regarding capital investments at our nuclear stations, such as cooling towers, could lead to a material adverse effect, while other actions to further regulate carbon dioxide emissions could better position our nuclear plants.

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While it is our expectation that continued efforts may be undertaken by the federal and state governments to preserve the existing base nuclear generating plants, we still believe that pressures from renewable resources will continue to increase.

## HUMAN CAPITAL MANAGEMENT

Our human capital management strategy is integrated with our overall environmental, social, and governance (ESG) goals and is designed to support our ability to attract, develop, and retain a high performing diverse workforce and to continue building on our culture of inclusion to sustain our business, both today and in the future. We strive for a fair, equitable and transparent approach to human capital management.

The Organization and Compensation Committee of the PSEG Board of Directors is responsible for oversight of PSEG’s human capital management practices and is updated regularly on matters related to diversity, equity and inclusion (DEI), workforce development and succession planning.

The following charts present our total employee population indicating percentages of employees that are represented by a collective bargaining unit, are women, or are racially and/or ethnically diverse:



In 2022, of our external hires, including temporary employees, 23% were women and 40% were racially and/or ethnically diverse. PSEG’s voluntary attrition rate for the year was 6.5% (3.3% retirements and 3.2% resignations). The average employee tenure is 14 years.

### Health, Safety and Well-Being

We emphasize the priority of protecting the health, safety and well-being of our employees, contractors and the communities that we serve. We demonstrate this by providing support to employees so that everyone is empowered and encouraged to question, stop and correct any unsafe act or condition. In the event that there is a safety issue, our employees take responsibility for the accurate, honest, and timely reporting of all incidents and injuries. To hold ourselves accountable, we have annual performance goals related to compliance with health and safety policies, practices and procedures.

### Culture, Diversity, Equity and Inclusion

We aspire for a culture of belonging and equity, where diversity is celebrated and inclusion is the norm. Since publishing our first DEI report in 2021, we have continued to build on our Inclusion for All strategy. Our DEI program combines individual and site-specific efforts with leadership development and training activities.

Our 12 Employee Business Resource Groups support key business goals and priorities; help build meaningful connections through community outreach and volunteerism, mentorship and professional development; elevate diverse perspectives; and create spaces for employees to learn from each other.

To measure the effectiveness of our DEI and workplace culture efforts, we solicit feedback from employees through focus groups, listening sessions and employee experience surveys. In 2022, we saw improvements in many areas, including comfort speaking up, belonging, and manager relationship, with an overall engagement score of 82%.

Our initiatives to advance DEI includes doing business with certified minority, women, veteran & LGBT-owned businesses and maintaining a supplier diversity process that is integrated into our company culture. PSEG achieved its goal to spend 30% with diverse suppliers by 2023 in 2021, two years ahead of schedule.

### Talent, Attraction and Development

Our talent acquisition strategy is focused on hiring the workforce necessary to serve our customers and meet our business objectives. As part of these efforts, we work to attract employees who reflect broad dimensions of diversity, including race, gender, disability, generation, education, and other traits and characteristics that make each person who they are.

Our employees grow through a variety of training and development opportunities offered to individual contributors, front line supervisors, managers and leaders. We invest in technical and operational training for our craft and field workers to support safe and reliable operations. We utilize data-driven workforce planning and succession processes to prepare for the future of work.

## **Total Rewards**

In addition to our competitive pay, incentives, and health, welfare and retirement programs, our Total Rewards offerings consider the safety and overall well-being of our employees. We offer an array of programs designed to support physical, emotional, and financial wellness.

## **Labor Relations**

We are proud of the partnership we have with union leadership across our six unions and the employees they represent in our workforce. We believe our strong relationship with our unions allowed for negotiation of permanent agreements that support PSEG's flexible work model and other mid-term agreements that support strategic objectives and business goals.

## **REGULATORY ISSUES**

In the ordinary course of our business, we are subject to regulation by, and are party to various claims and regulatory proceedings with FERC, the BPU, the Commodity Futures Trading Commission (CFTC) and various state and federal environmental regulators, among others. For information regarding material matters, other than those discussed below, see Item 8. Note 15. Commitments and Contingent Liabilities. In addition, information regarding PSE&G's specific filings pending before the BPU is discussed in Item 8. Note 7. Regulatory Assets and Liabilities.

### **Federal Regulation**

FERC is an independent federal agency that regulates the transmission of electric energy and natural gas in interstate commerce and the sale of electric energy and natural gas at wholesale pursuant to the FPA and the Natural Gas Act. PSE&G and certain operating subsidiaries of PSEG Power are public utilities as defined by the FPA. FERC has extensive oversight over such public utilities. FERC approval is usually required when a public utility seeks to: sell or acquire an asset that is regulated by FERC (such as a transmission line or a generating station); collect costs from customers associated with a new transmission facility; charge a rate for wholesale sales under a contract or tariff; or engage in certain mergers and internal corporate reorganizations.

FERC also regulates RTOs/ISOs, such as PJM, and their regional transmission planning processes as well as their energy and capacity markets.

#### ***Transmission Regulation***

FERC has exclusive jurisdiction to establish the rates and terms and conditions of service for interstate transmission. We currently have FERC-approved formula rates in effect to recover the costs of our transmission facilities. Under this formula, rates are put into effect in January of each year based upon our internal forecast of annual expenses and capital expenditures. Rates are subsequently tried up to reflect actual annual expenses and capital expenditures.

***Transmission Rate Proceedings and ROE***—From time to time, various matters are pending before FERC relating to, among other things, transmission planning, reliability standards and transmission rates and returns, including incentives. Depending on their outcome, any of these matters could materially impact our results of operations and financial condition.

In a rulemaking proceeding issued in 2021, FERC has proposed to eliminate the existing 50 basis point adder for RTO membership, which is currently available to PSE&G and other transmission owners in RTOs. Elimination of the RTO adder for RTO membership would reduce PSE&G's annual Net Income and annual cash inflows by approximately \$30 million-\$40 million.

***Transmission Planning Proceedings***—During 2022, FERC issued several rulemakings and notices that examine current transmission planning proceedings to determine whether the rules as currently implemented will facilitate the integration of renewable resources onto the grid and whether there is sufficient oversight over transmission costs to protect customers. Among other issues, FERC is considering whether transmission competitive solicitations are working as intended, whether interconnection queue rules for new generation should dramatically change and whether some type of transmission monitor construct to oversee costs should be imposed. FERC's consideration of many of these issues is still in its early stages.

#### ***Regulation of Wholesale Sales—Generation/Market Issues/Market Power***

Under FERC regulations, public utilities that wish to sell power at market rates must receive FERC authorization (market-based rate (MBR) authority) to sell power in interstate commerce before making power sales. They can sell power at cost-based rates or apply to FERC for authority to make MBR sales. For a requesting company to receive MBR authority, FERC must first determine that the requesting company lacks market power in the relevant markets and/or that market power in the relevant markets is sufficiently mitigated. Certain PSEG companies are public utilities and currently have MBR authority. These companies, which include PSEG Energy Resources & Trading LLC, PSEG Nuclear LLC and PSE&G must file at FERC every three years to update their market power analyses. At the end of 2022, PSEG filed such a market power update at FERC, which remains pending.



### ***Energy Clearing Prices***

Energy clearing prices in the markets in which we operate are generally based on bids submitted by generating units. Under FERC-approved market rules, bids are subject to price caps and mitigation rules applicable to certain generation units. FERC rules also govern the overall design of these markets. At present, all units, including those owned by PSEG, within a delivery zone receive a clearing price based on the bid of the marginal unit (i.e. the last unit that must be dispatched to serve the needs of load) which can vary by location.

### ***Capacity Market Issues***

PJM operates a capacity market that has been approved by FERC. FERC regulates the capacity market and continues to examine whether the market design is working optimally. Various forums are considering how the competitive market framework can incorporate or be reconciled with state public policies that support particular resources, resource and environmental attributes or emerging technologies, whether generators are being sufficiently compensated in the capacity market and whether subsidized resources may be adversely affecting capacity market prices. We cannot predict what action, if any, FERC might take with regard to capacity market design.

The RPM is the locational installed capacity market design for the PJM region, including a forward auction for installed capacity. Under the RPM, generators located in constrained areas within PJM are paid more for their capacity as an incentive to ensure adequate supply where generation capacity is most needed. The mechanics of the RPM in PJM continue to evolve and be refined in stakeholder proceedings and FERC proceedings in which we are active.

In July 2021, PJM submitted to FERC a proposal to scale back the PJM Minimum Offer Price Rule (MOPR) to accommodate state public policy programs that do not attempt to set the price of capacity. Under the PJM proposal, PSEG Power's New Jersey nuclear plants that receive ZEC payments are not subject to the MOPR. In September 2021, FERC issued a notice that it was not able to act on PJM's proposed changes to the MOPR because of a split among the Commissioners on the lawfulness of PJM's proposal. Therefore, PJM's rules became automatically effective as of September 29, 2021 and they were applied to the June 2022 base residual auction.

In November 2021, a group of generators challenged these MOPR rules in the Court of Appeals for the Third Circuit on the grounds that FERC's inaction was unlawful. PSEG intervened in the proceeding in support of the MOPR rules. Oral argument on the appeal was held in January 2023. We cannot predict the outcome of this proceeding.

In another order related to the auction, FERC found that the current rules related to the Market Seller Offer Cap were unjust and unreasonable and ultimately eliminated the default offer cap. In its place, FERC adopted a unit-specific approach to reviewing certain capacity market offers. These new rules resulted in lower capacity prices for other market participants, including PSEG, and therefore, lower revenues for PSEG in the June 2022 base residual auction since market offers for many resource types need to be approved by the Independent Market Monitor and PJM.

PJM's most recent base residual auction was held at the beginning of December 2022. However, in mid-December, PJM communicated to all market participants that it is not announcing the results of this auction while it waits for FERC to act on emergent filings it has made at FERC proposing to change how the reliability requirement for a specific capacity market deliverability area will be calculated effective December 24, 2022. PJM's filings at FERC, and its related decision to postpone the announcement of base residual auction results, creates uncertainty for market participants, including PSEG. We cannot predict the outcome of these developments at this time.

### ***Compliance***

***Reliability Standards***—Congress has required FERC to put in place, through the North American Electric Reliability Corporation (NERC), national and regional reliability standards to ensure the security and reliability of the U.S. electric transmission and generation system (grid) and to prevent major system blackouts. As a result, under NERC's physical security standard, approved by FERC in 2015, utilities are required to identify critical substations as well as develop threat assessment plans to be reviewed by independent third parties. In our case, the third-party is PJM. As part of these plans, utilities can decide or be required to build additional redundancy into their systems. Additionally, under NERC's supply chain standard approved by FERC in 2018, PSEG has developed security controls for supply chain management associated with the procurement of industrial control system hardware, software, and services related to grid operations. These standards implement the Critical Infrastructure Protection standards that are already in place and that establish physical and cybersecurity protections for critical systems. We have documented procedures and implemented new processes to comply with these standards.

The NERC continues to examine revising criteria for low-impact cyber systems, which could result in expanding the Critical Infrastructure Protection standards to a larger set of applicable cyber assets.

### ***CFTC***

In accordance with the Dodd-Frank Wall Street Reform and Consumer Protection Act, the SEC and the CFTC continue to implement a regulatory framework for swaps and security-based swaps. The rules are intended to reduce systemic risk, increase

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transparency and promote market integrity within the financial system by providing for the registration and comprehensive regulation of swap dealers and by imposing recordkeeping, data reporting, margin and clearing requirements with respect to swaps. We are currently subject to recordkeeping and data reporting requirements applicable to commercial end users. The CFTC finalized new rules establishing federal position limits for trading in certain commodities, such as natural gas. Entities such as PSEG began complying with the rules on January 1, 2022.

**Nuclear**

***Nuclear Regulatory Commission (NRC)***

Our operation of nuclear generating facilities is subject to comprehensive regulation by the NRC, a federal agency established to regulate nuclear activities to ensure the protection of public health and safety, as well as the environment. Such regulation involves testing, evaluation and modification of all aspects of plant operation in light of NRC safety, security, cybersecurity, and environmental requirements. Continuous demonstration to the NRC that plant operations meet requirements is necessary.

The NRC has the ultimate authority to determine whether any U.S. nuclear generating unit may operate. The NRC conducts ongoing reviews of nuclear industry operations experience and may issue or revise regulatory requirements. We are unable to predict the final outcome of these reviews or the cost of any actions we would need to take to comply with any new regulations, including possible modifications to the Salem, Hope Creek and Peach Bottom facilities, but such costs could be material.

The current operating licenses of our nuclear facilities expire in the years shown in the following table:

<b>Unit</b>	<b>Year</b>
Salem Unit 1	2036
Salem Unit 2	2040
Hope Creek	2046
Peach Bottom Unit 2 (A)	2033
Peach Bottom Unit 3 (A)	2034

- (A) Depreciation Expense and the Asset Retirement Obligation assume these units will operate through 2053 and 2054, respectively, given our expectation that previously approved operating license expiration dates will be restored by the NRC. See Item 8. Note 13. Asset Retirement Obligations (AROs) for additional information.

**State Regulation**

Our principal state regulator is the BPU, which oversees electric and natural gas distribution companies in New Jersey. We are also subject to various other states' regulations due to our operations in those states.

Our New Jersey utility operations are subject to comprehensive regulation by the BPU including, among other matters, regulation of retail electric and gas distribution rates and service, the issuance and sale of certain types of securities and compliance matters.

In addition to base rates, we recover certain costs or earn on certain investments pursuant to mechanisms known as adjustment clauses. These clauses permit the flow-through of costs to, or the recovery of investments from, customers related to specific programs, outside the context of base rate proceedings. Recovery of these costs or investments is subject to BPU approval for which we make periodic filings. Delays in the pass-through of costs or recovery of investments under these mechanisms could result in significant changes in PSE&G's cash flow. PSE&G's participation in solar, EV and EE programs is also regulated by the BPU, as the terms and conditions of these programs are approved by the BPU. BPU regulation can also have a direct or indirect impact on our power generation business as it relates to energy supply agreements and energy policy in New Jersey.

***New Jersey Energy Master Plan (EMP)***—In January 2020, the State of New Jersey released its EMP. While the EMP does not have the force of law and does not impose any obligations on utilities, it outlines current expectations regarding the State's role in the use, management, and development of energy. The EMP recognizes the goals of New Jersey's Clean Energy Act of 2018 (the Clean Energy Act) to achieve, by 2026, annual reductions of electric and gas consumption of at least 2% and 0.75%, respectively, of the average of the prior three years of retail sales. The annual reductions were subsequently adjusted to 2.15% for electric and 1.10% for gas by 2027 in the BPU's EE framework approved in June 2020. The EMP outlines several strategies, including statewide EE programs; expansion of renewable generation (solar and offshore wind), energy storage and other carbon-free technologies; preservation of existing nuclear generation; electrification of the transportation sector; and reduced reliance on natural gas. We cannot predict the impact on our business or results of operations from the EMP or any laws, rules or regulations promulgated as a result thereof, particularly as they may relate to PSEG Power's nuclear generating stations and PSE&G's electric transmission and gas distribution assets. In January 2023, the New Jersey governor's office announced the commencement of planning for the development of a new EMP for release in 2024. The 2024 EMP will update

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and expand upon the existing EMP and consider recent state and federal policies and how federal funding can provide additional support for advancement of critical clean energy policies.

**Gas Capacity Review**—In September 2019, the BPU formally opened a stakeholder proceeding to explore gas capacity procurement service to all New Jersey natural gas customers. The BPU retained a consultant and in June 2022 accepted the consultant’s key finding that, through 2030, New Jersey’s firm gas capacity can meet firm demand under normal design day conditions. The only potential gas supply shortfall was found during extreme weather (i.e. a winter day that could be expected to occur only once in 90 years) and/or a “perfect storm,” which occurs when there is an outage on a transcontinental pipeline during a design day. The BPU noted that its consultant’s analysis supports the argument against the need for additional interstate pipeline capacity and also supports the BPU’s aggressive policy approach to reduce the State’s overall reliance on fossil fuels, and achieve the Governor’s goal of 100% clean energy by 2050.

**BGS Process**—In July 2022, the State’s EDCs, including PSE&G, filed their annual proposal for the conduct of the February 2023 BGS auction covering energy years 2024 through 2026. In November 2022, the BPU issued its decision to approve the joint EDCs’ proposals regarding the BGS auction process. In addition to addressing procedural issues for conducting the annual BGS auction, the BPU’s November 2022 order addressed EV charging supply rate issues and required that the EDCs must (i) continue to collect EV charging data and coordinate with BPU Staff in developing a BGS rate solution for commercial dc fast charging EV stations, and must include chargers and submit a proposal regarding the rate design in the June 1, 2023 joint EDC BGS filing; and (ii) implement by June 1, 2023 a BGS rate solution for residential EV charging customers similar to distribution rate off-peak charging solutions put in place in some of the EDCs’ (including PSE&G’s) light duty EV incentive programs.

**EV Activity**—Consistent with the policy set forth in New Jersey’s EMP, the BPU has supported electrification of the transportation sector. EDCs in New Jersey, including PSE&G, are making investments, approved by the BPU for recovery in rates, initially focused on light duty vehicles, such as preparatory work to deliver infrastructure to the EV charging point. In June 2021, the BPU issued an initial straw proposal for the establishment of an EV infrastructure ecosystem for medium and heavy duty EVs in New Jersey, and conducted a series of stakeholder meetings to discuss that ecosystem. In December 2022, the BPU issued a revised straw proposal for public comment. Although we cannot predict the outcome of the stakeholder process, we anticipate that this effort will result in opportunities for EDCs to target infrastructure investments for the medium and heavy duty EV market.

**Grid Modernization**—In October 2021, the BPU commenced a stakeholder proceeding to develop and implement a systemic Grid Modernization plan in accordance with strategies outlined in the New Jersey EMP. The BPU retained a consultant that gathered detailed and comprehensive information from the State’s EDCs, including PSE&G, regarding resource issues and policy changes needed to interconnect the clean energy capacity required under state policy. In June 2022, the BPU’s consultant issued a draft report with its findings and recommendations to update the BPU’s interconnection regulations and processes. We cannot predict the impact on our business or results of operations from this Grid Modernization plan or any laws, rules or regulations promulgated as a result thereof, particularly as they may relate to PSE&G’s electric distribution assets.

**New Jersey Solar Initiatives**—Pursuant to the Clean Energy Act, the BPU was required to undertake several initiatives in connection with New Jersey’s solar energy market.

In 2019, the BPU established a “Community Solar Energy Pilot Program,” permitting customers to participate in solar energy projects remotely located from their properties, and allowing for bill credits related to that participation. Still pending with the BPU are certain issues, including minor modifications to the community solar pilot program, discussions regarding the potential implementation of consolidated billing for the benefit of project developers and participants, and development of a cost recovery mechanism for the EDCs.

The Clean Energy Act required the BPU to close the then-existing Solar Renewable Energy Certificate (SREC) program to new applications at the earlier of June 1, 2021 or the date at which 5.1% of New Jersey retail electric sales were derived from solar. The 5.1% threshold was attained and the SREC market was closed to new applications on April 30, 2020, with limited exceptions related to the impact of COVID-19 on projects under development. Solar projects that failed to achieve commercial operation before April 30, 2020 may be entitled to receive transition renewable energy certificates (TREC) for each MWh of solar production. The New Jersey EDCs, including PSE&G, are required to purchase, using the services of a TREC administrator, TREC from solar projects at rates set by the BPU.

In July 2021, the BPU issued an order formally establishing the Successor Solar Incentive (SuSI) Program, heavily drawing upon the predecessor TREC program, to serve as the permanent program for providing solar incentives to qualified solar electric generation facilities. The program provides for incentive payments at prices established in the BPU’s July 2021 order in the form of SREC-IIs for each MWh generated by net-metered projects of 5 MW or less, and an annual competitive solicitation, the Competitive Solar Incentive (CSI) program, to establish SREC-II prices applicable to grid-supply projects and net-metered projects in excess of 5 MW. The State’s EDCs have retained an administrator to acquire all of the SREC-IIs received each year by eligible solar generation projects. Each EDC, in turn, may recover from its customers the reasonable and prudent costs for

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SREC-II procurement and SREC-II administrator fees, based on its proportionate share of retail electric sales, and other costs reasonably and prudently incurred in the disposition of its SuSI obligations. Pursuant to an order issued by the BPU in December 2022, bids for the CSI program opened on February 1, 2023 and close on March 31, 2023.

### **Cybersecurity**

In an effort to reduce the likelihood and severity of cybersecurity incidents, we have established a comprehensive cybersecurity program designed to protect and preserve the confidentiality, integrity and availability of our technology systems. The Board of Directors, its Industrial Operations Committee (IOC) and Audit Committee, and senior management receive frequent reports on such topics as personnel and resources to monitor and address cybersecurity threats, technological advances in cybersecurity protection, rapidly evolving cybersecurity threats that may affect us and our industry, cybersecurity incident response and applicable cybersecurity laws, regulations and standards, as well as collaboration mechanisms with intelligence and enforcement agencies and industry groups, to assure timely threat awareness and response coordination.

Our cybersecurity program is focused on the following areas:

- **Governance**
  - **Board Oversight**—The Board’s IOC holds the primary responsibility, as enumerated in its charter, of overseeing PSEG’s cybersecurity program. Cybersecurity is a standing agenda item at each IOC meeting, which includes discussion on operational technology cyber risk, a cybersecurity update from the Chief Information Security Officer (CISO), and review of a corporate cybersecurity scorecard. In addition, the IOC meets with the CISO in executive session at each meeting with no other members of management present.
  - **Cybersecurity Council**—which is comprised of members of senior management, meets regularly to discuss emerging cybersecurity issues and maintenance of the cybersecurity scorecard to measure performance of key risk indicators. The Cybersecurity Council ensures that senior management, and ultimately, the Board, is given the information required to exercise proper oversight over cybersecurity risks and that escalation procedures are followed.
  - The Senior Vice President, Chief Information and Digital Officer has the overall responsibility for cybersecurity.
  - Documented corporate practice to ensure delineated cybersecurity incidents, or potential incidents, are escalated promptly to senior management.
- **Training and Awareness**—Providing annual cybersecurity training for all personnel with network access, as well as additional education for personnel with access to industrial control systems or customer information systems; and conducting phishing exercises with progressive consequences for failures. Employees also receive periodic cybersecurity awareness messages and each October are invited to presentations throughout the month from internal and external cyber experts covering diverse cyber topics.
- **Technical Safeguards**—Managing controls to protect our network perimeter, internal Information Technology (IT) and Operational Technology (OT) environments, such as internal and external firewalls, network intrusion detection and prevention, penetration testing, vulnerability assessments, threat intelligence, anti-malware and access controls.
- **Vendor Management**—Maintaining a risk-based vendor management program, including the development of robust security contractual provisions.
- **Incident Response Plans**—Maintaining and updating a cyber incident response plan that addresses the life cycle of a cybersecurity incident from a technical perspective (i.e., detection, response, and recovery), as well as data breach response (with a focus on external communication and legal compliance); and conducting regular table top exercises to test plan effectiveness (both internally and through external exercises).
- **Mobile Security**—Maintaining controls to prevent loss of data through mobile device channels.

PSEG also maintains physical security measures to protect its OT systems, consistent with a defense in depth and risk-tiered approach. Such physical security measures may include access control systems, video surveillance, around-the-clock command center monitoring, and physical barriers (such as fencing, walls, and bollards). Additional features of PSEG’s physical security program include threat intelligence, insider threat mitigation, background checks, a threat level advisory system, a business interruption management model, and active coordination with federal, state, and local law enforcement officials. See Regulatory Issues—Federal Regulation for a discussion of Critical Infrastructure Protection standards that the NERC has promulgated that mitigate risk associated with both cybersecurity and physical security of PSEG’s critical facilities.

In addition, we are subject to federal and state requirements designed to further protect against cybersecurity threats to critical infrastructure, as discussed below. For a discussion of the risks associated with cybersecurity threats, see Item 1A. Risk Factors.

**Federal**—NERC, at the direction of FERC, has implemented national and regional reliability standards to ensure the reliability and security of the grid and to prevent major system blackouts. NERC Critical Infrastructure Protection standards establish

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cybersecurity and physical security protections for critical systems and facilities. These standards are also designed to develop coordination, threat sharing and interaction between utilities and various government agencies regarding potential cyber and physical threats against the nation's electric grid.

The Transportation Security Administration (TSA), an agency of the U.S. Department of Homeland Security (DHS), has issued three security directives since May 2021 designed to mitigate cybersecurity threats to natural gas pipelines. The first security directive requires pipeline owners/operators to (i) report actual and potential cybersecurity incidents to the Cybersecurity and Infrastructure Security Agency, a DHS agency; (ii) designate a "Cybersecurity Coordinator;" (iii) review their current cybersecurity practices; and (iv) identify any gaps and related remediation measures to address cyber-related risks. The second security directive requires pipeline owners/operators to (i) implement specific mitigation measures to protect against cyber threats; (ii) implement a cybersecurity contingency and recovery plan; and (iii) conduct a cybersecurity architecture design review. The third security directive requires pipeline owners/operators to (i) establish and implement a TSA-approved Cybersecurity Implementation Plan; (ii) develop and maintain a Cybersecurity Incident Response Plan to reduce the risk of operational disruption; and (iii) establish a Cybersecurity Assessment Program, and submit an annual plan to the TSA that describes how the entity is assessing the effectiveness of its cybersecurity measures.

The NERC Critical Infrastructure Protection standards do not apply to nuclear facilities which are instead governed by the NRC for purposes of physical and cyber security. NRC has a number of risk-informed, performance-based security programs in place to effectively protect U.S. commercial nuclear facilities. The NRC has existing requirements, effective processes, and the expertise to regulate and inspect cybersecurity to ensure the federal requirements are met.

NRC requires operating nuclear power plant licensee and license applicants to ensure that digital computer and communication systems associated with a nuclear power plant's safety, security, and emergency preparedness functions are protected from cyberattacks. As a result, computer systems at operating power plants that monitor and control safety systems and help the reactor operate are isolated from external communications. Security systems that provide safeguards of the facility are also isolated from external communications, including the Internet.

NRC's Office of Nuclear Security and Incident Response established the Cyber Security Branch (CSB) to strengthen internal governance of the agency's regulatory activities. The CSB plans, coordinates, and manages agency activities related to cybersecurity for NRC applicants and licensees, such as security programs' development and policy enhancements to prevent malevolent cyber acts against NRC-licensed facilities. The CSB's cybersecurity-related responsibilities include developing rules and guidance, reviewing licensing actions, developing policy enhancements, and overseeing NRC-licensed facilities.

NRC regularly monitors the threats associated with cybersecurity, including potential threats against NRC-licensed facilities. Within the CSB there is a cyber assessment team that assesses real-world cyber events at NRC-licensed facilities. The team evaluates whether an identified threat could impact licensed facilities and makes recommendations for NRC actions and communications to the licensees. Furthermore, the NRC has established liaison relationships with the intelligence and law enforcement communities to include the National Counterterrorism Center, the DHS's U.S. Computer Emergency Response Team, and the Federal Bureau of Investigation.

**State**—The BPU requires utilities, including PSE&G, to, among other things, implement a cybersecurity program that defines and implements organizational accountabilities and responsibilities for cyber risk management activities, and establishes policies, plans, processes and procedures for identifying and mitigating cyber risk to critical systems. Additional requirements of this order include, but are not limited to (i) annually inventorying critical utility systems; (ii) annually assessing risks to critical utility systems; (iii) implementing controls to mitigate cyber risks to critical utility systems; (iv) monitoring log files of critical utility systems; (v) reporting cyber incidents to the BPU; and (vi) establishing a cybersecurity incident response plan and conducting biennial exercises to test the plan. In addition, New York's Stop Hacks and Improve Electronic Data Security (SHIELD) Act, which became effective in March 2020, requires businesses that own or license computerized data that includes New York State residents' private information to implement reasonable safeguards to protect that information.

## **ENVIRONMENTAL MATTERS**

We are subject to federal, state and local laws and regulations with regard to environmental matters. Our associated obligations change as legislatures and regulators pass new laws and regulations and amend existing ones. Therefore, it is difficult to project future costs of compliance and their impact on competition. Capital costs of complying with known pollution control requirements are included in our estimate of construction expenditures in Item 7. MD&A—Capital Requirements. The costs of compliance associated with any new requirements that may be imposed by future regulations are not known, but may be material.

For additional information related to environmental matters, including proceedings not discussed below, as well as anticipated expenditures for installation of compliance technology, hazardous substance liabilities and fuel and waste disposal costs, see Item 1A. Risk Factors and Item 8. Note 15. Commitments and Contingent Liabilities.

### **Air Pollution Control**

Our facilities are subject to federal, state and local regulation that requires controls of emissions from sources of air pollution and imposes recordkeeping, reporting and permit requirements.

**Environmental Justice (EJ)**—The New Jersey Department of Environmental Protection (NJDEP) has issued an administrative order requiring an EJ review of certain environmental permit applications pending the promulgation of final EJ regulations that will provide additional guidance. The impacts of the NJDEP’s actions are being evaluated for both PSE&G and PSEG Power and the outcome cannot be determined at this time.

**New Jersey Protecting Against Climate Threats (NJ PACT)**—This NJDEP regulatory reform is expected to result in changes to existing air and land use regulations in response to anticipated impacts of climate change. It has published proposed changes pertaining to inland flood protection which are intended to protect new development from fluvial flooding. The final regulation is anticipated in 2023.

We continue to assess the potential impact of the NJ PACT, which could have cost implications for business operations, including the construction of new facilities or upgrades to existing utility infrastructure. Such expenditures could materially affect the continued economic viability and/or cost to construct one or more such facilities.

### **Water Pollution Control**

The Federal Water Pollution Control Act prohibits the discharge of pollutants from point sources to water, except pursuant to a duly issued permit. These permits must generally be renewed every five years. Applicable regulations also impose obligations on facility operators like PSEG Power to install certain technology to treat their discharges to ensure discharges meet certain water quality requirements.

The Environmental Protection Agency’s (EPA) Clean Water Act (CWA) Section 316(b) rule establishes requirements for the regulation of cooling water intakes at existing power plants, such as Salem.

### **Hazardous Substance Liability**

PSEG’s operations involve substances and byproducts classified by environmental regulations as hazardous. These regulations impose handling, storage and disposal requirements for hazardous materials. They also impose liability for damages to the environment, including cash penalties.

**Site Remediation**—Federal and state environmental laws and regulations require the cleanup of discharged hazardous substances. They authorize the EPA, the NJDEP and private parties to commence lawsuits to compel clean-ups or seek reimbursement for such remediation. The clean-ups can be more complicated and costly when the hazardous substances are in or under a body of water. Clean-up obligations may be imposed regardless of the absence of fault, contractual agreements between parties, or the legality of activities at the time of discharge.

**Natural Resource Damages**—Federal and state environmental laws and regulations authorize damage assessments against persons who have caused an injury to natural resources through the discharge of a hazardous substance. The NJDEP requires persons conducting remediation to address such injuries through restoration or damage assessments.

### **Fuel and Waste Disposal**

**Nuclear Fuel Disposal**—The federal government has entered into contracts with the operators of nuclear power plants for transportation and ultimate disposal of spent nuclear fuel. Under the Nuclear Waste Policy Act of 1982 (NWPA), nuclear plant owners are required to contribute to a Nuclear Waste Fund to pay for this service. Since May 2014, the nuclear waste fee rate has been zero. No assurances can be given that this fee will not be increased in the future. The NWPA allows spent nuclear fuel generated in any reactor to be stored in reactor facility storage pools or in Independent Spent Fuel Storage Installations located at reactors or away from reactor sites.

We have on-site storage facilities that are expected to satisfy the storage needs of Salem 1, Salem 2, Hope Creek, Peach Bottom 2 and Peach Bottom 3 through the end of their operating licenses.

**Low-Level Radioactive Waste**—As a by-product of their operations, nuclear generation units produce low-level radioactive waste. Such waste includes paper, plastics, protective clothing, water purification materials and other materials. These waste materials are accumulated on site and disposed of at licensed permanent disposal facilities. New Jersey, Connecticut and South Carolina have reached an agreement that gives New Jersey nuclear generators continued access to a waste disposal facility which is owned by South Carolina. We believe that this agreement will provide for adequate low-level radioactive waste disposal for Salem and Hope Creek through the end of their current licenses including full decommissioning, although no assurances can be given. Low-Level Radioactive Waste is periodically being shipped to the South Carolina waste disposal facility from Salem and Hope Creek. Additionally, there are on-site storage facilities for Salem, Hope Creek and Peach Bottom, which we believe have the capacity for at least five years of temporary storage for each facility.

**INFORMATION ABOUT OUR EXECUTIVE OFFICERS (PSEG)**

<b>Name</b>	<b>Age as of December 31, 2022</b>	<b>Office</b>	<b>Effective Date First Elected to Present Position</b>
<b>Ralph A. LaRossa</b>	59	President and Chief Executive Officer (CEO) -PSEG (A) Chair of the Board (COB) and CEO - PSEG Power Chief Operating Officer (COO) - PSEG COB and CEO - PSE&G COB and CEO - PSEG Power COB and CEO - Energy Holdings COB and President - Services President and COO - PSEG Power President and COO - PSE&G COB - PSEG Long Island LLC	September 2022 to present September 2022 to present January 2020 to August 2022 September 2022 to present September 2022 to present September 2022 to present September 2022 to present October 2017 to August 2022 October 2006 to October 2017 December 2020 to August 2022
<b>Eric Carr</b>	48	President and COO - PSEG Power President and Chief Nuclear Officer - PSEG Nuclear LLC Vice President (VP) Hope Creek Generating Station - PSEG Nuclear LLC	September 2022 to present July 2019 to present September 2016 to July 2019
<b>Daniel J. Cregg</b>	59	Executive Vice President (EVP) and Chief Financial Officer (CFO) - PSEG EVP and CFO - PSE&G EVP and CFO - PSEG Power	October 2015 to present October 2015 to present October 2015 to present
<b>Kim C. Hanemann</b>	59	President and COO - PSE&G Senior Vice President (SVP) and COO - PSE&G SVP - Electric Transmission and Distribution - PSE&G SVP - Delivery, Projects and Construction - PSE&G VP - Delivery, Projects and Construction - PSE&G	June 2021 to present January 2020 to June 2021 September 2018 to January 2020 July 2014 to September 2018 December 2010 to July 2014
<b>Tamara L. Linde</b>	58	EVP and General Counsel - PSEG EVP and General Counsel - PSE&G EVP and General Counsel - PSEG Power	July 2014 to present July 2014 to present July 2014 to present
<b>Sheila J. Rostiac</b>	52	SVP - Human Resources, Chief Human Resources and Chief Diversity Officer - Services SVP - Human Resources and Chief Human Resources Officer - Services VP - Talent, Development and Diversity	January 2020 to present September 2019 to January 2020 October 2012 to September 2019
<b>Richard T. Thigpen</b>	62	SVP - Corporate Citizenship - Services VP - State Government Affairs - Services	July 2018 to present March 2007 to July 2018
<b>Rose M. Chernick</b>	59	VP and Controller - PSEG VP and Controller - PSE&G VP and Controller - PSEG Power VP-Finance, Corporate Strategy and Planning - Services VP-Finance, Holdings and Corporate Strategy and Planning - Services	March 2019 to present March 2019 to present March 2019 to present November 2017 to March 2019 October 2015 to November 2017

(A) Effective January 1, 2023, in accordance with a management transition plan, Ralph A. LaRossa became COB of PSEG.

## ITEM 1A. RISK FACTORS

The following factors should be considered when reviewing our business. These factors could have a material adverse impact on our business, prospects, financial position, results of operations or cash flows and could cause results to differ materially from those expressed elsewhere in this report.

### GENERAL OPERATIONAL AND FINANCIAL RISKS

#### **Inability to successfully develop, obtain regulatory approval for, or construct T&D, and other generation projects could adversely impact our businesses.**

Our business plan calls for extensive investment in capital improvements and additions, including the construction of T&D facilities, modernizing existing infrastructure pursuant to investment programs that provide for current recovery in rates, and our CEF programs, which include providing incentives for customers to install high-efficiency equipment at their premises, constructing EV infrastructure, and implementing our smart meter program. Currently, we have several significant projects underway or being contemplated.

The successful construction and development of these projects will depend, in part, on our ability to:

- obtain necessary governmental and regulatory approvals;
- obtain environmental permits and approvals;
- obtain community support for such projects to avoid delays in the receipt of permits and approvals from regulatory authorities;
- obtain customer support for investments made at their premises;
- obtain property/land rights in property-constrained areas and at a reasonable cost;
- complete such projects within budgets and on commercially reasonable terms and conditions;
- complete supporting IT upgrades;
- obtain any necessary debt financing on acceptable terms and/or necessary governmental financial incentives;
- ensure that contracting parties, including suppliers, perform under their contracts in a timely and cost effective manner; and
- recover the related costs through rates.

Any delays, cost escalations or otherwise unsuccessful construction and development could materially affect our financial position, results of operations and cash flows.

Macroeconomic considerations, including inflationary levels, gas and electric supply prices that are passed through to customers and other pressures could factor into our regulators' assessment in approving the size, duration and timing of cost recovery of certain of these programs. Further, certain negative public and political views on natural gas could result in diminishing political support for utility investments in gas infrastructure.

In addition, the successful operation of new facilities or transmission or distribution projects is subject to risks relating to supply interruptions; labor availability, work stoppages and labor disputes; weather interferences; unforeseen engineering and environmental problems, including those related to climate change; opposition from local communities, and the other risks described herein.

Any of these risks could cause our return on these investments to be lower than expected or they could cause these facilities to operate below intended targets, which could adversely impact our financial condition and results of operations through lost revenue and/or increased expenses.

**We are subject to physical, financial and transition risks related to climate change, including potentially increased legislative and regulatory burdens and changing customer preferences, and we may be subject to lawsuits, all of which could impact our businesses and results of operations, as well as our ability to implement our clean energy strategy.**

Climate change may increasingly drive change to existing or additional legislation and regulation that may impact our business and shape our customers' energy preference and sustainability goals. While the CIP protects margin variances against changes in customer usage of gas and electricity, customer demand for natural gas could decrease as a result of changing customer preferences favoring electrification and advanced technologies that offer energy efficient options. Electric usage could also be impacted by greater adoption of EVs, installation of distributed energy resources, such as behind the meter solar, installation of



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more energy efficient equipment, flexible load and/or energy storage, and other advances in technology. Further, climate change may adversely impact the economy and reduced economic and consumer activity in our service areas could lower demand for electricity and gas we deliver. Any one or all of these factors could impact the need to invest in our electric and gas T&D systems and, therefore, the rate of growth of our company.

Severe weather or acts of nature, including hurricanes, winter storms, earthquakes, floods and other natural disasters can stress systems, disrupt operation of our facilities and cause service outages, production delays and property damage that require incurring additional expenses. These and other physical changes could result in changes in customer demand, increased costs associated with repairing and maintaining generation facilities and T&D systems, resulting in increased maintenance and capital costs (and potential increased financing needs), increased regulatory oversight, and lower customer satisfaction. Where recovery of costs to restore service and repair damaged equipment and facilities is available, any determination by the regulator not to permit timely and full recovery of the costs incurred could have a material adverse effect on our businesses, financial condition, results of operations and prospects.

To the extent financial markets view climate change and greenhouse gas (GHG) emissions as a financial risk, our ability to access capital markets could be negatively affected or cause us to receive less than favorable terms and conditions.

Climate change-related political action and state and federal policy goals, including but not limited to those related to energy efficient targets, solar targets, energy storage targets, encouragement of electrification through EV adoption, policies to restrict the use of natural gas in new or existing homes and businesses, or encourage electrification of end use equipment currently fueled by natural gas, and the associated legislative and regulatory responses, may create financial risk as our operations may be subject to additional regulation at either the state or federal level in the future. Increased regulation of GHG emissions could impose significant additional costs on our electric and natural gas operations, and our suppliers. Developing and implementing plans for compliance with GHG emissions reduction, clean/renewable energy requirements, or for achieving voluntary climate commitments can lead to additional capital, personnel, and Operation and Maintenance (O&M) expenditures and could significantly affect the economic position of existing operations and proposed projects. If our regulators do not allow us to recover all or a part of the cost of capital investment or the O&M costs incurred to comply increasingly rigorous regulatory mandates, it could have a material adverse effect on our results of operations, financial condition or cash flows. On the other hand, in the event that the political, policy, regulatory or legislative support for clean energy projects declines, the benefits or feasibility of certain investments we may have made in such projects, including those in the development stage, may be reduced.

We may be subject to climate change lawsuits that may seek injunctive relief, monetary compensation, and punitive damages, including but not limited to, for liabilities for personal injuries and property damage caused by climate change. An adverse outcome could require substantial capital expenditures and possibly require payment of substantial penalties or damages. Defense costs associated with such litigation can also be significant and could affect results of operations, financial condition or cash flows if such costs are not recovered through regulated rates.

Further, our business is subject to policy, regulatory, technology and economic uncertainties and contingencies, including regulatory approvals required for various of our clean energy initiatives, many of which are beyond our control and may affect our ability to implement our clean energy strategy and initiatives and achieve our goal of net zero GHG emissions by 2030, or other GHG emissions reduction or climate-related goals that we may set from time to time, in a cost-effective manner or at all.

**We may be adversely affected by asset and equipment failures, critical operating technology or business system failures, accidents, natural disasters, severe weather events, acts of war or terrorism or other acts of violence, sabotage, physical attacks or security breaches, cyberattacks, or other incidents, including pandemics such as the coronavirus pandemic, that impact our ability to provide safe and reliable service to our customers and remain competitive and could result in substantial financial losses.**

The success of our businesses is dependent on our ability to continue providing safe and reliable service to our customers while minimizing service disruptions. We are exposed to the risk of asset and equipment failures, gas explosions, accidents, natural disasters, severe weather events, acts of war or terrorism or other acts of violence, including active shooter situations (such as the shooting incident involving an employee and a former employee which occurred in February 2023 outside of a PSE&G field facility in Somerset County, New Jersey), sabotage, physical attacks or security breaches (as have been experienced recently by certain other utilities), cyberattacks or other incidents, which could result in damage to or destruction of our substations or other facilities or infrastructure, or damage to persons or property and to electric and gas supply interruptions. Further, a major failure of availability or performance of a critical operating technology or business system, and inadequate preparation or execution of business continuity or disaster recovery plans for the loss of one or several critical systems, could result in extended disruption to operations or business processes, damage to systems and/or loss of data. We have historically benefited from access to mutual aid, a voluntary and reciprocal arrangement with other utilities that provides access to a trained and flexible labor force which has helped to reduce outage restoration times during extreme weather events. There is no

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guarantee that we will have continued access to mutual aid as the utility industry consolidates and the frequency of severe weather events rises.

We are also exposed to the risk of pandemics, such as the coronavirus pandemic, which could result in service disruptions and delay or otherwise impair our ability to timely provide service to our customers or complete our investment projects.

These events could result in increased political, economic, financial and insurance market instability and volatility in power and fuel markets, which could materially adversely affect our business and results of operations, including our ability to access capital on terms and conditions acceptable to us.

In addition, the effects of climate change will have increased the physical risks to our facilities and operations resulting from such climate hazards as more severe weather events (extreme wind, rainfall and flooding), such as experienced from Superstorm Sandy and Tropical Storms Isaias and Ida, sea level rise, and extreme heat.

Any of the issues described above, if experienced at our facilities, or by others in our industry, could adversely impact our revenues; increase costs to repair and maintain our systems; subject us to potential litigation and/or damage claims, fines or penalties; and increase the level of oversight of our utility and generation operations and infrastructure through investigations or through the imposition of additional regulatory or legislative requirements. Such actions could adversely affect our costs, competitiveness and future investments, which could be material to our financial position, results of operations and cash flow. For our T&D business, the cost of storm restoration efforts may not be fully recoverable through the regulatory process. In addition, the inability to restore power to our customers on a timely basis could result in negative publicity and materially damage our reputation.

### **Any inability to recover the carrying amount of our long-lived assets could result in future impairment charges which could have a material adverse impact on our financial condition and results of operations.**

Long-lived assets represent approximately 74% and 82% of the total assets of PSEG and PSE&G, respectively, as of December 31, 2022. Management evaluates long-lived assets for impairment whenever events or changes in circumstances, such as significant adverse changes in regulation, including a disallowance of certain costs, business climate or market conditions, including prolonged periods of adverse commodity and capacity prices, could potentially indicate an asset's or group of assets' carrying amount may not be recoverable. Significant reductions in our expected revenues or cash flows for an extended period of time resulting from such events could result in future asset impairment charges, which could have a material adverse impact on our financial condition and results of operations.

### **Disruptions or cost increases in our supply chain, including labor shortages, could materially impact our business.**

The supply chain of goods and services is currently being negatively impacted by several factors, including manufacturing labor shortages, domestic and international shipping constraints, increases in demand, and shortages of raw materials and specialty components. As a result, we are seeing price increases in some areas and delivery delays of certain goods. These factors have increased our costs and have the potential to impact our operations. We cannot currently estimate the potential impact of continued supply chain disruptions but they could materially impact our business and results of operations.

### **Inability to maintain sufficient liquidity in the amounts and at the times needed or access sufficient capital at reasonable rates or on commercially reasonable terms could adversely impact our business.**

Funding for our investments in capital improvement and additions, scheduled payments of principal and interest on our existing indebtedness and the extension and refinancing of such indebtedness has been provided primarily by internally-generated cash flow and external debt financings. We have significant capital requirements and depend on our ability to generate cash in the future from our operations and continued access to capital and bank markets to efficiently fund our cash flow needs. Our ability to generate cash flow is dependent upon, among other things, industry conditions and general economic, financial, competitive, legislative, regulatory and other factors. The ability to arrange financing and to refinance existing debt and the costs of such financing or refinancing depend on numerous factors including, among other things:

- general economic and capital market conditions, including but not limited to, prevailing interest rates;
- the availability of credit from banks and other financial institutions;
- tax, regulatory and securities law developments;
- for PSE&G, our ability to obtain necessary regulatory approvals for the incurrence of additional indebtedness;
- investor confidence in us and our industry;
- our current level of indebtedness and compliance with covenants in our debt agreements;
- the success of current projects and the quality of new projects;
- our current and future capital structure;

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- our financial performance and the continued reliable operation of our business; and
- maintenance of our investment grade credit ratings.

Market disruptions, such as economic downturns experienced in the U.S. and abroad, the bankruptcy of an unrelated energy company or a systemically important financial institution, changes in market prices for electricity and gas, and actual or threatened acts of war or terrorist attacks, may increase our cost of borrowing or adversely affect our ability to access capital. As a result, no assurance can be given that we will be successful in obtaining financing for projects and investments, extending or refinancing maturing debt or meeting our other cash flow needs on acceptable terms or at all, which could materially adversely impact our financial position, results of operations and future growth.

During periods of rising energy prices, hedged positions could be out-of-the-money, increasing PSEG Power's collateral requirements. In addition, if PSEG Power were to lose its investment grade credit rating from S&P or Moody's, it would be required under certain agreements to provide a significant amount of additional collateral in the form of letters of credit or cash, which would have a material adverse effect on our liquidity and cash flows.

### **Cybersecurity attacks or intrusions or other disruptions to our IT, operational or other systems could adversely impact our businesses.**

Cybersecurity threats to the energy market infrastructure are increasing in sophistication, magnitude and frequency, particularly since the coronavirus pandemic and the resulting shift to virtual operations began. Because of the inherent vulnerability of infrastructure and technology and operational systems to disability or failure due to hacking, viruses, malicious or destructive code, phishing and other social engineering attacks, denial of service attacks, ransomware, acts of war or terrorism, or other cybersecurity incidents, we face increased risk of cyberattack. We rely on information and operational technology systems and network infrastructure to operate our generation and T&D systems. We also store sensitive data, intellectual property and proprietary or personally identifiable information regarding our business, infrastructure, employees, shareholders, customers and vendors on our IT systems and conduct power marketing and hedging activities. In addition, the operation of our business is dependent upon the IT systems of third parties, including our vendors, regulators, RTOs and ISOs, among others. Our and third-party operational and IT systems and products may be vulnerable to cybersecurity attacks involving fraud, malice or oversight on the part of our employees, other insiders or third parties, whether domestic or foreign sources. A successful cybersecurity attack may result in unauthorized use of our systems to cause disruptions at a third party. Cybersecurity risks to our operations include:

- disruption of the operation of our assets, the fuel supply chain, the power grid and gas T&D,
- theft of confidential company, employee, shareholder, vendor or customer information, and critical energy infrastructure information, which may cause us to be in breach of certain covenants and contractual or legal obligations and pose risk to our system and our customers,
- general business system and process interruption or compromise, including preventing us from servicing our customers, collecting revenues or the ability to record, process and/or report financial information correctly, and
- breaches of vendors' infrastructures where our confidential information is stored.

We and our third-party vendors have been and will continue to be subject to cybersecurity attacks, including but not limited to ransomware, denial of service, business email compromises, and malware attacks. While there has been no material impact on our business or operations from these attacks to date, we may be unable to prevent all such attacks in the future from having such a material impact as such attacks continue to increase in sophistication and frequency. If a significant cybersecurity event or breach occurs within our company or with one of our material vendors, we could be exposed to significant loss of revenue, material repair costs to intellectual and physical property, significant fines and penalties if determined that we were in non-compliance with existing laws and regulations, significant litigation costs, increased costs to finance our businesses, negative publicity, damage to our reputation and loss of confidence from our customers, regulators, investors, vendors and employees. The misappropriation, corruption or loss of personally identifiable information and other confidential data from us or one of our vendors could lead to significant breach notification expenses, mitigation expenses such as credit monitoring, and legal and regulatory fines and penalties. Moreover, new or updated security laws or regulations or unforeseen threat sources could require changes in current measures taken by us and our business operations, which could result in increased costs and adversely affect our financial statements. Similarly, a significant cybersecurity event or breach experienced by a competitor, regulatory authority, RTO, ISO, or vendor could also materially impact our business and results of operations via enhanced legal and regulatory requirements. The amount and scope of insurance we maintain against losses that result from cybersecurity incidents may not be sufficient to cover losses or adequately compensate for resulting business disruptions. For a discussion of state and federal cybersecurity regulatory requirements and information regarding our cybersecurity program, see Item 1. Business—Regulatory Issues—Cybersecurity.

**A material shift away from natural gas toward increased electrification and a reduction in the use of natural gas as a result of economic decarbonization measures could adversely impact our business.**

Technological advancements enabling customer choice and state climate policy supporting decarbonization are driving transformative change in the electric power industry. New Jersey utilities are experiencing increased usage by customers and third parties of distributed energy resources, such as on-site solar generation, energy storage, fuel cells, EE, and demand response technologies. These developments will require modernization of the electric distribution grid to, among other things, accommodate two-way flows of electricity, increase the grid's capacity, and interconnect distributed energy resources. In order to enable the New Jersey clean energy economy, sustained investments are required in grid modernization, renewable integration projects, EE programs, energy storage options, EV infrastructure and state infrastructure modernization. If these changes progressed in the near-term, our business model and our ability to execute on our strategy could be materially impacted. Various jurisdictions outside of New Jersey have enacted prohibitions or restrictions on the use and consumption of natural gas that will reduce the use of natural gas. If New Jersey were to enact similar prohibitions or restrictions, a reduction in the use of natural gas could lead to a reduction in the gas customer base, higher customer rates for those customers who remain, and a diminished need for gas infrastructure, which could potentially cause substantial investment value of gas assets to be stranded and removed from our rate base, resulting in a reduction in associated rate recovery. Our inability to recover through rates our investments into the natural gas system, while still ensuring gas system safety and reliability, could materially affect our financial condition, results of operations, liquidity, and cash flows. Further, these industry changes, costs associated with complying with new regulatory developments and initiatives and with technological advancements could materially affect our financial condition, results of operations, liquidity, and cash flows.

**Our financial condition and results of operations could be adversely affected by the coronavirus pandemic.**

In response to the global coronavirus pandemic, we have implemented a comprehensive set of actions to help our customers, communities and employees, and will continue to closely monitor developments and adjust as needed to ensure reliable service while protecting the safety and health of our workforce and the communities we serve.

The pandemic's potential impact will depend on a number of factors outside of our control, including the duration and severity of the outbreak as well as third-party actions, including governmental requirements. Pursuant to a BPU order, we have deferred a significant amount of costs for future recovery. Any inability to obtain timely recovery of these costs could have a material adverse effect on our business. Further, a number of expanded customer protection measures have been implemented by the State and the BPU, such as an extended moratorium on shut-offs of residential service for non-payment, and more extensive processes to be taken prior to any shut-off of service. These actions have negatively affected customer payment patterns, leading to an elevated aged accounts receivable balance. Our ability to manage our accounts receivable balance, recover its carrying costs and any associated bad debts could have a material impact on our business. We currently cannot estimate the potential impact the coronavirus pandemic may have on our business, results of operations, financial condition, liquidity and cash flows. The impacts of the pandemic and associated government and regulatory responses, including the long-term impact they may have on the economy, which could extend beyond the duration of the pandemic, could affect, among other things:

- PSE&G's residential and C&I customer payment patterns, in part as residential customer non-safety related service disconnections for non-payment were temporarily suspended for an extended period, resulting in adverse impacts to accounts receivable and bad debt expense;
- the recovery of incremental costs incurred related to the pandemic, including higher bad debts; and
- the availability of materials and supplies due to supply chain interruptions.

**Failure to attract and retain a qualified workforce could have an adverse effect on our business.**

Certain events such as an aging workforce looking to retire without an opportunity to transfer knowledge to a successor, inadequate workforce plans and replacements, lack of skill set to meet current and evolving business needs, a culture that does not foster inclusion leading to turnover, a workforce strike resulting from a failure to successfully negotiate new collective bargaining agreements with our labor unions on mutually acceptable terms or at all, unavailability of resources due to the coronavirus pandemic, acts of violence in the workplace and a workforce that is not engaged may lead to operating challenges and increased costs. The challenges include loss of knowledge and a lengthy time period associated with skill development, increased turnover, costs for contractors to replace employees, poor productivity, and a lack of innovation. Specialized knowledge and experience are required of employees across PSEG and its affiliates. There is competition for these skilled employees. Failure to hire and adequately train and retain employees, including the transfer of significant historical knowledge and expertise to new employees, may adversely affect our results of operations, financial position and cash flows.

**Increases in the costs of equipment and materials, fuel, services and labor could adversely affect our operating results.**

Inflation has recently increased across the economy and is impacting portions of our business. Higher costs from suppliers of equipment and materials, fuel, services and labor costs to attract and retain our workforce, could lead to increased costs, which

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could reduce our earnings. Also, seeking recovery of higher costs in future rate cases could pressure customer rates, resulting in a potentially adverse outcome of such proceedings, or in other proceedings, including the proposal of certain investment programs or other proceedings that impact customer rates.

### **Covenants in our debt instruments and credit agreements may adversely affect our business.**

PSEG's and PSE&G's fixed income debt instruments contain events of default customary for financings of their type, including cross accelerations to other debt of that entity. PSEG's, PSE&G's and PSEG Power's bank credit agreements contain events of default customary for financings of their type, including cross defaults and accelerations and, in the case of PSEG's and PSEG Power's bank credit agreements, certain change of control events. PSEG's PSE&G's and PSEG Power's bank credit agreements, contain certain limitations on the incurrence of liens and PSEG Power's bank credit agreements also contain limitations on the incurrence of certain subsidiary debt. The PSEG Power term loan agreement contains a change-of-control clause, which includes PSEG Power ceasing to be a wholly owned subsidiary of PSEG. Our ability to comply with these covenants may be affected by events beyond our control. If we fail to comply with the covenants and are unable to obtain a waiver or amendment, or a default exists and is continuing under such debt, the lenders or the holders or trustee of such debt, as applicable, could give notice and declare outstanding borrowings and other obligations under such debt immediately due and payable. We may not be able to obtain waivers, amendments or alternative financing, or if obtainable, it could be on terms that are not acceptable to us. Any of these events could adversely impact our financial condition, results of operations and cash flows.

### **Financial market performance directly affects the asset values of our defined benefit plan trust funds and Nuclear Decommissioning Trust (NDT) Fund. Market performance and other factors could decrease the value of trust assets and could result in the need for significant additional funding.**

The performance of the financial markets will affect the value of the assets that are held in trust to satisfy our future obligations under our defined benefit plans and to decommission our nuclear generating plants. A decline in the market value of the defined benefit plan trust funds could increase our pension plan funding requirements and result in increased pension costs in future years. The market value of our defined benefit plan trusts could be negatively impacted by adverse financial market conditions that reduce the return on trust assets, decreased interest rates used to measure the required minimum funding levels, and future government regulation. Additional funding requirements for our defined benefit plans could be caused by changes in required or voluntary contributions, an increase in the number of employees becoming eligible to retire and changes in life expectancy assumptions. A decline in the market value of our NDT Fund could increase PSEG Power's funding requirements to decommission its nuclear plants. An increase in projected costs could also lead to additional funding requirements for our decommissioning trust. Failure to manage adequately our investments in our defined benefit plan trusts and NDT Fund could result in the need for us to make significant cash contributions in the future to maintain our funding at sufficient levels, which would negatively impact our results of operations, cash flows and financial position.

## **RISKS RELATED TO OUR GENERATION BUSINESS**

### **Fluctuations in the wholesale power and natural gas markets could negatively affect our financial condition, results of operations and cash flows.**

In the competitive markets where we operate, natural gas prices have a major impact on the price that generators receive for their output and participants are not guaranteed any specific rate of return on their capital investments. Recently, the natural gas market and, therefore, energy markets have become more volatile due to higher domestic demand, increased natural gas exports and impacts from the global liquefied natural gas market, among other things. The price of natural gas is the primary driver of energy pricing in PJM. As such, the volatility in the natural gas market and potential lower natural gas prices may impact our results of operations and cash flows. Lower natural gas prices result in lower electricity prices, which reduce our margins where our nuclear generation costs may not have declined similarly.

Changes in prevailing market prices could have a material adverse effect on our financial condition and results of operations. Factors that may cause market price fluctuations include:

- increases and decreases in generation capacity, including the addition of new supplies of power as a result of the development of new power plants, expansion of existing power plants or additional transmission capacity;
- severe weather conditions;
- power supply disruptions, including power plant outages and transmission disruptions;
- climate change and weather conditions, particularly unusually mild summers or warm winters in our market areas;
- seasonal fluctuations;
- economic and political conditions that could negatively impact the demand for power;
- changes in the supply of, and demand for, energy commodities;

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- development of new fuels or new technologies for the production or storage of power;
- incurring penalties due to generation performance failure when called on by PJM during emergency situations;
- federal and state regulations and actions of PJM and changing PJM market rules; and
- federal and state power, market and environmental regulation and legislation, including financial incentives for new renewable energy generation capacity that could lead to oversupply and price suppression.

Our generation business frequently involves the establishment of forward sale positions in the wholesale energy markets on long-term and short-term bases. To the extent that we have produced or purchased energy in excess of our contracted obligations, a reduction in market prices could reduce profitability. Conversely, to the extent that we have contracted obligations in excess of energy we have produced or purchased, an increase in market prices could reduce profitability. If the strategy we utilize to hedge our exposure to these various risks or if our internal policies and procedures designed to monitor the exposure to these various risks are not effective, we could incur material losses. Our market positions can also be adversely affected by the level of volatility in the energy markets that, in turn, depends on various factors, including weather in various geographical areas, short-term supply and demand imbalances, customer migration and pricing differentials at various geographic locations. These risks cannot be predicted with certainty.

Increases in market prices also affect our ability to hedge generation output and fuel requirements as the obligation to post margin increases with increasing prices.

In addition, the volatility and potential for higher natural gas prices may have a material impact on collateral requirements related to the forward value of our open futures contracts. Higher collateral requirements reduce available short-term liquidity and increase working capital costs.

### **We may be unable to obtain an adequate fuel supply in the future.**

We obtain substantially all of our nuclear fuel supply from third parties pursuant to arrangements that vary in term, pricing structure, firmness and delivery flexibility. Our fuel supply arrangements must be coordinated with storage services and other contracts to ensure that the nuclear fuel is delivered to our power plants at the times, in the quantities and otherwise in a manner that meets the needs of our generation portfolio and our customers. We must also comply with laws and regulations governing the transportation of such fuels.

We are exposed to increases in the price of nuclear fuel, and it is possible that sufficient supplies to operate our generating facilities profitably may not continue to be available to us. Significant changes in the price of nuclear fuel could affect our future results and impact our liquidity needs. In addition, we face risks with regard to the delivery to, and the use of nuclear fuel by, our power plants including the following:

- creditworthiness of third-party suppliers, defaults by third-party suppliers on supply obligations and our ability to replace supplies currently under contract may delay or prevent timely delivery;
- market liquidity for physical supplies of such fuels or availability of related services (e.g. fabrication) may be insufficient or available only at prices that are not acceptable to us;
- variation in the quality of such fuels may adversely affect our power plant operations;
- domestic and foreign legislative or regulatory actions or requirements may increase the cost of such fuels; and
- the loss of critical infrastructure, acts of war or terrorist attacks (including cybersecurity breaches) or catastrophic events such as fires, earthquakes, explosions, floods, severe storms or other similar occurrences could impede the delivery of such fuels.

Our nuclear units have a diversified portfolio of contracts and inventory that provide a substantial portion of our fuel raw material needs over the next several years. However, each of our nuclear units has contracted with a single fuel fabrication services provider, and transitioning to an alternative provider could take an extended period of time. Certain of our other generation facilities also require fuel or other services that may only be available from one or a limited number of suppliers. The availability and price of this fuel may vary due to supplier financial or operational disruptions, transportation disruptions, force majeure and other factors, including market conditions. At times, such fuel may not be available at any price, or we may not be able to transport it to our facilities on a timely basis. In this case, we may not be able to run those facilities even if it would be profitable. If we had sold forward the power from such a facility, we could be required to supply or purchase power from alternate sources, perhaps at a loss. This could have a material adverse impact on our business, the financial results of specific plants and on our results of operations.

Although our fuel contract portfolio provides a degree of hedging against these market risks, such hedging may not be effective and future increases in our fuel costs could materially and adversely affect our liquidity, financial condition and results of

operations. While our generation runs on nuclear fuel, an increase in the cost of any particular fuel ultimately used by other generation facilities could impact our results of operations.

**The introduction or expansion of technologies related to energy generation, distribution and consumption and changes in customer usage patterns could adversely impact us.**

Federal and state incentives for the development and production of renewable sources of power have facilitated the penetration of competing technologies, such as wind, solar, and commercial-sized power storage. Additionally, the development of DSM and EE programs can impact demand requirements for some of our markets at certain times during the year. The continued development of subsidized, competing on-site power generation and storage technologies and significant development of DSM and EE programs could alter the market and price structure for power generation and could result in a reduction in load requirements, negatively impacting our financial condition, results of operations and cash flows. Technological advances driven by federal laws mandating new levels of EE in end-use electric devices or other improvements in, or applications of, technology could also lead to declines in per capita energy consumption.

Advances in distributed generation technologies, such as fuel cells, micro turbines, micro grids, windmills and net-metered solar installations, may reduce the cost of alternative methods of producing electricity to a level that is competitive with that of most central station electric production. Large customers, such as universities and hospitals, continue to explore potential micro grid installation. Certain states, such as Massachusetts and California, are also considering mandating the use of power storage resources to replace uneconomic or retiring generation facilities. Such developments could (i) affect the price of energy, (ii) reduce energy deliveries as customer-owned generation becomes more cost-effective, (iii) require further improvements to our distribution systems to address changing load demands, and (iv) make portions of our transmission and/or distribution facilities obsolete prior to the end of their useful lives. These technologies could also result in further declines in commodity prices or demand for delivered energy.

Several states, cities and other stakeholders are also considering bans on new natural gas customers and transitioning away from natural gas in the future. Such actions could have a material adverse effect on our business.

Some or all of these factors could result in a lack of growth or decline in customer demand for electricity or number of customers, and may cause us to fail to fully realize anticipated benefits from significant capital investments and expenditures, which could have a material adverse effect on our financial position, results of operations and cash flows. These factors could also materially affect our results of operations, cash flows or financial positions through, among other things, reduced operating revenues, increased O&M expenses, and increased capital expenditures, as well as potential asset impairment charges or accelerated depreciation and decommissioning expenses over shortened remaining asset useful lives.

**We are subject to third-party credit risk relating to our sale of nuclear generation output and purchase of nuclear fuel.**

We sell generation output and buy fuel through the execution of bilateral contracts. We also seek to contract in advance for a significant proportion of our anticipated output capacity and fuel needs. These contracts are subject to credit risk, which relates to the ability of our counterparties to meet their contractual obligations to us. Any failure of these counterparties to perform could require PSEG Power to purchase or sell energy or fuel in the wholesale markets at less favorable prices and incur additional losses, which could have a material adverse impact on our results of operations, cash flows and financial position. In the spot markets, we are exposed to the risks of the default sharing mechanisms that exist in those markets, some of which attempt to spread the risk across all participants. Therefore, a default by a third party could increase our costs, which could negatively impact our results of operations and cash flows.

**There may be periods when PSEG Power generation output may not be able to meet its commitments under forward sale obligations and PJM rules at a reasonable cost or at all.**

A substantial portion of PSEG Power's nuclear generation output has been sold forward under fixed price financial power sales contracts. Forward financial sales offset physical sales in the PJM RTO spot market. Our forward sales of energy and capacity assume sustained, acceptable levels of operating performance. Operations at any of our plants could degrade to the point where the plant has to shut down or operate at less than full capacity. Some issues that could impact the operation of our facilities are:

- breakdown or failure of equipment, IT, processes or management effectiveness;
- disruptions in the transmission of electricity;
- labor disputes or work stoppages;
- fuel supply interruptions;
- transportation constraints;
- limitations which may be imposed by environmental or other regulatory requirements; and
- operator error, acts of war or terrorist attacks (including cybersecurity breaches) or catastrophic events such as fires,

earthquakes, explosions, floods, severe weather or other similar occurrences.

Identifying and correcting any of these issues may require significant time and expense. Depending on the materiality of the issue, we may choose to close a plant rather than incur the expense of restarting it or returning it to full capacity.

Because the obligations under most of these forward sale agreements are not contingent on a unit being available to generate power, PSEG Power's results of operations and cash flows are at risk even in the event of a plant outage, or a reduction in the available capacity of the unit. To the extent that PSEG Power does not meet its expected nuclear generation output, PSEG Power would be required to pay the difference between the market price and the contract price on its financial contracts without receiving the physical spot energy revenue or be required to purchase energy at higher prices to cover its shortfall. In addition, as capacity performance resources in PJM, PSEG's nuclear units have been and will in the future be required to pay penalties if a forced outage at a plant occurs during a declared emergency event within PJM and that plant's expected performance exceeds its actual performance during such event. The amount of such payments could be substantial and could have a material adverse effect on our financial condition, results of operations and cash flows.

In addition, as market prices for energy and fuel fluctuate, our forward energy sale and forward fuel purchase contracts could require us to post substantial additional collateral, thus requiring us to obtain additional sources of liquidity during periods when our ability to do so may be limited.

**Certain of our generation facilities rely on transmission facilities that we do not own or control and that may be subject to transmission constraints. Transmission facility owners' inability to maintain adequate transmission capacity could restrict our ability to deliver wholesale electric power to our customers and we may either incur additional costs or forgo revenues.**

We depend on transmission facilities owned and operated by others to deliver the wholesale power we sell from our generation facilities. If transmission is disrupted or if the transmission capacity infrastructure is inadequate, our ability to sell and deliver wholesale power may be adversely impacted. If a region's power transmission infrastructure is inadequate, our recovery of wholesale costs and profits may be limited.

In addition, in PJM, energy transmission congestion risk and associated costs exist. We may not be able to accurately predict and hedge this risk due to insufficient market data and liquidity. An increase in our congestion costs may adversely affect our financial results.

## **REGULATORY, LEGISLATIVE AND LEGAL RISKS**

**PSE&G's revenues, earnings and results of operations are dependent upon state laws and regulations that affect distribution and related activities.**

PSE&G is subject to regulation by the BPU. Such regulation affects almost every aspect of its businesses, including its retail rates. Failure to comply with these regulations could have a material adverse impact on PSE&G's ability to operate its business and could result in fines, penalties or sanctions. The retail rates for electric and gas distribution services are established in a base rate proceeding and remain in effect until a new base rate proceeding is filed and concluded. In addition, our utility has received approval for several clause recovery mechanisms, some of which provide for recovery of costs and earn returns on authorized investments. These clause mechanisms require periodic updates to be reviewed and approved by the BPU and are subject to prudence reviews. Inability to obtain fair or timely recovery of all our costs, including a return of, or on, our investments in rates, could have a material adverse impact on our results of operations and cash flows. In addition, if legislative and regulatory structures were to evolve in such a way that PSE&G's exclusive rights to serve its regulated customers were eroded, its future earnings could be negatively impacted.

PSE&G also is pursuing a number of opportunities to expand its products and services to customers to support clean energy goals. BPU approval is required for any new endeavor, and is not guaranteed. Rejection or delay of such filings could have an adverse impact on our future growth, or our standing with environmentally conscious investors or other stakeholders.

In September 2020, the BPU ordered the commencement of a comprehensive affiliate and management audit of PSE&G. The BPU also conducts periodic combined management/competitive service audits of New Jersey utilities related to affiliate standard requirements, competitive services, cross-subsidization, cost allocation and other issues. A finding by the BPU of non-compliance with these requirements could potentially impact our business, results of operations and cash flows. For information regarding PSE&G's current affiliate and management audit, see Item 8. Note 15. Commitments and Contingent Liabilities. In addition, PSE&G procures the supply requirements of its default service BGSS gas customers through a full-requirements contract with PSEG Power. Government officials, legislators and advocacy groups are aware of the affiliation between PSE&G and PSEG Power. In periods of rising utility rates, those officials and advocacy groups may question or challenge costs and transactions incurred by PSE&G with PSEG Power, irrespective of any previous regulatory processes or approvals underlying those transactions. The occurrence of such challenges may subject PSEG Power to a level of scrutiny not faced by other



unaffiliated competitors in those markets and could adversely affect retail rates received by PSE&G in an effort to offset any perceived benefit to PSEG Power from the affiliation.

**PSE&G's proposed investment programs may not be fully approved by regulators, which could result in lower than desired service levels to customers, and actual capital investment by PSE&G may be lower than planned, which would cause lower than anticipated rate base.**

PSE&G is a regulated public utility that operates and invests in an electric T&D system and a gas distribution system as well as certain regulated clean energy investments, including solar and EE within New Jersey. PSE&G invests in capital projects to maintain and improve its existing T&D system and to address various public policy goals and meet customer expectations. Transmission projects are subject to a FERC-approved transmission expansion planning process while distribution and clean energy projects are subject to approval by the BPU. The costs of PSE&G's transmission projects are subject to prudence challenge at FERC and PSE&G's rates themselves may also be challenged at FERC. We cannot be certain that any proposed project will be approved as requested or at all. If the programs that PSE&G may file from time to time are only approved in part, or not at all, or if the approval fails to allow for the timely recovery of all of PSE&G's costs, including a return of, or on, its investment, PSE&G will have a lower than anticipated rate base, thus causing its future earnings to be lower than anticipated. If these programs are not approved, that could also adversely affect our service levels for customers. Further, the BPU could take positions to exclude or limit utility participation in certain areas, such as renewable generation, EE, EV infrastructure, energy storage, renewable natural gas or hydrogen projects, which would limit our relationship with customers and narrow our future growth prospects.

**We are subject to comprehensive federal regulation that affects, or may affect, our businesses.**

We are subject to regulation by federal authorities. Such regulation affects almost every aspect of our businesses, including management and operations; the terms and rates of transmission services; investment strategies; the financing of our operations and the payment of dividends. Failure to comply with these regulations could have a material adverse impact on our ability to operate our business and could result in fines, penalties or sanctions.

**Recovery of wholesale transmission rates**—PSE&G's wholesale transmission rates are regulated by FERC and are recovered through a FERC-approved formula rate. The revenue requirements are reset each year through this formula.

In 2021, FERC approved a settlement agreement effective August 1, 2021 that we reached with the BPU and the New Jersey Rate Counsel about the level of PSE&G's base transmission ROE and other formula rate matters. The settlement reduces PSE&G's base ROE from 11.18% to 9.9% and made changes to recovery of certain costs. The agreement provides that the settling parties will not seek changes to our transmission formula rate for three years. We have implemented the terms of the agreement.

In April 2021, FERC issued a supplemental notice of proposed rulemaking to eliminate the incentive for RTO membership for transmitting utilities that have already received the incentive for three or more years. PSE&G began receiving a 50 basis point adder for RTO membership in 2008. Elimination of the adder for RTO membership would reduce PSE&G's annual Net Income and annual cash inflows by approximately \$30 million-\$40 million.

**Transmission Planning**—FERC Order 1000 has generally opened transmission development to competition from independent developers, allowing such developers to compete with incumbent utilities for the construction and operation of transmission facilities in its service territory. While Order 1000 retains limited carve-outs for certain projects that will continue to default to incumbents for construction responsibility, including immediately needed reliability projects, upgrades to existing transmission facilities, projects cost-allocated to a single transmission zone, and projects being built on existing rights-of-way, increased competition for transmission projects could decrease the value of new investments that would be subject to recovery by PSE&G under its rate base, which could have a material adverse impact on our financial condition and results of operations. FERC is currently considering whether to modify Order 1000's competition rules to further limit competition in an effort to encourage collaborative planning of large regional and interregional transmission projects. FERC is also examining whether additional oversight is needed to control transmission costs.

**NERC Compliance**—NERC, at the direction of FERC, has implemented mandatory NERC Operations and Planning and Critical Infrastructure Protection standards to ensure the reliability of the North American Bulk Electric System, which includes electric transmission and generation systems, and to prevent major system blackouts. NERC Critical Infrastructure Protection standards establish cybersecurity and physical security protections for critical systems and facilities. We have been, and will continue to be, periodically audited by NERC for compliance with both Operations and Planning and Critical Infrastructure Protection standards and are subject to penalties for non-compliance with applicable NERC standards. NERC is conducting more frequent audits than was the case in the past and we must always be in a state of audit readiness. Failure to comply with applicable NERC standards could result in penalties or increased costs to bring such facilities into compliance. Such penalties and costs could materially adversely impact our business, results of operations and cash flows. Adverse audit findings and/or penalties for non-compliance also pose reputational risk to us.

**MBR Authority and Other Regulatory Approvals**—Under FERC regulations, public utilities that sell power at market rates must receive MBR authority before making power sales, and the majority of our businesses operate with such authority. Failure to maintain MBR authorization, or the effects of any severe mitigation measures that would be required if market power was evaluated differently in the future, could have a material adverse effect on our business, financial condition and results of operations. In December 2022, all of PSEG’s operating companies with MBR authority filed at FERC for acceptance of the companies’ updated triennial market power analysis. This filing remains pending at FERC.

**Oversight by the CFTC relating to derivative transactions**—The CFTC has regulatory oversight of the swap and futures markets and options, including energy trading, and licensed futures professionals such as brokers, clearing members and large traders. Changes to regulations or adoption of additional regulations by the CFTC, including any regulations relating to futures and other derivatives or margin for derivatives and increased investigations by the CFTC, could negatively impact PSEG Power’s ability to hedge its portfolio in an efficient, cost-effective manner by, among other things, potentially decreasing liquidity in the forward commodity and derivatives markets or limiting PSEG Power’s ability to utilize non-cash collateral for derivatives transactions.

We may also be required to obtain various other regulatory approvals to, among other things, buy or sell assets, engage in transactions between our public utility and our other subsidiaries, and, in some cases, enter into financing arrangements, issue securities and allow our subsidiaries to pay dividends. Failure to obtain these approvals on a timely basis could materially adversely affect our results of operations and cash flows.

**The markets, PTC and/or ZEC program may not provide sufficient revenue for our New Jersey nuclear plants or the PTC and/or ZEC program could be materially adversely modified through legal proceedings, either of which could result in the retirement of all of these nuclear plants.**

As further described in Item 7. MD&A—Executive Overview of 2022 and Future Outlook, in April 2019, PSEG Power’s Salem 1, Salem 2 and Hope Creek nuclear plants were awarded ZECs by the BPU through May 2022. In April 2021, these nuclear plants were awarded ZECs for the three-year period starting June 2022.

In May 2021, the New Jersey Rate Counsel filed an appeal with the New Jersey Appellate Division of the BPU’s April 2021 decision. PSEG cannot predict the outcome of these matters.

In August 2022, the IRA was signed into law expanding incentives promoting carbon-free generation. The enacted legislation established a PTC for electricity generation using nuclear energy set to begin in 2024 through 2032. The expected PTC rate is up to \$15/MWh subject to adjustment based upon a facility’s gross receipts. The PTC rate and the gross receipts cap are subject to annual inflation adjustments. The U.S. Treasury is expected to clarify the definition of gross receipts prior to when the eligibility period begins in 2024. The ZEC payment may be adjusted by the BPU at any time to offset environmental or fuel diversity payments that a selected nuclear plant may receive from another source. We are continuing to analyze the impact of the IRA on our nuclear units including additional future guidance from the U.S. Treasury and the interactions with PTCs on expected ZEC payments.

If the markets, PTC and/or the ZEC program do not provide sufficient revenue, or, in the case of the Salem nuclear plants, decisions by the EPA and state environmental regulators regarding the implementation of Section 316(b) of the CWA and related state regulations, or other factors, PSEG Power may take all necessary steps to cease to operate all of these plants and will incur associated costs and accounting charges in the event that the financial condition of the plants is materially adversely impacted in the future. Ceasing operations of these plants would result in a material adverse impact on PSEG’s results of operations.

**We may be adversely affected by changes in energy regulatory policies, including energy and capacity market design rules and developments affecting transmission.**

The energy industry continues to be regulated and the rules to which our businesses are subject are always at risk of being changed. Our business has been impacted by established rules that create locational capacity markets in PJM. Under these rules, generators located in constrained areas are paid more for their capacity so there is an incentive to locate in those areas where generation capacity is most needed. PJM’s capacity market design rules continue to evolve, including in response to efforts to integrate public policy initiatives into the wholesale markets. For a discussion of recent changes in energy regulatory policies that may affect our business and results of operations, see Item 1. Regulatory Issues—Federal Regulation.

Further, some of the market-based mechanisms in which we participate are at times the subject of review or discussion by some of the participants in the New Jersey and federal arenas. We can provide no assurance that these mechanisms will continue to exist in their current form, nor otherwise be modified.

In July 2021, the BPU issued a report on its investigation related to whether New Jersey can achieve its long-term clean energy and environmental objectives under the current resource adequacy procurement paradigm. The report found that participating in the regional market is the most efficient way for New Jersey to achieve its clean energy goals and therefore consideration of leaving the regional market is paused while market reforms are being considered at the regional and national level. In

September 2022, the BPU issued a Progress Report expanding on the recommendations contained in the 2021 report. The Progress Report found that it is in New Jersey's best interest to pursue a voluntary independent clean energy market and Staff sought the BPU's authorization to evaluate various options that would serve as alternatives to the PJM capacity market or work in conjunction with it. We cannot predict whether the BPU will ultimately take any measures in the future that will have an impact on the capacity market or our generating stations.

**Our ownership and operation of nuclear power plants involve regulatory risks as well as financial, environmental and health and safety risks.**

The vast majority of our total generation output each year is provided by our nuclear fleet. For this reason, we are exposed to risks related to the continued successful operation of our nuclear facilities and issues that may adversely affect the nuclear generation industry. In addition to the risk of retirement discussed below, risks associated with the operation of nuclear facilities include:

**Storage and Disposal of Spent Nuclear Fuel**—Federal law requires the United States Department of Energy (DOE) to provide for the permanent storage of spent nuclear fuel. The DOE has not yet begun accepting spent nuclear fuel. Until a federal site is available, we use on-site storage for spent nuclear fuel, which is reimbursed by the DOE. However, future capital expenditures may be required to increase spent fuel storage capacity at our nuclear facilities. Once a federal site is available, the DOE may impose fees to support a permanent repository. Further, the on-site storage for spent nuclear fuel may significantly increase our nuclear unit decommissioning costs.

**Regulatory and Legal Risk**—We may be required to substantially increase capital expenditures or operating or decommissioning costs at our nuclear facilities if there is a change in the Atomic Energy Act or the applicable regulations, trade controls or the environmental rules and regulations applicable to nuclear facilities; a modification, suspension or revocation of licenses issued by the NRC; the imposition of civil penalties for failure to comply with the Atomic Energy Act, related regulations, trade controls or the terms and conditions of the licenses for nuclear generating facilities; or the shutdown of one of our nuclear facilities. Any such event could have a material adverse effect on our financial condition or results of operations.

**Operational Risk**—Operations and equipment reliability at any of our nuclear facilities could degrade to the point where an affected unit needs to be shut down or operated at less than full capacity. If this were to happen, identifying and correcting the causes could require significant time and expense and a significant outage could result in reduced earnings as we would have less electric output to sell and would be required to deliver on our forward sale commitments.

In addition, if a unit cannot be operated through the end of its current estimated useful life, our results of operations could be adversely affected by increased depreciation rates, impairment charges and accelerated future decommissioning costs.

**Nuclear Incident or Accident Risk**—Accidents and other unforeseen problems have occurred at nuclear stations, both in the U.S. and elsewhere. The consequences of an accident can be severe and may include loss of life, significant property damage and/or a change in the regulatory climate. We have nuclear units at two sites. It is possible that an accident or other incident at a nuclear generating unit could adversely affect our ability to continue to operate unaffected units located at the same site, which would further affect our financial condition, results of operations and cash flows. An accident or incident at a nuclear unit not owned by us could lead to increased regulation, which could affect our ability to continue to economically operate our units. Any resulting financial impact from a nuclear accident may exceed our resources, including insurance coverages. Further, as a licensed nuclear operator subject to the Price-Anderson Act and a member of a nuclear industry mutual insurance company, PSEG Power is subject to potential retroactive assessments as a result of an industry nuclear incident or retrospective premiums due to adverse industry loss experience and such assessments may be material.

In the event of non-compliance with applicable legislation, regulation and licenses, the NRC may increase oversight, impose fines, and/or shut down a unit, depending on its assessment of the severity of the non-compliance. If a serious nuclear incident were to occur, our business, reputation, financial condition and results of operations could be materially adversely affected. In each case, the amount and types of insurance available to cover losses that might arise in connection with the operation of our nuclear fleet are limited and may be insufficient to cover any costs we may incur.

**Decommissioning**—NRC regulations require that licensees of nuclear generating facilities demonstrate reasonable assurance that funds will be available to decommission a nuclear facility at the end of its useful life. PSEG Nuclear has established an NDT Fund to satisfy these obligations. However, forecasting trust fund investment earnings and costs to decommission nuclear generating stations requires significant judgment, and actual results could differ significantly from current estimates. If we determine that it is necessary to retire one of our nuclear generating stations before the end of its useful life, there is a risk that it will no longer meet the NRC minimum funding requirements due to the earlier commencement of decommissioning activities and a shorter time period over which the NDT investments could appreciate in value. A shortfall could require PSEG to post parental guarantees or make additional cash contributions to ensure that the NDT Fund continues to satisfy the NRC minimum funding requirements. As a result, our financial position or cash flows could be significantly adversely affected.

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### **We are subject to numerous federal, state and local environmental laws and regulations that may significantly limit or affect our businesses, adversely impact our business plans or expose us to significant environmental fines and liabilities.**

We are subject to extensive federal, state and local environmental laws and regulations regarding air quality, water quality, site remediation, land use, waste disposal, climate change impact, natural resource damages and other matters. These laws and regulations affect how we conduct our operations and make capital expenditures. Over the past several years, there have been various changes to existing environmental laws and regulations and this trend may continue. Changes in these laws, or violations of laws, could result in significant increases in our compliance costs, capital expenditures to bring facilities into compliance, operating costs for remediation and clean-up actions, civil penalties or damages from actions brought by third parties for alleged health or property damages. Any such increase in our costs could have a material impact on our financial condition, results of operations and cash flows and could require further economic review to determine whether to continue operations or decommission an affected facility. We may also be unable to successfully recover certain of these cost increases through our existing regulatory rate structures, in the case of PSE&G, or our contracts with our customers, in the case of PSEG Power.

Actions by state and federal government agencies could also result in reduced reliance on natural gas and could potentially result in stranding natural gas assets owned and operated by PSEG Power and PSE&G, which could materially adversely affect our business, financial condition and results of operations.

PSE&G recovers certain remediation and legal costs associated with its manufactured gas plant sites through Remediation Adjustment Charge (RAC) filings with the BPU. Continued future recoveries through the RAC are not guaranteed. Any failure to make future recoveries could materially impact our financial condition.

In addition, PSEG Power retained ownership of certain liabilities excluded from the sale of its fossil generation portfolio. These primarily relate to obligations under environmental regulations, including remediation obligations under the New Jersey Industrial Site Recovery Act and the Connecticut Transfer Act. It will require multiple years and comprehensive environmental sampling to understand the extent of and to carry out the required remediation. The full remediation costs are not estimable, but will likely be material.

Environmental laws and regulations have generally become more stringent over time, and this trend is likely to continue. For further discussion of environmental laws and regulations impacting our business, results of operations and financial condition, including the impact of federal and state laws and regulations relating to remediation of environmental contamination, see Item 8. Note 15. Commitments and Contingent Liabilities.

### **We may not receive necessary licenses, permits and siting approvals in a timely manner or at all, which could adversely impact our business and results of operations.**

We must periodically apply for licenses and permits from various regulatory authorities, including environmental regulatory authorities, and abide by their respective orders. Delay in obtaining, or failure to obtain and maintain, any permits or approvals, including environmental permits or approvals, or delay in or failure to satisfy any applicable regulatory requirements, could:

- prevent construction of new facilities,
- limit or prevent continued operation of existing facilities,
- limit or prevent the sale of energy from these facilities, or
- result in significant additional costs,

each of which could materially affect our business, financial condition, results of operations and cash flows. In addition, the process of obtaining licenses and permits from regulatory authorities may be delayed or defeated by concerted community opposition and such delay or defeat could have a material effect on our business.

### **Changes in tax laws and regulations may adversely affect our financial condition, results of operations and cash flows.**

The enactment of additional federal or state tax legislation and clarification of previously enacted tax laws could have a material impact on our effective tax rate and cash tax position.

## **ITEM 1B. UNRESOLVED STAFF COMMENTS**

### **PSEG and PSE&G**

None.

## ITEM 2. PROPERTIES

All of our owned physical property is held by our subsidiaries. We believe that we and our subsidiaries maintain adequate insurance coverage against loss or damage to plants and properties, subject to certain exceptions and deductibles, to the extent such property is usually insured and insurance is available at a reasonable cost. For a discussion of nuclear insurance, see Item 8. Note 15. Commitments and Contingent Liabilities.

### PSE&G

Primarily all of PSE&G's property is located in New Jersey and PSE&G's First and Refunding Mortgage, which secures the bonds issued thereunder, constitutes a direct first mortgage lien on substantially all of PSE&G's property. PSE&G's electric lines and gas mains are located over or under public highways, streets, alleys or lands, except where they are located over or under property owned by PSE&G or occupied by it under easements or other rights. PSE&G deems these easements and other rights to be adequate for the purposes for which they are being used.

### Electric Property and Facilities

As of December 31, 2022, PSE&G's electric T&D system included approximately 25,000 circuit miles, and 864,000 poles, of which 64% are jointly-owned. In addition, PSE&G owns and operates 55 switching stations with an aggregate installed capacity of 39,653 megavolt-amperes (MVA) and 235 substations with an aggregate installed capacity of 9,735 MVA. Four of those substations, having an aggregate installed capacity of 109 MVA are operated on leased property. In addition, PSE&G owns four electric distribution headquarters and five electric sub-headquarters.

### Gas Property and Facilities

As of December 31, 2022, PSE&G's gas system included approximately 18,000 miles of gas mains, 12 gas distribution headquarters, two sub-headquarters, and one meter shop serving all of its gas territory in New Jersey. In addition, PSE&G operates 56 natural gas metering and regulating stations, of which 26 are located on land owned by customers or natural gas pipeline suppliers and are operated under lease, easement or other similar arrangement. In some instances, the pipeline companies own portions of the metering and regulating facilities. PSE&G also owns one liquefied natural gas and three liquid petroleum air gas peaking facilities. The daily gas capacity of these peaking facilities (the maximum daily gas delivery available during the three peak winter months) is approximately 2.8 million therms in the aggregate.

### Solar

As of December 31, 2022, PSE&G owned 158 MW dc of installed PV solar capacity throughout New Jersey.

### PSEG Power

#### Generation Facilities

As of December 31, 2022, PSEG Power's share of installed nuclear generating capacity is shown in the following table:

<u>Name</u>	<u>Location</u>	<u>Total Capacity (MW)</u>	<u>% Owned</u>	<u>Owned Capacity (MW)</u>	<u>Principal Fuels Used</u>
<i>Nuclear:</i>					
Hope Creek	NJ	1,173	100%	1,173	Nuclear
Salem 1 & 2	NJ	2,295	57%	1,318	Nuclear
Peach Bottom 2 & 3 (A)	PA	2,549	50%	1,275	Nuclear
<b>Total Nuclear</b>		<b>6,017</b>		<b>3,766</b>	

(A) Operated by Constellation Energy Generation, LLC.

As of December 31, 2022, PSEG Power owned a 50% interest (104 MW) in a generation facility in Hawaii.

## ITEM 3. LEGAL PROCEEDINGS

We are party to various lawsuits and environmental and regulatory matters, including in the ordinary course of business. For information regarding material legal proceedings, see Item 1. Business—Regulatory Issues and Environmental Matters and Item 8. Note 15. Commitments and Contingent Liabilities.

## ITEM 4. MINE SAFETY DISCLOSURES

Not applicable.

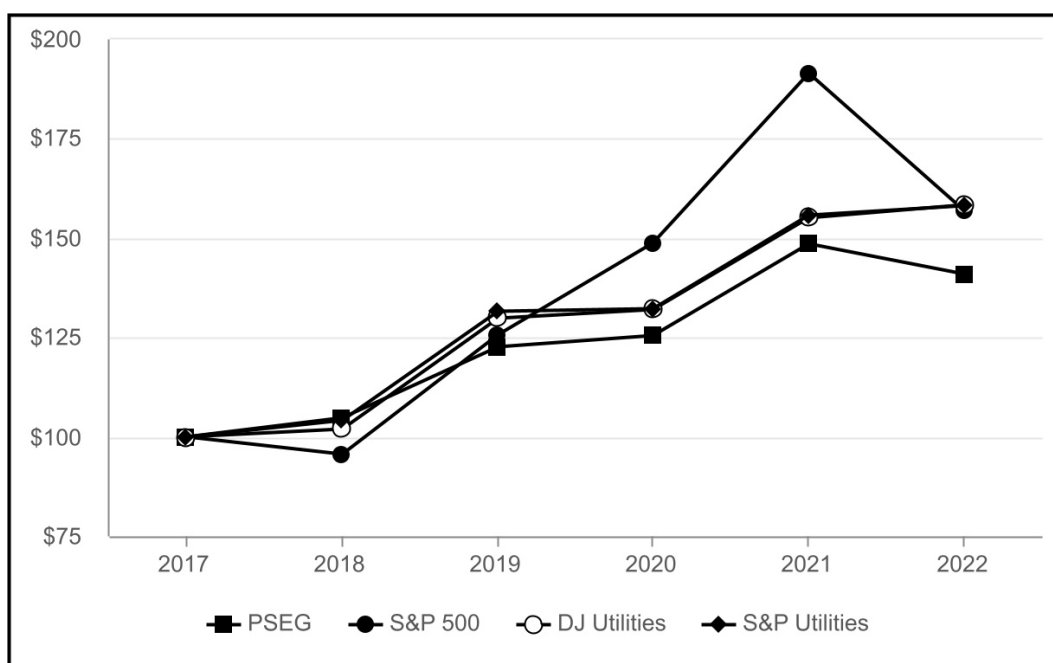
## PART II

## ITEM 5. MARKET FOR REGISTRANT’S COMMON EQUITY, RELATED STOCKHOLDER MATTERS AND ISSUER PURCHASES OF EQUITY SECURITIES

Our common stock is listed on the New York Stock Exchange, Inc. under the trading symbol “PEG.” As of February 17, 2023, there were 50,146 registered holders.

The following graph shows a comparison of the five-year cumulative return assuming \$100 invested on December 31, 2017 in our common stock and the subsequent reinvestment of quarterly dividends, the S&P Composite Stock Price Index, the Dow Jones Utilities Index and the S&P Electric Utilities Index.

	2017	2018	2019	2020	2021	2022
PSEG	\$ 100.00	\$ 104.67	\$ 122.55	\$ 125.47	\$ 148.47	\$ 140.91
S&P 500	\$ 100.00	\$ 95.61	\$ 125.70	\$ 148.81	\$ 191.48	\$ 156.77
DJ Utilities	\$ 100.00	\$ 101.99	\$ 129.82	\$ 132.01	\$ 155.06	\$ 158.23
S&P Utilities	\$ 100.00	\$ 104.11	\$ 131.54	\$ 132.23	\$ 155.60	\$ 158.03



On February 14, 2023, our Board of Directors approved a \$0.57 per share common stock dividend for the first quarter of 2023. This reflects an indicative annual dividend rate of \$2.28 per share. We expect to continue to pay cash dividends on our common stock; however, the declaration and payment of future dividends to holders of our common stock will be at the discretion of the Board of Directors and will depend upon many factors, including our financial condition, earnings, capital requirements of our businesses, alternate investment opportunities, legal requirements, regulatory constraints, industry practice and other factors that the Board of Directors deems relevant.

In September 2021, PSEG announced a \$500 million share repurchase program authorized by the Board of Directors. Under this authorization, during January and through mid-February 2022, PSEG purchased approximately 3.8 million shares of

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common stock pursuant to an open market share repurchase plan and during March through mid-May, PSEG purchased an additional 3.6 million shares pursuant to an accelerated share repurchase agreement. See Item 8. Note 24. Earnings Per Share (EPS) and Dividends for additional information.

From time to time, PSEG may repurchase shares to satisfy obligations under equity compensation awards and repurchase shares to satisfy purchases by employees under the Employee Stock Purchase Plan (ESPP). In December 2022, for such purposes, we entered into a share repurchase plan that complies with Rule 10b5-1 under the Securities Exchange Act of 1934, as amended. There were no common share repurchases in the open market during the fourth quarter of 2022.

The following table indicates the securities authorized for issuance under equity compensation plans as of December 31, 2022:

<b>Plan Category</b>	<b>Number of Securities to be Issued upon Exercise of Outstanding Options, Warrants and Rights (a)</b>	<b>Weighted-Average Exercise Price of Outstanding Options, Warrants and Rights (b)</b>	<b>Number of Securities Remaining Available for Future Issuance under Equity Compensation Plans (excluding securities reflected in column (a)) (c)</b>
Equity Compensation Plans Approved by Security Holders	—	\$ —	9,085,980
Equity Compensation Plans Not Approved by Security Holders	—	—	—
<b>Total</b>	<b>—</b>	<b>\$ —</b>	<b>9,085,980</b>

The number of shares available for future issuance includes amounts remaining under our 2021 Long-Term Incentive Plan (2021 LTIP) and 2021 Equity Compensation Plan for Outside Directors and ESPP and reflect a reduction for non-vested restricted stock units and performance share units (PSUs) (assumed at target payout). The number of shares available for future issuance may be increased or decreased depending on actual payouts for the PSUs based on achievement of targets and is increased by the number of shares that are forfeited, canceled or otherwise terminated without the issuance of shares. For additional discussion of specific plans concerning equity-based compensation, see Item 8. Note 20. Stock Based Compensation.

#### PSE&G

We own all of the common stock of PSE&G. For additional information regarding PSE&G's ability to continue to pay dividends, see Item 7. MD&A—Liquidity and Capital Resources.

## ITEM 6. [RESERVED]

## ITEM 7. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS (MD&A)

This combined MD&A is separately filed by Public Service Enterprise Group Incorporated (PSEG) and Public Service Electric and Gas Company (PSE&G). Information contained herein relating to any individual company is filed by such company on its own behalf.

PSEG's business consists of two reportable segments, PSE&G and PSEG Power LLC (PSEG Power) & Other, primarily comprised of our principal direct wholly owned subsidiaries, which are:

- **PSE&G**—which is a public utility engaged principally in the transmission of electricity and distribution of electricity and natural gas in certain areas of New Jersey. PSE&G is subject to regulation by the New Jersey Board of Public Utilities (BPU) and the Federal Energy Regulatory Commission (FERC). PSE&G also invests in regulated solar generation projects and energy efficiency (EE) and related programs in New Jersey, which are regulated by the BPU, and
- **PSEG Power**—which is an energy supply company that integrates the operations of its merchant nuclear generating assets with its fuel supply functions through competitive energy sales via its principal direct wholly owned subsidiaries. PSEG Power's subsidiaries are subject to regulation by FERC, the Nuclear Regulatory Commission (NRC), the Environmental Protection Agency and the states in which they operate.

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The PSEG Power & Other reportable segment also includes amounts related to the parent company as well as PSEG's other direct wholly owned subsidiaries, which are: PSEG Energy Holdings L.L.C. (Energy Holdings), which holds our investments in legacy lease investments and investments in offshore wind ventures; PSEG Long Island LLC (PSEG LI), which operates the Long Island Power Authority's (LIPA) transmission and distribution (T&D) system under an Operations Services Agreement (OSA); and PSEG Services Corporation (Services), which provides certain management, administrative and general services to PSEG and its subsidiaries at cost.

Our business discussion in Item 1. Business provides a review of the regions and markets where we operate and compete, as well as our strategy for conducting our businesses within these markets, focusing on operational excellence, financial strength and making disciplined investments. Our risk factor discussion in Item 1A. Risk Factors provides information about factors that could have a material adverse impact on our businesses. The following discussion provides an overview of the significant events and business developments that have occurred during 2022 and key factors that we expect may drive our future performance. This discussion refers to the Consolidated Financial Statements (Statements) and the related Notes to the Consolidated Financial Statements (Notes). This discussion should be read in conjunction with such Statements and Notes.

## **EXECUTIVE OVERVIEW OF 2022 AND FUTURE OUTLOOK**

We are a public utility holding company that, acting through our wholly owned subsidiaries, is a predominantly regulated electric and gas utility and a nuclear generation business. Our business plan focuses on achieving growth by allocating capital primarily toward regulated investments in an effort to continue to improve the sustainability and predictability of our business. We are focused on investing to modernize our energy infrastructure, improve reliability and resilience, increase EE and deliver cleaner energy to meet customer expectations and be well aligned with public policy objectives. In furtherance of these goals, over the past few years, our investments have simplified our business mix to reflect a higher percentage of earnings contribution by PSE&G. We have further proactively changed our business mix through the sale of our fossil generation portfolio which closed in 2022. See Item 8. Note 4. Early Plant Retirements/Asset Dispositions and Impairments for additional information. In addition, the passage of the Inflation Reduction Act (IRA) established a Production Tax Credit (PTC) for nuclear from 2024 through 2032 which is expected to provide downside price protection for our nuclear generation fleet.

### **PSE&G**

At PSE&G, our focus is on investing capital in T&D infrastructure and clean energy programs to enhance the reliability and resiliency of our T&D system, meet customer expectations and support public policy objectives. For the years 2023-2027, PSE&G's capital investment program is estimated to be in a range of \$15.5 billion to \$18 billion, resulting in an expected compound annual growth in rate base of 6% to 7.5% from year-end 2022 to year-end 2027. The low end of this range includes an extension of our Gas System Modernization Program (GSMP) and Clean Energy Future (CEF)-EE program at their average annual investment levels plus inflation, as these programs are expected to continue beyond their currently approved timeframe of 2023. The upper end of our capital investment range includes an extension of our Energy Strong program, which otherwise concludes in 2024, as well as the remaining portion of our CEF proposal (portion of Electric Vehicle (EV) and Energy Storage (ES) programs) and a potentially higher amount of investments for GSMP and CEF-EE beyond current levels. We filed for a \$320 million short-term extension of our CEF-EE program in September 2022, which we expect will be resolved in 2023. A remaining component of our CEF-EV program related to medium and heavy duty charging infrastructure has been the subject of a stakeholder process that the BPU began in 2021 and we expect that this effort will result in PSE&G submitting a filing targeting infrastructure investments for the medium and heavy duty EV market in 2023. Our CEF-ES program is being held in abeyance. In September 2022, the BPU released a draft Storage Incentive Program proposal and is currently undertaking a stakeholder process to receive comments. PSE&G is active in the proceeding. Pursuant to our GSMP II and Energy Strong II programs, we are required to file a distribution base rate case no later than December 31, 2023. Among other things, the rate case will recover capital expenditures associated with these programs, as well as the Advanced Metering Infrastructure and EV programs, and other investments that are not recovered through periodic rate roll-ins. We expect to conclude the case in the second half of 2024.

### **PSEG Power**

At PSEG Power, we seek to produce low-cost electricity by efficiently operating our nuclear generation assets, mitigate volatility by contracting in advance for a significant portion of their output and support public policy objectives that preserve these existing nuclear generating plants. During 2022, our nuclear units generated 31.3 terawatt hours and operated at a capacity factor of 92.2%.

We recently closed the sale of our Solar generation and Fossil generation businesses in 2021 and 2022, respectively. These transformative transactions reduced our overall business risk and earnings volatility.

PSEG Power's hedging practices help to mitigate a significant amount of the earnings volatility of the merchant nuclear power business. More than 90% of PSEG Power's expected gross margin in 2023 relates to hedging of our energy margin, our expected revenues from the capacity market mechanism, Zero Emission Certificate (ZEC) revenues and, certain gas operations



and ancillary service payments such as reactive power. While this limits our exposure to decreasing prices, our ability to realize benefits from rising market prices is also limited. During the second half of 2021 and continuing throughout 2022, forward energy prices have demonstrated considerable price volatility and have increased dramatically. This has led to significantly higher variation in our collateral requirements, which have also increased substantially over that time period for hedge positions that are out-of-the money. PSEG Power's net cash collateral postings related to these hedge positions increased from \$343 million at the end of June 2021 to \$1.5 billion at the end of December 2022. Subsequent to December 2022, collateral postings continued to experience significant fluctuations in our daily collateral requirements. Net cash collateral postings were approximately \$700 million as of February 17, 2023. While currently off their highs experienced during 2022, collateral postings could remain volatile into 2023. However, as historical lower-priced trades continue to settle through 2024, collateral is expected to be returned as we satisfy our obligations under those contracts. PSEG continues to maintain sufficient liquidity as described in Liquidity and Capital Resources.

### **Climate Strategy and Sustainability Efforts**

For more than a century, our purpose has been to provide safe access to an around-the-clock supply of reliable, affordable energy. Today, our vision is to power a future where people use less energy, and it is cleaner, safer and delivered more reliably than ever. We have established a net zero greenhouse gas (GHG) emissions by 2030 goal that includes direct GHG emissions (Scope 1) and indirect GHG emissions from operations (Scope 2) across our operations, assuming advances in technology, public policy and customer behavior. Scope 1 emissions include power generation, methane leaks, vehicle fleet emissions, and sulfur hexafluoride and refrigerant leaks. Scope 2 emissions include both gas and electric purchased energy for our PSE&G facilities and line losses. We have also committed to the United Nations-backed Race to Zero campaign. We continue to evaluate and are working toward developing and submitting science-based emission reduction targets following the criteria and recommendations of the Science Based Targets initiative (SBTi) by September 2023 which encompass Scopes 1, 2, and 3 (the majority of which are associated with the downstream use of energy products) and seek to be in line with 1.5°C emissions scenarios in order to be validated by the SBTi.

PSE&G has undertaken a number of initiatives that support the reduction of GHG emissions and the implementation of EE initiatives. PSE&G's approved CEF-EE, CEF-Energy Cloud and CEF-EV programs and the proposed CEF-ES program are intended to support New Jersey's Energy Master Plan through programs designed to help customers increase their EE, support the expansion of the EV infrastructure in the State, install energy storage capacity to supplement solar generation and enhance grid resiliency, install smart meters and supporting infrastructure to allow for the integration of other clean energy technologies and to more efficiently respond to weather and other outage events.

In addition, PSE&G is committed to the safe and reliable delivery of natural gas to approximately 1.9 million customers throughout New Jersey and we are equally committed to reducing GHG emissions associated with such operations. The first phase of our GSMP replaced approximately 450 miles of cast-iron and unprotected steel gas main infrastructure, and the second phase of this program is expected to replace an additional 875 miles of gas pipes through 2023. The GSMP is designed to significantly reduce natural gas leaks in our distribution system, which would reduce the release of methane, a potent GHG, into the air. Through GSMP II, from 2018 through 2023 we expect to reduce methane leaks by approximately 22% system wide and assuming a continuation of GSMP, we expect to achieve an overall reduction in methane emissions of approximately 60% over the 2011 through 2030 period. We also continue to assess physical risks of climate change and adapt our capital investment program to improve the reliability and resiliency of our system in an environment of increasing frequency and severity of weather events, notably through our investments in our Energy Strong program and Infrastructure Advancement Program. These investments have shown benefits in recent severe weather events, including Tropical Storm Ida in August 2021, which brought significant flooding to our service territory but did not result in the loss of any of our electric distribution substations.

We also continue to focus on providing cleaner energy for our customers. Our priority is to preserve the economic viability of our nuclear units, which provide over 85% of the carbon-free energy in New Jersey, by advocating for state and federal policies, such as the IRA discussed below, that recognize the value of carbon-free generation and reduce market risk.

In February 2023, New Jersey Governor Murphy issued three executive orders that establish targets, or accelerate previously established 2050 targets, for clean-sourced energy, building electrification, and EV adoption goals, with new target dates of 2030 or 2035, as applicable. The executive orders direct the BPU and other state agencies to collaborate with stakeholders to develop plans, including the new 2024 Energy Master Plan, to reach the targets and convene a stakeholder proceeding to develop a new plan for gas distribution utilities to reach the target, previously established in a 2021 executive order, of 50% natural gas emissions reductions over 2006 levels by 2030. Such proceeding is to consider competitive market mechanisms including adoption of a "clean heat" standard, policies to minimize investment in new gas infrastructure, and alternative programs that could provide natural gas utilities with new revenue streams, such as conversion of existing pipeline infrastructure to provide decarbonized heating and cooling (for example, district geothermal). We are unable to predict the

outcomes of the various proceedings, but they could have a material impact on our business, results of operations and cash flows.

### Offshore Wind

PSEG holds a 25% equity interest in Ørsted North America Inc.'s (Ørsted) Ocean Wind 1 project which is currently in development.

In January 2023, PSEG agreed to sell to Ørsted its 25% equity interest in Ocean Wind JV HoldCo, LLC. The sale proceeds approximate PSEG's carrying value of the investment and no material gain or loss is expected upon disposition. The sale is contingent upon finalization of a purchase and sale agreement with Ørsted and other closing conditions as well as potential state regulatory approval that may be required to close on the transaction. The sale is expected to close in the first half of 2023. PSEG has no further obligation to make any capital contributions to the project prior to closing on the transaction. PSEG will continue to provide construction management and environmental permitting services for the onshore substations and transmission cable installation scope of the project.

Additionally, PSEG and Ørsted each owns 50% of Garden State Offshore Energy LLC (GSOE) which holds rights to an offshore wind lease area just south of New Jersey. PSEG has decided not to exercise its option to purchase 50% of Ørsted's Skipjack projects in Maryland (one of which would utilize a portion of the GSOE lease area) or pursue an ownership interest in Ørsted's Ocean Wind 2 offshore wind project or other offshore wind generation projects. PSEG is evaluating its options for the potential sale of its interest in GSOE.

In 2021-2022, PJM Interconnection, L.L.C. (PJM) conducted its first-ever public policy Order 1000 transmission solicitation process utilizing the state agreement approach for transmission projects to support New Jersey's planned offshore wind generation. The state agreement approach requires customers in the requesting state - in this case New Jersey - to pay for the costs of these public policy transmission projects. PSEG and Ørsted jointly submitted several proposals in response to the solicitation, including multi-spur options and an offshore network proposal. The BPU completed its review of offshore wind transmission in October 2022 and awarded several on-shore, though no offshore, solutions. PSE&G was awarded \$40 million for transmission upgrades. The BPU also indicated that it would consider conducting an additional solicitation to address the State's increased offshore wind generation targets.

### Financial Results

The financial results for PSEG, PSE&G and PSEG Power for the years ended December 31, 2022 and 2021 are presented as follows:

	Years Ended December 31,	
	2022	2021
	Millions, except per share data	
PSE&G	\$ 1,565	\$ 1,446
PSEG Power & Other	(534)	(2,094)
<b>PSEG Net Income (Loss)</b>	<b>\$ 1,031</b>	<b>\$ (648)</b>
<b>PSEG Net Income (Loss) Per Share (Diluted)</b>	<b>\$ 2.06</b>	<b>\$ (1.29)</b>

For a detailed discussion of our financial results, see Results of Operations.

### Regulatory, Legislative and Other Developments

We closely monitor and engage with stakeholders on significant regulatory and legislative developments. Distribution investment needs and scope and transmission planning and rates rules, as well as wholesale power market design, including clarification from the U.S. Treasury on PTCs for electricity generation using nuclear energy, are of particular importance to our results and we continue to advocate for policies and rules that promote fair and efficient electricity markets. For additional information about regulatory, legislative and other developments that may affect us, see Item 1. Business—Regulatory Issues.

#### Transmission Rate Proceedings and Return on Equity (ROE)

In October 2021, FERC approved a settlement agreement effective August 1, 2021 that we reached with the BPU and the New Jersey Division of Rate Counsel about the level of PSE&G's base transmission ROE and other formula rate matters. The settlement reduces PSE&G's base ROE from 11.18% to 9.9% and makes several other changes regarding the recovery of certain costs. The agreement provides that the settling parties will not seek changes to our transmission formula rate for three years. We have implemented the terms of the agreement.

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Under current FERC rules, we continue to earn a 50 basis point adder to that base ROE for our membership in PJM. FERC is considering whether to eliminate this adder and the outcome and timing of any decision is uncertain. If the adder was eliminated it would reduce PSE&G's annual Net Income and annual cash inflows by approximately \$30 million to \$40 million.

### **Wholesale Power Market Design**

In December 2022, PJM ran a Base Residual Auction for the Delivery Year 2024-2025 but it has not yet announced the results of the auction. Instead, based on what it observed in the auction, PJM made emergency filings at FERC to change the way in which it calculates the clearing prices for capacity zones under certain circumstances. As a result, PSEG does not yet know the level of capacity payments it may receive in this auction. The filings at FERC are pending and we cannot predict the outcome.

### **Environmental Regulation**

We are subject to liability under environmental laws for the costs and penalties of remediating contamination of property now or formerly owned by us and of property contaminated by hazardous substances that we generated. In particular, the historic operations of PSEG companies and the operations of numerous other companies along the Passaic and Hackensack Rivers are alleged by federal and state agencies to have discharged substantial contamination into the Passaic River/Newark Bay Complex in violation of various statutes. In addition, PSEG Power has retained ownership of certain liabilities excluded from the sale of its fossil generation portfolio, primarily related to obligations under New Jersey and Connecticut state law to investigate and remediate the sites. We are also currently involved in a number of proceedings relating to sites where other hazardous substances may have been discharged and may be subject to additional proceedings in the future, and the costs and penalties of any such remediation efforts could be material.

For further information regarding the matters described above, as well as other matters that may impact our financial condition and results of operations, see Item 8. Note 15. Commitments and Contingent Liabilities.

### **Nuclear**

In April 2021, PSEG Power's Salem 1, Salem 2 and Hope Creek nuclear plants were awarded ZECs for the three-year eligibility period starting June 2022 at the same approximate \$10 per megawatt hour (MWh) received during the prior ZEC period through May 2022. Pursuant to a process established by the BPU, ZECs are purchased from selected nuclear plants and recovered through a non-bypassable distribution charge in the amount of \$0.004 per kilowatt-hour used (which is equivalent to approximately \$10 per MWh generated in payments to selected nuclear plants (ZEC payment)). As previously noted, in August 2022, the IRA was signed into law expanding incentives promoting carbon-free generation. The enacted legislation established the PTC for electricity generation using nuclear energy set to begin in 2024 through 2032. The expected PTC rate is up to \$15/MWh subject to adjustment based upon a facility's gross receipts. The PTC rate and the gross receipts cap are subject to annual inflation adjustments. The U.S. Treasury is expected to clarify the definition of gross receipts prior to when the eligibility period begins in 2024. We are continuing to analyze the impact of the IRA on our nuclear units including additional future guidance from the U.S. Treasury and the impact of PTCs on expected ZEC payments. See Item 8. Note 4. Early Plant Retirements/Asset Dispositions and Impairments for additional information.

### **Current Inflationary Environment**

The current inflationary environment has prompted the Federal Reserve to tighten monetary policy resulting in higher interest rates, which have impacted financial markets, reducing the value of fixed income investments and created uncertainty about the future economic outlook weakening equity markets. These factors have resulted in negative returns on our pension assets during 2022. As our pension costs are set at the beginning of the calendar year, there was no impact on pension costs for 2022 resulting from asset performance during the year. However, pension costs in 2023 will be and future years are expected to be materially impacted from returns on 2022 pension assets. The higher interest rates translate into a higher discount rate for our pension obligations, which lowers our pension liability and positively affects our funded ratio, which remains strong.

In February 2023, PSE&G received an accounting order from the BPU authorizing PSE&G to modify its method for calculating the amortization of the net actuarial gain or loss component of pension expense for ratemaking purposes. This order will mitigate some of the volatility in earnings and customer rates related to our pension trust performance, and is effective for calendar year 2023 and forward. As a result of this order, PSEG's 2023 pension expense, net of amounts capitalized, will be reduced by \$59 million, resulting in a pension credit of \$16 million.

Further, higher interest rates on borrowings will contribute to higher interest expense on variable rate debt, which has increased due to cash collateral postings, and to long-term rates on future financing plans. During September and October 2022, PSEG entered into floating-to-fixed interest rate swaps totaling \$1.05 billion in order to reduce the volatility in interest expense for PSEG Parent's \$500 million variable rate term loan due May 2023 and a portion of PSEG Power's \$1.25 billion variable rate term loan due March 2025. Inflation will also result in upward pressure on operating costs and capital spending.

## **Tax Legislation**

Future federal and state tax legislation and clarification of existing legislation could have a material impact on our effective tax rate and cash tax position.

The IRA enacted a new 15% corporate alternative minimum tax, effective in 2023, a PTC for existing nuclear generation facilities and allows energy tax credits to be transferable. Many aspects of the IRA remain unclear and in need of further guidance; therefore, we cannot determine the impact the IRA will have on PSEG's and PSE&G's results of operations, financial condition and cash flows.

In 2020, the Internal Revenue Service (IRS) issued final and proposed Section 163(j) regulations addressing the limitation on deductible business interest expense, increasing the amount of interest that can be deducted by unregulated businesses in years before 2022. The portion of PSEG's and PSEG Power's business interest expense that was disallowed in 2018 and 2019 is now deductible in those respective years.

Additionally, the federal Coronavirus Aid, Relief, and Economic Security Act (CARES Act) allowed us to carry back the 2018 tax net operating loss (NOL) generated by the final Section 163(j) regulations to 2023. In December 2022, the IRS approved our carry back claim, providing a \$28 million tax benefit.

## **Future Outlook**

Our future success will depend on our ability to continue to maintain strong operational and financial performance to capitalize on or otherwise address regulatory and legislative developments that impact our business and to respond to the issues and challenges described below. In order to do this, we will continue to:

- obtain approval of and execute on our utility capital investment program to modernize our infrastructure, improve the reliability and resilience of the service we provide to our customers, and align our sustainability and climate goals with New Jersey's energy policy,
- seek a fair return for our T&D investments through our transmission formula rate, existing rate incentives, distribution infrastructure and clean energy investment programs and periodic distribution base rate case proceedings,
- focus on controlling costs while maintaining safety, reliability and customer satisfaction and complying with applicable standards and requirements,
- manage the risks and opportunities in federal and state clean energy policies, which is an integral part of our long-term strategy,
- successfully manage our obligations and re-contract our open positions in response to changes in prices and demand,
- advocate for appropriate regulatory guidance on the federal nuclear PTC to ensure long-term support for New Jersey's largest carbon-free generation resource, and adapt our hedging program accordingly,
- engage constructively with our multiple stakeholders, including regulators, government officials, customers, employees, investors, suppliers and the communities in which we do business, and
- deliver on our human capital management strategy to attract, develop and retain a diverse, high-performing workforce.

In addition to the risks described elsewhere in this Form 10-K for 2022 and beyond, the key issues and challenges we expect our business to confront include:

- regulatory and political uncertainty, both with regard to transmission planning and rates policy, the role of distribution utilities and decarbonization impacts, future energy policy, design of energy and capacity markets, and environmental regulation, as well as with respect to the outcome of any legal, regulatory or other proceedings,
- the current inflationary environment and associated volatility in the financial markets, including the impact on our pension fund performance and interest rates on our future financing plans,
- increases in commodity prices and customer rates, which may adversely affect customer collections and future regulatory proceedings,
- the increasing frequency, sophistication and magnitude of cybersecurity attacks against us and our respective vendors and business partners who may have our sensitive information and/or access to our environment, and the increasing frequency and magnitude of physical attacks on electric and gas infrastructure;
- future changes in federal and state tax laws or any other associated tax guidance, and
- the impact of changes in demand, natural gas and electricity prices, and expanded efforts to decarbonize several sectors of the economy.

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We continually assess a broad range of strategic options to maximize long-term shareholder value and address the interests of our multiple stakeholders. We consider a wide variety of factors when determining how and when to efficiently deploy capital, including the performance and prospects of our businesses; returns and the sustainability and predictability of future earnings streams; the views of investors, regulators, public policy initiatives, rating agencies, customers and employees; our existing indebtedness and restrictions it imposes; and tax considerations, among other things. Strategic options available to us include:

- investments in PSE&G, including T&D facilities to enhance reliability, resiliency and modernize the system to meet the growing needs and increasingly higher expectations of customers, and clean energy investments such as CEF-EE, CEF-EV, CEF-ES and Solar,
- continued operation of our nuclear generation facilities that are supported through the PTC through 2032 and can enable certain enhancements to the units as well as potential license extensions,
- investments in regional offshore wind regulated transmission, should New Jersey pursue the development of an offshore network, with returns that provide revenue predictability and reasonable risk-adjusted returns, and
- acquisitions, dispositions, development and other transactions involving our common stock, assets or businesses that could provide value to customers and shareholders.

There can be no assurance, however, that we will successfully develop and execute any of the strategic options noted above, or any additional options we may consider in the future. The execution of any such strategic plan may not have the expected benefits or may have unexpected adverse consequences.

**RESULTS OF OPERATIONS**

	<b>Years Ended December 31,</b>		
	<b>2022</b>	<b>2021</b>	<b>2020</b>
<b>Earnings (Losses)</b>	Millions, except per share data		
PSE&G	\$ 1,565	\$ 1,446	\$ 1,327
PSEG Power & Other (A)(B)	(534)	(2,094)	578
<b>PSEG Net Income (Loss)</b>	<b>\$ 1,031</b>	<b>\$ (648)</b>	<b>\$ 1,905</b>
<b>PSEG Net Income (Loss) Per Share (Diluted)</b>	<b>\$ 2.06</b>	<b>\$ (1.29)</b>	<b>\$ 3.76</b>

(A) PSEG Power & Other results in 2022 include after-tax impairments of \$92 million related to certain Energy Holdings investments and additional adjustments related to the sale of PSEG Power's fossil generation assets. PSEG Power & Other results in 2021 include an after-tax impairment loss and other associated charges, including debt extinguishment costs, of \$2,158 million related to the sale of PSEG Power's fossil generation assets. PSEG Power & Other results in 2020 include an after-tax gain of \$86 million related to the sale of Power's ownership interest in the Yards Creek generation facility. See Item 8. Note 4. Early Plant Retirements/Asset Dispositions and Impairments for additional information.

(B) Other includes after-tax activities at the parent company, PSEG LI and Energy Holdings as well as intercompany eliminations.

PSEG Power's results above include the Nuclear Decommissioning Trust (NDT) Fund activity and the impacts of non-trading commodity mark-to-market (MTM) activity, which consist of the financial impact from positions with future delivery dates.

The variances in our Net Income attributable to changes related to the NDT Fund and MTM are shown in the following table:

	<b>Years Ended December 31,</b>		
	<b>2022</b>	<b>2021</b>	<b>2020</b>
	Millions, after tax		
NDT Fund and Related Activity (A) (B)	\$ (174)	\$ 108	\$ 137
Non-Trading MTM Gains (Losses) (C)	\$ (457)	\$ (446)	\$ (58)

(A) NDT Fund Income (Expense) includes gains and losses on NDT securities which are recorded in Net Gains (Losses) on Trust Investments. See Item 8. Note 11. Trust Investments for additional information. NDT Fund Income (Expense) also includes interest and dividend income and other costs related to the NDT Fund recorded in

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Other Income (Deductions), interest accretion expense on PSEG Power’s nuclear Asset Retirement Obligation (ARO) recorded in Operation & Maintenance (O&M) Expense and the depreciation related to the ARO asset recorded in Depreciation and Amortization (D&A) Expense.

(B) Net of tax (expense) benefit of \$97 million, \$(70) million and \$(94) million for the years ended December 31, 2022, 2021 and 2020, respectively.

(C) Net of tax benefit of \$178 million, \$174 million and \$23 million for the years ended December 31, 2022, 2021 and 2020, respectively.

Net Income in 2022 as compared to a Net Loss in 2021 was driven primarily by

- an impairment loss and related charges taken in 2021 as a result of the sale of the fossil generation assets at PSEG Power (see Item 8. Note 4. Early Plant Retirements/Asset Dispositions and Impairments for additional information),
- higher earnings due to continued investments in T&D programs at PSE&G, and
- the favorable impact of the Conservation Incentive Program (CIP) in 2022 at PSE&G,
- partially offset by net unrealized losses on equity securities in 2022 in the NDT Fund and net realized losses in 2022 as compared to net realized gains in 2021.

Our results of operations are primarily comprised of the results of operations of our principal operating segments, PSE&G and PSEG Power, excluding charges related to intercompany transactions, which are eliminated in consolidation. For additional information on intercompany transactions, see Item 8. Note 26.

Related-Party Transactions.

**PSEG**

	Years Ended December 31,			Increase / (Decrease)		Increase / (Decrease)	
	2022	2021	2020	2022 vs. 2021		2021 vs. 2020	
	Millions			Millions	%	Millions	%
Operating Revenues	\$ 9,800	\$ 9,722	\$ 9,603	\$ 78	1	\$ 119	1
Energy Costs	4,018	3,499	3,056	519	15	443	14
Operation and Maintenance	3,178	3,226	3,115	(48)	(1)	111	4
Depreciation and Amortization	1,100	1,216	1,285	(116)	(10)	(69)	(5)
(Gains) Losses on Asset Dispositions and Impairments	123	2,637	(123)	(2,514)	(95)	2,760	N/A
Income from Equity Method Investments	14	16	14	(2)	(13)	2	14
Net Gains (Losses) on Trust Investments	(265)	194	253	(459)	N/A	(59)	(23)
Other Income (Deductions)	124	98	115	26	27	(17)	(15)
Non-Operating Pension and OPEB Credits (Costs)	376	328	249	48	15	79	32
Loss on Extinguishment of Debt	—	(298)	—	298	N/A	(298)	N/A
Interest Expense	628	571	600	57	10	(29)	(5)
Income Tax (Benefit) Expense	(29)	(441)	396	412	(93)	(837)	N/A

The 2022, 2021 and 2020 amounts in the preceding table for Operating Revenues and O&M costs each include \$516 million, \$511 million and \$520 million, respectively, for PSEG LI’s subsidiary, Long Island Electric Utility Servco, LLC (Servco). These amounts represent the O&M pass-through costs for the Long Island operations, the full reimbursement of which is reflected in Operating Revenues. See Item 8. Note 5. Variable Interest Entities for additional information. The following discussions for PSE&G and PSEG Power provide a detailed explanation of their respective variances.

PSE&G

	Years Ended December 31,			Increase / (Decrease)		Increase / (Decrease)	
	2022	2021	2020	2022 vs. 2021		2021 vs. 2020	
	Millions			Millions	%	Millions	%
Operating Revenues	\$ 7,935	\$ 7,122	\$ 6,608	\$ 813	11	\$ 514	8
Energy Costs	3,270	2,688	2,469	582	22	219	9
Operation and Maintenance	1,838	1,692	1,614	146	9	78	5
Depreciation and Amortization	935	928	887	7	1	41	5
Gain on Asset Dispositions	—	(4)	(1)	4	N/A	(3)	N/A
Net Gains (Losses) on Trust Investments	(2)	2	3	(4)	N/A	(1)	(33)
Other Income (Deductions)	88	88	108	—	—	(20)	(19)
Non-Operating Pension and OPEB Credits (Costs)	281	264	205	17	6	59	29
Interest Expense	427	402	388	25	6	14	4
Income Tax Expense	267	324	240	(57)	(18)	84	35

**Year Ended December 31, 2022 as compared to 2021**

**Operating Revenues** increased \$813 million due to changes in delivery, clause, commodity and other operating revenues.

**Delivery Revenues** increased \$209 million.

- Gas distribution revenues increased \$129 million due primarily to increases of \$55 million from collection of the GSMP in base rates, \$54 million from higher sales volumes and \$18 million in CIP decoupling revenues.
- Electric distribution revenues increased \$47 million due primarily to \$30 million from CIP decoupling revenue and \$20 million from an Energy Strong II rate roll-in.
- Electric distribution and gas distribution revenue requirements were \$28 million higher due primarily to a net decrease in the flowback to customers of excess deferred income tax liabilities and tax repair-related accumulated deferred income taxes, which is offset in Income Tax Expense.
- Transmission revenues increased \$5 million due to an increase in revenue requirements attributable to higher rate base investment, partially offset by the estimated impact of the ROE settlement.

**Clause Revenues** increased \$4 million due primarily to \$35 million in higher Societal Benefits Clause (SBC) collections, partially offset by a \$30 million decrease in Tax Adjustment Credits (TAC) and Green Program Recovery Charge (GPRC) deferrals. The changes in SBC collections and TAC and GPRC deferrals were entirely offset by the amortization of related costs (Regulatory Assets) in O&M, D&A and Interest and Tax Expenses. PSE&G does not earn margin on SBC collections or TAC and GPRC deferrals.

**Commodity Revenues** increased \$551 million due to higher Gas revenues and Electric revenues. The changes in Commodity Revenues for both gas and electric are entirely offset by changes in Energy Costs. PSE&G earns no margin on the provision of basic gas supply service (BGSS) and basic generation service (BGS) to retail customers.

- Gas revenues increased \$393 million due primarily to \$335 million from higher BGSS prices and \$60 million from higher BGSS sales volumes.
- Electric revenues increased \$158 million due primarily to \$140 million from higher BGS sales volumes and \$20 million from higher prices.

**Other Operating Revenues** increased \$49 million due primarily to a \$25 million increase in appliance service revenues, and an \$18 million increase from the Successor Solar Incentive Program (SuSI) and Solar Renewable Energy Credits (SREC) revenues. The changes in SuSI and SREC revenues are entirely offset by changes to Energy Costs.

**Operating Expenses**

**Energy Costs** increased \$582 million. This is entirely offset by changes in Commodity Revenues and Other Operating Revenues.

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**Operation and Maintenance** increased \$146 million due primarily to increases of \$82 million in clause and renewable related expenses, \$45 million in higher operational costs and \$13 million in injuries and damages.

**Depreciation and Amortization** increased \$7 million due primarily to an increase in depreciation due to higher plant placed in service, partially offset by a decrease due to lower transmission depreciation rates effective August 1, 2021 and a decrease in the amortization of Regulatory Assets.

**Non-Operating Pension and OPEB Credits (Costs)** increased \$17 due primarily to a \$51 million decrease in amortization of the net actuarial loss, partially offset by a \$21 million decrease in the expected return on plan assets and a \$13 million increase in interest cost.

**Interest Expense** increased \$25 million due primarily to long-term debt issuances in 2022 and 2021, partially offset by debt maturities in 2021.

**Income Tax Expense** decreased \$57 million due primarily to an increase in flowback of excess deferred income tax benefits, an increase in tax benefits from the CEF program investments, and a decrease in bad debt flow-through tax expense.

**Year Ended December 31, 2021 as compared to 2020**

See Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations in our Annual Report on Form 10-K for the year ended December 31, 2021 as filed with the SEC on February 24, 2022 for information related to the year ended December 31, 2021 as compared to 2020, which information is incorporated herein by reference.

**PSEG Power & Other**

	Years Ended December 31,			Increase / (Decrease)		Increase / (Decrease)	
	2022	2021	2020	2022 vs. 2021		2021 vs. 2020	
	Millions			Millions	%	Millions	%
Operating Revenues	\$ 3,266	\$ 3,767	\$ 4,229	\$ (501)	(13)	\$ (462)	(11)
Energy Costs	2,149	1,978	1,821	171	9	157	9
Operation and Maintenance	1,340	1,534	1,501	(194)	(13)	33	2
Depreciation and Amortization	165	288	398	(123)	(43)	(110)	(28)
(Gains) Losses on Asset Dispositions and Impairments	123	2,641	(122)	(2,518)	(95)	2,763	N/A
Income from Equity Method Investments	14	16	14	(2)	(13)	2	14
Net Gains (Losses) on Trust Investments	(263)	192	250	(455)	N/A	(58)	(23)
Other Income (Deductions)	36	10	7	26	N/A	3	43
Non-Operating Pension and OPEB Credits (Costs)	95	64	44	31	48	20	45
Loss on Extinguishment of Debt	—	(298)	—	298	N/A	(298)	N/A
Interest Expense	201	169	212	32	19	(43)	(20)
Income Tax Expense (Benefit)	(296)	(765)	156	469	(61)	(921)	N/A

**Year Ended December 31, 2022 as compared to 2021**

**Operating Revenues** decreased \$501 million due to changes in generation, gas supply and other operating revenues.

**Generation Revenues** decreased \$1,300 million due primarily to

- a net decrease of \$807 million due primarily to lower volumes sold in the PJM, New England (NE) and New York (NY) regions primarily due to the sale of the fossil generating plants in February 2022, coupled with lower average realized prices in the PJM region, partially offset by higher average realized prices in the NE and NY regions,
- a net decrease of \$234 million in capacity revenue due primarily to the sale of the fossil generating plants coupled with lower capacity prices in the PJM region, partially offset by decreases in capacity expenses due to lower load volumes served,
- a net decrease of \$216 million due primarily to lower volumes of electricity sold under the BGS contracts, partially offset by less transmission services under the BGS contracts that were transferred from the BGS suppliers to the



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Electric Distribution Companies (EDCs) in February 2021,

- a net decrease of \$37 million in ancillary revenues due primarily to the sale of the fossil generating plants, and
- a net decrease of \$24 million in solar revenues due to the sale of the solar plants in June 2021,
- partially offset by a net increase of \$16 million due to lower MTM losses in 2022 as compared to 2021. Of this amount, there was a \$368 million increase due to gains on positions reclassified to realized upon settlement in 2022 as compared to losses in 2021, partially offset by a \$352 million decrease due to changes in forward prices.

**Gas Supply Revenues** increased \$788 million due primarily to

- a net increase of \$481 million in sales under the BGSS contract due primarily to \$419 million from higher prices and \$62 million from higher sales volumes,
- a net increase of \$282 million related to sales to third parties, primarily due to \$248 million from higher sales prices and \$34 million from higher sales volumes, and
- an increase of \$25 million due primarily to changes in forward prices.

### **Operating Expenses**

**Energy Costs** represent the cost of generation, which includes fuel costs for generation as well as purchased energy in the market, and gas purchases to meet PSEG Power's obligation under its BGSS contract with PSE&G. Energy Costs increased \$171 million due to

**Gas costs** increased \$721 million due primarily to

- a net increase of \$478 million related primarily to sales under the BGSS contract, of which \$425 million was due to the higher average cost of gas and \$53 million due to higher send out volumes, and
- a net increase of \$243 million related to sales to third parties, of which \$213 million was due to an increase in the average cost of gas and \$30 million to higher volumes sold.

**Generation costs** decreased \$550 million due primarily to

- a net decrease of \$413 million in fuel costs, due primarily to lower volumes of gas used in the PJM, NY, and NE regions caused by the sale of the fossil generating plants, partially offset by higher gas prices. Additionally, there was a decrease in coal costs in the NE region due to the retirement of the Bridgeport Harbor 3 (BH3) plant in 2021,
- a net decrease of \$142 million in energy purchases due primarily to lower renewable energy credit (REC) requirements and lower ancillary charges caused by decreases in load served in the PJM and NE regions,
- a net decrease of \$33 million in emission costs due to the sale of the fossil generating plants, and
- a net decrease of \$17 million in transmission costs due primarily to the impact from transfer of responsibility for firm transmission services under BGS contracts from BGS suppliers to the EDCs,
- partially offset by a net increase of \$56 million due to net MTM losses in 2022 as compared to net MTM gains in 2021. Of this amount, there was a \$42 million increase due to positions reclassified to realized upon settlement in 2022 as compared to 2021, coupled with a \$15 million increase due to changes in forward prices.

**Operation and Maintenance** decreased \$194 million due primarily to the sale of the fossil generating plants in February 2022 and the sale of our ownership interest in the solar plants in June 2021.

**Depreciation and Amortization** decreased \$123 million due primarily to ceasing depreciation expense on the then pending sales of the solar and fossil generating plants since May and August 2021, respectively, and the retirement of BH3 in 2021, partially offset by higher depreciation related to an increase in the nuclear AROs in 2021.

**(Gains) Losses on Asset Dispositions and Impairments** The \$123 million loss in 2022 reflects an impairment loss of \$50 million due to the sale of the fossil generating plants in February 2022, partially offset by a \$5 million gain on a land sale at PSEG Power and pre-tax impairments of \$78 million at Energy Holdings related to one of its domestic energy generating facilities and its real estate assets. The \$2,641 million net loss in 2021 reflects impairment losses due to the sale of the fossil generating plants and other impairments, partially offset by a \$63 million gain from the sale of PSEG Solar Source (Solar Source) in 2021. See Item 8. Note 4. Early Plant Retirements/Asset Dispositions and Impairments.

**Net Gains (Losses) on Trust Investments** decreased \$455 million due primarily to NDT investments with an increase of \$224 million of net unrealized losses on equity securities as compared to 2021 and \$50 million of net realized losses in 2022 as compared to \$166 million of net realized gains in 2021.

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**Other Income (Deductions)** increased \$26 million due primarily to lower donations at the parent company.

**Non-Operating Pension and OPEB Credits (Costs)** increased \$31 million due to a \$22 million decrease in the amortization of the net actuarial loss and a \$29 million increase in the expected return on plan assets, partially offset by an \$18 million increase in interest cost and \$2 million in co-owner charges.

**Loss on Extinguishment of Debt** represents a loss incurred in 2021 for a make whole premium that was payable upon early redemption of all outstanding PSEG Power Senior Notes and other non-cash debt extinguishment costs.

**Interest Expense** increased \$32 million due primarily to increases from issuances of term loans at PSEG Power and term loans and commercial paper at the parent company, partially offset by the early redemption of all outstanding PSEG Power debt obligations in 2021.

**Income Tax Benefit** decreased \$469 million due primarily to a lower pre-tax loss in 2022, partially offset by the recapture of investment tax credits (ITCs) related to the sale of Solar Source in 2021, increased tax benefits on losses from the NDT qualified fund in 2022, and the tax benefit of PSEG's federal 2018 carryback claim in 2022.

**Year Ended December 31, 2021 as compared to 2020**

**Operating Revenues** decreased \$462 million due to changes in generation, gas supply and other operating revenues.

**Generation Revenues** decreased \$668 million due primarily to

- a net decrease of \$606 million due to higher MTM losses in 2021 as compared to 2020. Of this amount, there was a \$624 million decrease due to changes in forward prices, partially offset by an \$18 million increase due to less losses on positions reclassified to realized upon settlement in 2021,
- a net decrease of \$288 million due primarily to \$201 million from lower volumes of electricity sold under the BGS contracts, coupled with an \$87 million impact from the transfer of responsibility for firm transmission services from BGS suppliers to the EDCs, and
- a net decrease of \$29 million in solar revenues due to the sale of the solar plants in June 2021,
- partially offset by a net increase of \$188 million due primarily to higher average realized prices and higher volumes sold in the PJM, NE and NY regions, and
- a net increase of \$64 million in capacity revenues due primarily to increases in auction prices, coupled with decreases in capacity charges due to lower BGS and other load obligations in the PJM region, partially offset by lower capacity prices and the retirement of the BH3 coal plant in the NE region.

**Gas Supply Revenues** increased \$182 million due primarily to

- a net increase of \$106 million in sales under the BGSS contract due primarily to higher prices of \$72 million and higher sales volumes of \$34 million, and
- a net increase of \$74 million related to sales to third parties, of which \$90 million was due to higher average sales prices, partially offset by \$16 million due to lower volumes sold.

**Operating Expenses**

**Energy Costs** represent the cost of generation, which includes fuel costs for generation as well as purchased energy in the market, and gas purchases to meet PSEG Power's obligation under its BGSS contract with PSE&G. Energy Costs increased \$157 million due to

**Generation costs** decreased \$13 million due primarily to

- a net decrease of \$147 million in transmission costs due primarily to an \$87 million impact from the transfer of responsibility for firm transmission services under BGS contracts from BGS suppliers to the EDCs, coupled with a \$60 million decrease in other transmission costs, mainly from lower volumes of electricity sold under the BGS contracts, and
- a net decrease of \$66 million due to higher net MTM gains in 2021. Of this amount, there was a \$52 million decrease due to changes in forward prices, coupled with a \$14 million decrease due to more gains on positions reclassified to realized upon settlement in 2021,
- partially offset by a net increase of \$157 million in fuel costs, reflecting higher gas prices and higher volumes in the PJM, NY, and NE regions, and
- a net increase of \$42 million in energy purchases due primarily to an increase in purchased volumes in the PJM region to meet physical energy sales. This was partially offset by a decrease in REC requirements caused by decreases in load served in the PJM region.

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**Gas costs** increased \$170 million due primarily to

- a net increase of \$103 million in costs related to sales under the BGSS contract, of which \$74 million was due to the higher average cost of gas and \$29 million to higher send out volumes. Included in the 2020 average cost of gas were \$18 million of interstate gas pipeline refunds due to a settlement on pipeline rates from prior periods, and
- a net increase of \$67 million related to sales to third parties, of which \$81 million was due to an increase in the average cost of gas, partially offset by a decrease of \$14 million due to lower volumes sold.

**Operation and Maintenance** increased \$33 million due primarily to a refueling outage in 2021 at our 100%-owned Hope Creek nuclear plant as compared to an outage in 2020 at our 57%-owned Salem 2 nuclear plant and severance costs related to the sale of the fossil generating plants, partially offset by lower costs in 2021 due to the sale of our ownership interest in the solar plants in June 2021.

**Depreciation and Amortization** decreased \$110 million due primarily to ceasing depreciation expense on the solar and fossil generating plants since May and August, 2021, respectively, and the retirement of BH3 in 2021.

**(Gains) Losses on Asset Dispositions and Impairments** The loss in 2021 primarily reflects a \$2,691 million impairment due to the sale of the fossil generating plants and other impairments, partially offset by a \$63 million gain from the sale of the solar plants. The \$122 million gain in 2020 was due to the sale of our ownership interest in the Yards Creek generation facility. See Item 8. Note 4. Early Plant Retirements/Asset Dispositions and Impairments.

**Net Gains (Losses) on Trust Investments** decreased \$58 million due primarily to a \$101 million decrease in net unrealized gains on equity investments in the NDT Fund, partially offset by a \$46 million increase in net realized gains on NDT Fund investments.

**Other Income (Deductions)** increased \$3 million due primarily to less purchases of NOL tax benefits under the New Jersey Technology Tax Benefit Transfer Program at the parent company and higher interest and dividend income on NDT Fund investments in 2021, partially offset by higher donations at the parent company.

**Non-Operating Pension and OPEB Credits (Costs)** increased \$20 million due to a \$19 million decrease in interest cost and a \$9 million increase in the expected return on plan assets, partially offset by a \$5 million increase in the amortization of net prior service cost and net actuarial loss and \$3 million in co-owner charges.

**Loss on Extinguishment of Debt** represents a loss incurred in 2021 for a make whole premium that was payable upon early redemption of all remaining outstanding Senior Notes and other non-cash debt extinguishment costs.

**Interest Expense** decreased \$43 million due primarily to the early redemption of all remaining outstanding debt obligations of PSEG Power in October 2021.

**Income Tax Expense** decreased \$921 million due primarily to lower pre-tax income in 2021, partially offset by the recapture of ITCs related to the sale of the solar plants in 2021, the tax benefit in 2020 from changes in uncertain tax positions as a result of the settlement of the 2011-2016 federal income tax audits, and the purchase of less New Jersey NOL tax benefits in 2021.

## **LIQUIDITY AND CAPITAL RESOURCES**

The following discussion of our liquidity and capital resources is on a consolidated basis, noting the uses and contributions, where material, of our two direct major operating subsidiaries.

### **Financing Methodology**

We expect our capital requirements to be met through internally generated cash flows and external financings, consisting of short-term debt for working capital needs and long-term debt for capital investments.

PSE&G's sources of external liquidity include a \$1 billion multi-year revolving credit facility. PSE&G uses internally generated cash flow and its commercial paper program to meet seasonal, intra-month and temporary working capital needs. PSE&G does not engage in any intercompany borrowing or lending arrangements. PSE&G maintains back-up credit facilities in an amount sufficient to cover the commercial paper and letters of credit outstanding. PSE&G's dividend payments to/capital contributions from PSEG are consistent with its capital structure objectives which have been established to maintain investment grade credit ratings. PSE&G's long-term financing plan is designed to replace maturities, fund a portion of its capital program and manage short-term debt balances. Generally, PSE&G uses either secured medium-term notes or first mortgage bonds to raise long-term capital.

PSEG, PSEG Power, Energy Holdings, PSEG LI and Services participate in a corporate money pool, an aggregation of daily cash balances designed to efficiently manage their respective short-term liquidity needs, which are accounted for as intercompany loans. Long Island Electric Utility Servco, LLC (Servco) does not participate in the corporate money pool. Servco's short-term liquidity needs are met through an account funded and owned by LIPA.

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PSEG and PSEG Power have access through sub-limits to a revolving Master Credit Facility, which provides for \$2.75 billion of multi-year credit capacity. The current PSEG sub-limit is \$1.5 billion and current PSEG Power sub-limit is \$1.25 billion. Sub-limits can be adjusted subject to the terms of the Master Credit Facility.

PSEG's available sources of external liquidity may include the issuance of long-term debt securities and the incurrence of additional indebtedness through our commercial paper program back-stopped by our credit facilities. Our current sources of external liquidity include the Master Credit Facility. This facility is available to back-stop PSEG's commercial paper program, issue letters of credit and for general corporate purposes. PSEG's Master Credit Facility and the commercial paper program are available to support PSEG's working capital needs and are also available to make equity contributions or provide liquidity support to its subsidiaries. Additionally, from time to time, PSEG enters into short-term loan agreements designed to enhance its liquidity position.

PSEG Power's sources of external liquidity include the Master Credit Facility and PSEG Power's letter of credit facilities. Credit capacity is primarily used to provide collateral in support of PSEG Power's forward energy sale and forward fuel purchase contracts as the market prices for energy and fuel fluctuate, and to meet potential collateral postings in the event that PSEG Power is downgraded to below investment grade by Standard & Poor's (S&P) or Moody's. PSEG Power's dividend payments to PSEG are also designed to be consistent with its capital structure objectives which have been established to maintain investment grade credit ratings and provide sufficient financial flexibility.

### **Operating Cash Flows**

We continue to expect our operating cash flows combined with cash on hand and financing activities to be sufficient to fund planned capital expenditures and shareholder dividends.

For the year ended December 31, 2022, our operating cash flow decreased \$233 million. The net decrease was primarily due to the sale of the fossil generation plants in February 2022, and a \$244 million increase in payments to counterparties at PSEG Power and the net change at PSE&G, as discussed below. In addition, there were tax payments in 2022 as compared to tax refunds in 2021 at the parent company.

### **PSE&G**

PSE&G's operating cash flow increased \$304 million from \$1,724 million to \$2,028 million for the year ended December 31, 2022, as compared to 2021, due primarily to decreases in vendor and electric energy payments, lower tax payments, higher earnings in 2022, and an increase in cash collateral postings received from BGS suppliers. This was partially offset by an increase in net accounts receivable due to ongoing delayed collections as a result of COVID-19 moratoriums in 2022, increases in materials and supplies to support our electric AMI program as well as an increase in material purchases in 2022 due to easing of prior year supply chain shortages, and a net increase in regulatory deferrals in 2022.

### **Short-Term Liquidity**

PSEG meets its short-term liquidity requirements, as well as those of PSEG Power, primarily through the issuance of commercial paper and, from time to time, short-term loans. PSE&G maintains its own separate commercial paper program to meet its short-term liquidity requirements. Each commercial paper program is fully back-stopped by its own separate credit facility.

Each of our credit facilities is restricted as to availability and use to the specific companies as listed below; however, if necessary, the PSEG facilities can also be used to support our subsidiaries' liquidity needs.

During the second half of 2021 and continuing throughout 2022, forward energy prices have demonstrated considerable price volatility and have increased dramatically. This has led to significantly higher variation in our daily collateral requirements which have also increased substantially over that time period for hedge positions that are out-of-the money. PSEG Power's net cash collateral postings related to these hedge positions increased from \$343 million at the end of June 2021 to \$1.5 billion at the end of December. Subsequent to December 2022, collateral postings have decreased but PSEG Power continued to experience significant fluctuations in its daily collateral requirements. Net cash collateral postings were approximately \$700 million on February 17, 2023. While currently off their highs experienced during 2022, collateral postings could remain volatile into 2023. However, as historical lower-priced trades continue to settle through 2024, collateral is expected to be returned as we satisfy our obligations under those contracts. Proceeds from the sale of Fossil, the closing of a \$1.25 billion term loan in March 2022 at PSEG Power, and short-term borrowings at PSEG have contributed to available liquidity to help support PSEG Power's collateral requirements in 2022.

In March and May 2021, PSEG entered into two 364-day variable rate term loan agreements for \$500 million and \$750 million, respectively. In August 2021, PSEG entered into a \$1.25 billion, 364-day variable rate term loan agreement. In March 2022, the \$500 million term loan matured and PSEG repaid the \$750 million term loan due in May 2022. In July 2022, PSEG repaid the \$1.25 billion term loan due in August 2022.

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In April 2022 and May 2022, PSEG entered into 364-day variable rate term loan agreements for \$1.5 billion and \$500 million, respectively. In January 2023, PSEG repaid \$750 million of the \$1.5 billion term loan due in April 2023. These term loans are not included in the credit facility amounts presented in the following table.

Our total committed credit facilities and available liquidity as of December 31, 2022 were as follows:

Company/Facility	As of December 31, 2022		
	Total Facility	Usage	Available Liquidity
	Millions		
PSEG	\$ 1,500	\$ 202	\$ 1,298
PSE&G	1,000	18	982
PSEG Power	1,650	241	1,409
<b>Total</b>	<b>\$ 4,150</b>	<b>\$ 461</b>	<b>\$ 3,689</b>

For additional information, see Item 8. Note 16. Debt and Credit Facilities.

We continually monitor our liquidity and seek to add capacity as needed to meet our liquidity requirements, including to satisfy any additional collateral requirements. As of December 31, 2022, our liquidity position, including our credit facilities and access to external financing, was expected to be sufficient to meet our projected stressed requirements over our 12 month planning horizon. PSEG analyzes its liquidity requirements using stress scenarios that consider different events, including changes in commodity prices and the potential impact of PSEG Power losing its investment grade credit rating from S&P or Moody's, which would represent a two level downgrade from its current Moody's and S&P ratings. In the event of a deterioration of PSEG Power's credit rating, certain of PSEG Power's agreements allow the counterparty to demand further performance assurance. The potential additional collateral that we would be required to post under these agreements if PSEG Power were to lose its investment grade credit rating was approximately \$878 million and \$1,151 million as of December 31, 2022 and 2021, respectively. See Item 8. Note 15. Commitments and Contingent Liabilities for additional discussion of PSEG Power's agreements.

#### Long-Term Debt Financing

During the next twelve months,

- PSEG has \$750 million of 0.841% Senior Notes due November 2023,
- PSE&G has \$500 million of 2.38% of Medium-Term Notes Series I, due May 2023, and
- PSE&G has \$325 million of 3.25% of Medium-Term Notes, Series M, due September 2023.

For additional information, see Item 8. Note 16. Debt and Credit Facilities.

#### NDT Fund Obligation

The NRC requires a biennial filing of the NDT fund balances against the decommissioning liability estimate. Any funding shortfalls are required to be cured prior to the next NDT reporting period. The current market downturn associated with inflation and rising interest rates is not currently expected to result in any supplemental required funding of the NDT Fund.

#### Debt Covenants

Our credit agreements contain maximum debt to equity ratios and other restrictive covenants and conditions to borrowing. We are currently in compliance with all of our debt covenants. Continued compliance with applicable financial covenants will depend upon our future financial position, level of earnings and cash flows, as to which no assurances can be given.

In addition, under its First and Refunding Mortgage (Mortgage), PSE&G may issue new First and Refunding Mortgage Bonds against previous additions and improvements, provided that its ratio of earnings to fixed charges calculated in accordance with its Mortgage is at least 2 to 1, and/or against retired Mortgage Bonds. As of December 31, 2022, PSE&G's Mortgage coverage ratio was 3.4 to 1 and the Mortgage would permit up to approximately \$7.8 billion aggregate principal amount of new Mortgage Bonds to be issued against additions and improvements to its property.

#### Default Provisions

Our bank credit agreements and indentures contain various, customary default provisions that could result in the potential acceleration of indebtedness under the defaulting company's agreement.

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In particular, PSEG’s bank credit agreements contain provisions under which certain events, including an acceleration of material indebtedness under PSE&G’s and PSEG Power’s respective financing agreements, a failure by PSE&G or PSEG Power to satisfy certain final judgments and certain bankruptcy events by PSE&G or PSEG Power, would constitute an event of default under the PSEG bank credit agreements. Under the PSEG bank credit agreements, it would also be an event of default if either PSE&G or PSEG Power ceases to be wholly owned by PSEG. The PSE&G and PSEG Power bank credit agreements include similar default provisions; however, such provisions only relate to the respective borrower under such agreement and its subsidiaries and do not contain cross default provisions to each other. The PSE&G and PSEG Power bank credit agreements do not include cross default provisions relating to PSEG. Each of PSE&G’s and PSEG Power’s bank credit agreements also contain limitations on the incurrence of liens by it and certain of its subsidiaries and PSEG Power’s bank credit agreements contain restrictions on the incurrence of certain subsidiary debt.

PSEG’s existing notes include a cross acceleration provision that may be triggered upon the acceleration of more than \$75 million of indebtedness incurred by PSEG. Such provision does not extend to an acceleration of indebtedness by any of PSEG’s subsidiaries. Under PSE&G’s medium-term note indenture, an event of default under PSE&G’s mortgage indenture and acceleration of the mortgage bonds would constitute an event of default.

### Ratings Triggers

Our debt indentures and credit agreements do not contain any material “ratings triggers” that would cause an acceleration of the required interest and principal payments in the event of a ratings downgrade. However, in the event of a downgrade, any one or more of the affected companies may be subject to increased interest costs on certain bank debt and certain collateral requirements. In the event that we are not able to affirm representations and warranties on credit agreements, lenders would not be required to make loans.

In accordance with BPU requirements under the BGS contracts, PSE&G is required to maintain an investment grade credit rating. If PSE&G were to lose its investment grade rating, it would be required to file a plan to assure continued payment for the BGS requirements of its customers.

Fluctuations in commodity prices or a deterioration of PSEG Power’s credit rating to below investment grade could increase PSEG Power’s required margin postings under various agreements entered into in the normal course of business. PSEG Power believes it has sufficient liquidity to meet the required posting of collateral which would result from a credit rating downgrade to below investment grade by S&P or Moody’s at today’s market prices.

### Common Stock Dividends

Dividend Payments on Common Stock	Years Ended December 31,		
	2022	2021	2020
Per Share	\$ 2.16	\$ 2.04	\$ 1.96
in Millions	\$ 1,079	\$ 1,031	\$ 991

On February 14, 2023, our Board of Directors approved a \$0.57 per share common stock dividend for the first quarter of 2023. This reflects an indicative annual dividend rate of \$2.28 per share. We expect to continue to pay cash dividends on our common stock; however, the declaration and payment of future dividends to holders of our common stock will be at the discretion of the Board of Directors and will depend upon many factors, including our financial condition, earnings, capital requirements of our businesses, alternate investment opportunities, legal requirements, regulatory constraints, industry practice and other factors that the Board of Directors deems relevant. For additional information related to cash dividends on our common stock, see Item 8. Note 24. Earnings Per Share (EPS) and Dividends.

### Credit Ratings

If the rating agencies lower or withdraw our credit ratings, such revisions may adversely affect the market price of our securities and serve to materially increase our cost of capital and limit access to capital. Credit Ratings shown are for securities that we typically issue. Outlooks are shown for the credit ratings at each entity and can be Stable, Negative, or Positive. There is no assurance that the ratings will continue for any given period of time or that they will not be revised by the rating agencies, if in their respective judgments, circumstances warrant. Each rating given by an agency should be evaluated independently of the other agencies’ ratings. The ratings should not be construed as an indication to buy, hold or sell any security.

	<u>Moody's (A)</u>	<u>S&amp;P (B)</u>
<b>PSEG</b>		
Outlook	<b>Stable</b>	<b>Stable</b>
Senior Notes	Baa2	BBB
Commercial Paper	P2	A2
<b>PSE&amp;G</b>		
Outlook	<b>Stable</b>	<b>Stable</b>
Mortgage Bonds	A1	A
Commercial Paper	P2	A2
<b>PSEG Power</b>		
Outlook	<b>Stable</b>	<b>Stable</b>
Issuer Rating	Baa2	BBB

- (A) Moody's ratings range from Aaa (highest) to C (lowest) for long-term securities and P1 (highest) to NP (lowest) for short-term securities.  
 (B) S&P ratings range from AAA (highest) to D (lowest) for long-term securities and A1 (highest) to D (lowest) for short-term securities.

### Other Comprehensive Income

For the year ended December 31, 2022, we had Other Comprehensive Loss of \$200 million on a consolidated basis. The Other Comprehensive Loss was due primarily to \$132 million of net unrealized losses related to Available-for-Sale Debt Securities, and a decrease of \$71 million related to pension and other postretirement benefits, partially offset by \$3 million of unrealized gains on derivative contracts accounted for as hedges. See Item 8. Note 23. Accumulated Other Comprehensive Income (Loss), Net of Tax for additional information.

### CAPITAL REQUIREMENTS

We expect that all of our capital requirements over the next three years will come from a combination of internally generated funds and external debt financing. Projected capital construction and investment expenditures, excluding nuclear fuel purchases, for the next three years are presented in the following table. These projections include Allowance for Funds Used During Construction for PSE&G and Interest Capitalized During Construction for PSEG's other subsidiaries. These amounts are subject to change, based on various factors. Amounts shown below for PSE&G include currently approved programs. We intend to continue to invest in infrastructure modernization and will seek to extend these and related programs as appropriate.

	<u>2023</u>	<u>2024</u>	<u>2025</u>
	Millions		
<b>PSE&amp;G:</b>			
Transmission	\$ 725	\$ 490	\$ 545
Electric Distribution	1,270	960	840
Gas Distribution	1,140	925	1,035
Clean Energy	340	510	465
<b>Total PSE&amp;G</b>	<b>\$ 3,475</b>	<b>\$ 2,885</b>	<b>\$ 2,885</b>
<b>Other</b>	165	165	170
<b>Total PSEG</b>	<b>\$ 3,640</b>	<b>\$ 3,050</b>	<b>\$ 3,055</b>

### PSE&G

PSE&G's projections for future capital expenditures include material additions and replacements to its T&D systems to meet expected growth and to manage reliability. As project scope and cost estimates develop, PSE&G will modify its current projections to include these required investments. PSE&G's projected expenditures for the various items reported above are primarily comprised of the following:

- Transmission—investments focused on reliability improvements and replacement of aging infrastructure.
- Electric and Gas Distribution—investments for new business, reliability improvements, flood mitigation, and

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modernization and replacement of equipment that has reached the end of its useful life.

- Clean Energy—investments associated with customer EE programs, infrastructure supporting EVs and grid-connected solar.

In 2022, PSE&G made \$2,590 million of capital expenditures, primarily for T&D system reliability. This does not include expenditures for EE and EV programs of approximately \$286 million and cost of removal, net of salvage, of \$129 million, which are included in operating cash flows.

**Other**

PSEG’s other projected expenditures are primarily comprised of investments to maintain and enhance current nuclear operations and opportunities to increase nuclear generation at PSEG Power and to purchase software and office equipment at Services.

In 2022, PSEG’s other capital expenditures were \$105 million, excluding \$193 million for nuclear fuel, primarily related to various nuclear projects at PSEG Power.

**Other Material Cash Requirements**

The following table reflects our other material cash requirements which include debt maturities and interest payments, operating lease payments and energy related purchase commitments in the respective periods in which they are due. For additional information, see Item 8. Note 16. Debt and Credit Facilities, Note 8. Leases and Note 15. Commitments and Contingent Liabilities.

The table below does not reflect any anticipated cash payments for pension and OPEB or AROs due to uncertain timing of payments. See Item 8. Note 14. Pension and Other Postretirement Benefits (OPEB) and Savings Plans and Note 13. Asset Retirement Obligations (AROs) for additional information.

	<b>Total Amount Committed</b>	<b>Less Than 1 Year</b>	<b>2 - 3 Years</b>	<b>4 - 5 Years</b>	<b>Over 5 Years</b>
	Millions				
<b>Long-Term Recourse Debt Maturities</b>					
PSEG	\$ 4,146	\$ 750	\$ 1,300	\$ 700	\$ 1,396
PSE&G	12,790	825	1,100	1,300	9,565
PSEG Power	1,250	—	1,250	—	—
<b>Interest on Recourse Debt</b>					
PSEG	563	109	172	153	129
PSE&G	6,694	436	805	746	4,707
PSEG Power	131	60	71	—	—
<b>Operating Leases</b>					
PSE&G	109	15	22	16	56
Other	126	20	31	31	44
<b>Energy-Related Purchase Commitments</b>					
PSEG Power	2,415	776	935	505	199
<b>Total</b>	<b>\$ 28,224</b>	<b>\$ 2,991</b>	<b>\$ 5,686</b>	<b>\$ 3,451</b>	<b>\$ 16,096</b>

**CRITICAL ACCOUNTING ESTIMATES**

Under accounting guidance generally accepted in the United States (GAAP), many accounting standards require the use of estimates, variable inputs and assumptions (collectively referred to as estimates) that are subjective in nature. Because of this, differences between the actual measure realized versus the estimate can have a material impact on results of operations, financial position and cash flows. We have determined that the following estimates are considered critical to the application of rules that relate to the respective businesses.

**Accounting for Pensions and Other Postretirement Benefits (OPEB)**

The market-related value of plan assets held for the qualified pension and OPEB plans is equal to the fair value of these assets as of year-end. The plan assets are comprised of investments in both debt and equity securities which are valued using quoted market prices, broker or dealer quotations, or alternative pricing sources with reasonable levels of price transparency. Plan



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assets also include investments in unlisted real estate which is valued via third-party appraisals. We calculate pension and OPEB costs using various economic and demographic assumptions.

**Assumptions and Approach Used:** Economic assumptions include the discount rate and the long-term rate of return on trust assets. Demographic pension and OPEB assumptions include projections of future mortality rates, pay increases and retirement patterns, as well as projected health care costs for OPEB.

<b>Assumption</b>	<b>2022</b>	<b>2021</b>	<b>2020</b>
<b>Pension</b>			
Discount Rate	5.20 %	2.94 %	2.61 %
Expected Rate of Return on Plan Assets	7.20 %	7.70 %	7.70 %
<b>OPEB</b>			
Discount Rate	5.16 %	2.82 %	2.46 %
Expected Rate of Return on Plan Assets	7.20 %	7.69 %	7.70 %

The discount rate used to calculate pension and OPEB obligations is determined as of December 31 each year, our measurement date. The discount rate is determined by developing a spot rate curve based on the yield to maturity of a universe of high quality corporate bonds with similar maturities to the plan obligations. The spot rates are used to discount the estimated plan distributions. The discount rate is the single equivalent rate that produces the same result as the full spot rate curve.

Our expected rate of return on plan assets reflects current asset allocations, historical long-term investment performance and an estimate of future long-term returns by asset class, long-term inflation assumptions and a premium for active management.

We utilize a corridor approach that reduces the volatility of reported costs/credits. The corridor requires differences between actuarial assumptions and plan results be deferred and amortized as part of the costs/credits. This occurs only when the accumulated differences exceed 10% of the greater of the benefit obligation or the fair value of plan assets as of each year-end. For one of PSEG's qualified pension plans, the excess would be amortized over the average remaining expected life of inactive participants, which is approximately eighteen years. For PSEG's other qualified pension plan, the excess would be amortized over the average remaining service period of active employees, which is approximately fourteen years.

**Effect if Different Assumptions Used:** As part of the business planning process, we have modeled future costs assuming an 8.10% expected rate of return and a 5.20% discount rate for 2023 pension costs/credits and a 5.16% discount rate for 2023 OPEB costs/credits. The 8.10% expected rate of return on assets for 2023 has increased as compared to 2022, as increasing interest rates during 2022 were a significant contributor to the reduction in pension assets during the year and drove the increase in the expected rate of return. Based upon these assumptions, we have estimated a net periodic pension expense in 2023 of approximately \$21 million, or a net periodic pension credit of \$16 million, net of amounts capitalized, and a net periodic OPEB credit in 2023 of approximately \$43 million, or \$44 million, net of amounts capitalized. Our 2023 net periodic pension amounts include the impact of the accounting order approved by the BPU authorizing PSE&G to modify its pension accounting for ratemaking purposes. See a discussion in Item 7. MD&A—Executive Overview of 2022 and Future Outlook for further details. Actual future pension costs/credits and funding levels will depend on future investment performance, changes in discount rates, market conditions, funding levels relative to our projected benefit obligation and accumulated benefit obligation and various other factors related to the populations participating in the pension plans. Actual future OPEB costs/credits will depend on future investment performance, changes in discount rates, market conditions, and various other factors.

The following chart reflects the sensitivities associated with a change in certain assumptions. The effects of the assumption changes shown below solely reflect the impact of that specific assumption.

<b>Assumption</b>	<b>% Change</b>	<b>Impact on Benefit Obligation as of December 31, 2022</b>	<b>Increase to Costs in 2023</b>	<b>Increase to Costs, net of Amounts Capitalized in 2023</b>
Millions				
<b>Pension</b>				
Discount Rate	(1)%	\$ 619	\$ 24	\$ 17
Expected Rate of Return on Plan Assets	(1)%	N/A	\$ 47	\$ 47
<b>OPEB</b>				
Discount Rate	(1)%	\$ 79	\$ 11	\$ 11
Expected Rate of Return on Plan Assets	(1)%	N/A	\$ 4	\$ 4

See Item 7A. Quantitative and Qualitative Disclosures About Market Risk for additional information.

## Derivative Instruments

The operations of PSEG, PSEG Power and PSE&G are exposed to market risks from changes in commodity prices, interest rates and equity prices that could affect their results of operations and financial condition. Exposure to these risks is managed through normal operating and financing activities and, when appropriate, through executing derivative transactions. Derivative instruments are used to create a relationship in which changes to the value of the assets, liabilities or anticipated transactions exposed to market risks are expected to be offset by changes in the value of these derivative instruments.

Current accounting guidance requires us to recognize all derivatives on the balance sheet at their fair value, except for derivatives that qualify for and are designated as normal purchases and normal sales contracts.

**Assumptions and Approach Used:** In general, the fair value of our derivative instruments is determined primarily by end of day clearing market prices from an exchange, such as the New York Mercantile Exchange, Intercontinental Exchange and Nodal Exchange, or auction prices.

For a small number of contracts where limited observable inputs or pricing information are available, modeling techniques are employed in determination of their fair value using assumptions reflective of contractual terms, current market rates, forward price curves, discount rates and risk factors, as applicable.

For our wholesale energy business, many of the forward sale, forward purchase, option and other contracts are derivative instruments that hedge commodity price risk, but do not meet the requirements for, or are not designated as, either cash flow or fair value hedge accounting. The changes in value of such derivative contracts are marked to market through earnings as the related commodity prices fluctuate. As a result, our earnings may experience significant fluctuations depending on the volatility of commodity prices.

**Effect if Different Assumptions Used:** Any significant changes to the fair market values of our derivatives instruments could result in a material change in the value of the assets or liabilities recorded on our Consolidated Balance Sheets and could result in a material change to the unrealized gains or losses recorded in our Consolidated Statements of Operations.

For additional information regarding Derivative Financial Instruments, see Item 8. Note 1. Organization, Basis of Presentation and Significant Accounting Policies, Note 18. Financial Risk Management Activities and Note 19. Fair Value Measurements.

## Long-Lived Assets

Management evaluates long-lived assets for impairment and reassesses the reasonableness of their related estimated useful lives whenever events or changes in circumstances warrant assessment. Such events or changes in circumstances may be as a result of significant adverse changes in regulation, business climate, counterparty credit worthiness, market conditions, or a determination that it is more-likely-than-not that an asset or asset group will be sold or retired before the end of its estimated useful life.

**Assumptions and Approach Used:** In the event certain triggers exist indicating an asset/asset group may not be recoverable, an undiscounted cash flow test is performed to determine if an impairment exists. When the carrying value of a long-lived asset/asset group exceeds the undiscounted estimate of future cash flows associated with the asset/asset group, an impairment may exist to the extent that the fair value of the asset/asset group is less than its carrying amount.

For PSEG Power, cash flows for long-lived assets and asset groups are determined at the lowest level for which identifiable cash flows are largely independent of the cash flows of other assets and liabilities. The cash flows from the nuclear generation units are evaluated at the portfolio level. These tests require significant estimates and judgment when developing expected future cash flows. Significant inputs may include, but are not limited to, forward power prices, expected PTC payments, ZEC payments for the New Jersey nuclear assets, fuel costs, other operating and capital expenditures, the cost of borrowing and asset sale prices and probabilities associated with any potential sale prior to the end of the estimated useful life or the early retirement of assets. The assumptions used by management incorporate inherent uncertainties that are at times difficult to predict and could result in impairment charges or accelerated depreciation in future periods if actual results materially differ from the estimated assumptions utilized in our forecasts.

In addition, long-lived assets are depreciated under the straight-line method based on estimated useful lives. An asset's operating useful life is generally based upon operational experience with similar asset types and other non-operational factors. In the ordinary course, management, together with an asset's co-owners in the case of certain of our jointly-owned assets, makes a number of decisions that impact the operation of our generation assets beyond the current year. These decisions may have a direct impact on the estimated remaining useful lives of our assets and will be influenced by the financial outlook of the assets, including future market conditions such as forward energy and capacity prices, operating and capital investment costs and any state or federal legislation and regulations, among other items.

**Effect if Different Assumptions Used:** The above cash flow tests, and fair value estimates and estimated remaining useful lives may be impacted by a change in the assumptions noted above and could significantly impact the outcome, triggering additional impairment tests, write-offs or accelerated depreciation. For additional information on the potential impacts on our future

financial statements that may be caused by a change in the assumptions noted above, see Item 8. Note 4. Early Plant Retirements/Asset Dispositions and Impairments.

#### **Asset Retirement Obligations (ARO)**

PSE&G, PSEG Power and Services recognize liabilities for the expected cost of retiring long-lived assets for which a legal obligation exists. These AROs are recorded at fair value in the period in which they are incurred and are capitalized as part of the carrying amount of the related long-lived assets. PSE&G, as a rate-regulated entity, recognizes Regulatory Assets or Liabilities as a result of timing differences between the recording of costs and costs recovered through the rate-making process. We accrete the ARO liability to reflect the passage of time with the corresponding expense recorded in O&M Expense.

**Assumptions and Approach Used:** Because quoted market prices are not available for AROs, we estimate the initial fair value of an ARO by calculating discounted cash flows that are dependent upon various assumptions, including:

- estimation of dates for retirement, which can be dependent on environmental and other legislation,
- amounts and timing of future cash expenditures associated with retirement, settlement or remediation activities,
- discount rates,
- cost escalation rates,
- market risk premium,
- inflation rates, and
- if applicable, past experience with government regulators regarding similar obligations.

We obtain updated nuclear decommissioning cost studies triennially unless new information necessitates more frequent updates. The most recent cost study was done in 2021. When we revise any assumptions used to calculate fair values of existing AROs, we adjust the ARO balance and corresponding long-lived asset which generally impacts the amount of accretion and depreciation expense recognized in future periods.

#### ***Nuclear Decommissioning AROs***

AROs related to the future decommissioning of PSEG Power's nuclear facilities comprised approximately 74% or \$1,105 million of PSEG's total AROs as of December 31, 2022. PSEG Power determines its AROs for its nuclear units by assigning probability weighting to various discounted cash flow outcomes for each of its nuclear units that incorporate the assumptions above as well as:

- financial feasibility and impacts on potential early shutdown,
- license renewals,
- SAFSTOR alternative, which assumes the nuclear facility can be safely stored and subsequently decommissioned in a period within 60 years after operations,
- DECON alternative, which assumes decommissioning activities begin after operations, and
- recovery from the federal government of assumed specific costs incurred for spent nuclear fuel.

**Effect if Different Assumptions Used:** Changes in the assumptions could result in a material change in the ARO balance sheet obligation and the period over which we accrete to the ultimate liability. Had the following assumptions been applied, our estimates of the approximate impacts on the Nuclear ARO as of December 31, 2022 are as follows:

- A decrease of 1% in the discount rate would result in a \$41 million increase in the Nuclear ARO.
- An increase of 1% in the inflation rate would result in a \$329 million increase in the Nuclear ARO.
- If the federal government were to discontinue reimbursing us for assumed specific spent fuel costs as prescribed under the Nuclear Waste Policy Act, the Nuclear ARO would increase by \$161 million.
- If we would elect or be required to decommission under a DECON alternative at Salem and Hope Creek, the Nuclear ARO would increase by \$557 million.
- If PSEG Power were to increase its early shutdown probability to 100% and retire Salem and Hope Creek starting in 2032, which is significantly earlier than the end of their current license periods, the Nuclear ARO would increase by \$102 million. For additional information, see Item 8. Note 4. Early Plant Retirements/Asset Dispositions and Impairments.

## Accounting for Regulated Businesses

PSE&G prepares its financial statements to comply with GAAP for rate-regulated enterprises, which differs in some respects from accounting for non-regulated businesses. In general, accounting for rate-regulated enterprises should reflect the economic effects of regulation. As a result, a regulated utility is required to defer the recognition of costs (Regulatory Asset) or recognize obligations (Regulatory Liability) if the rates established are designed to recover the costs and if the competitive environment makes it probable that such rates can be charged or collected. This accounting results in the recognition of revenues and expenses in different time periods than that of enterprises that are not regulated.

**Assumptions and Approach Used:** PSE&G recognizes Regulatory Assets where it is probable that such costs will be recoverable in future rates from customers and Regulatory Liabilities where it is probable that refunds will be made to customers in future billings. The highest degree of probability is an order from the BPU either approving recovery of the deferred costs over a future period or requiring the refund of a liability over a future period.

Virtually all of PSE&G's Regulatory Assets and Regulatory Liabilities are supported by BPU orders. In the absence of an order, PSE&G will consider the following when determining whether to record a Regulatory Asset or Liability:

- past experience regarding similar items with the BPU,
- treatment of a similar item in an order by the BPU for another utility,
- passage of new legislation, and
- recent discussions with the BPU.

All deferred costs are subject to prudence reviews by the BPU. When the recovery of a Regulatory Asset or payment of a Regulatory Liability is no longer probable, PSE&G charges or credits earnings, as appropriate.

**Effect if Different Assumptions Used:** A change in the above assumptions may result in a material impact on our results of operations or our cash flows. See Item 8. Note 7. Regulatory Assets and Liabilities for a description of the amounts and nature of regulatory balance sheet amounts.

## ITEM 7A. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

The risk inherent in our market-risk sensitive instruments and positions is the potential loss arising from adverse changes in commodity prices, equity security prices and interest rates as discussed in the Notes to Consolidated Financial Statements. It is our policy to use derivatives to manage risk consistent with business plans and prudent practices. We have a Risk Management Committee comprised of executive officers who utilize a risk oversight function to ensure compliance with our corporate policies and risk management practices.

Additionally, we are exposed to counterparty credit losses in the event of non-performance or non-payment. We have a credit management process, which is used to assess, monitor and mitigate counterparty exposure. In the event of non-performance or non-payment by a major counterparty, there may be a material adverse impact on our financial condition, results of operations or net cash flows.

### Commodity Contracts

The availability and price of energy-related commodities are subject to fluctuations from factors such as weather, environmental policies, changes in supply and demand, state and federal regulatory policies, market rules and other events. To reduce price risk caused by market fluctuations, we enter into supply contracts and derivative contracts, including forwards, futures, swaps and options with approved counterparties. These contracts, in conjunction with physical sales and other services, help reduce risk and optimize the value of owned electric generation capacity.

### Value-at-Risk (VaR) Models

VaR represents the potential losses, under normal market conditions, for instruments or portfolios due to changes in market factors, for a specified time period and confidence level. We estimate VaR across our commodity businesses.

MTM VaR consists of MTM derivatives that are economic hedges. The MTM VaR calculation does not include market risks associated with activities that are subject to accrual accounting, primarily our generating facilities and some load-serving activities.

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The VaR models used are variance/covariance models adjusted for the change of positions with 95% and 99.5% confidence levels and a one-day holding period for the MTM activities. The models assume no new positions throughout the holding periods; however, we actively manage our portfolio.

	<b>MTM VaR</b>	
	<b>Years Ended December 31,</b>	
	<b>2022</b>	<b>2021</b>
	Millions	
<b>95% Confidence Level, Loss could exceed VaR one day in 20 days</b>		
Period End	\$ 122	\$ 71
Average for the Period	\$ 152	\$ 36
High	\$ 365	\$ 113
Low	\$ 70	\$ 7
<b>99.5% Confidence Level, Loss could exceed VaR one day in 200 days</b>		
Period End	\$ 191	\$ 112
Average for the Period	\$ 239	\$ 57
High	\$ 572	\$ 178
Low	\$ 110	\$ 11

See Item 8. Note 18. Financial Risk Management Activities for a discussion of credit risk.

### Interest Rates

We are subject to the risk of fluctuating interest rates in the normal course of business. We manage interest rate risk by targeting a balanced debt maturity profile which limits refinancing in any given period or interest rate environment. In addition, we use a mix of fixed and floating rate debt, interest rate swaps and interest rate lock agreements.

As of December 31, 2022, a hypothetical 10% increase in market interest rates would result in an additional \$6 million in pre-tax annual interest costs related to either the current or the long-term portion of long-term debt, and term loan agreements.

### Debt and Equity Securities

As of December 31, 2022, we had \$5.3 billion of net assets in trust for our pension and OPEB plans. Although fluctuations in market prices of securities within this portfolio do not directly affect our earnings in the current period, changes in the value of these investments could affect

- our future contributions to these plans,
- our financial position if our accumulated benefit obligation under our pension plans exceeds the fair value of the pension trust funds, and
- future earnings, as we could be required to adjust pension expense and the assumed rate of return.

The NDT Fund is comprised primarily of fixed income and equity securities. As of December 31, 2022, the portfolio included \$1.1 billion of equity securities and \$1.1 billion in fixed income securities. The fair market value of the assets in the NDT Fund will fluctuate primarily depending upon the performance of equity markets. As of December 31, 2022, a hypothetical 10% change in the equity market would impact the value of the equity securities in the NDT Fund by approximately \$110 million.

We use duration to measure the interest rate sensitivity of the fixed income portfolio. Duration is a summary statistic of the effective average maturity of the fixed income portfolio. The benchmark for the fixed income component of the NDT Fund currently has a duration of 6.17 years and a yield of 4.68%. The portfolio's value will appreciate or depreciate by the duration with a 1% change in interest rates. As of December 31, 2022, a hypothetical 1% increase in interest rates would result in a decline in the market value for the fixed income portfolio of approximately \$71 million.

## ITEM 8. FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA

This combined Form 10-K is separately filed by PSEG and PSE&G. Information contained herein relating to any individual company is filed by such company on its own behalf. PSE&G makes representations only as to itself and makes no representations as to any other company.

## REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Board of Directors and Stockholders of  
Public Service Enterprise Group Incorporated

### Opinion on the Financial Statements

We have audited the accompanying consolidated balance sheets of Public Service Enterprise Group Incorporated and subsidiaries (the “Company” or PSEG) as of December 31, 2022 and 2021, the related consolidated statements of operations, comprehensive income (loss), stockholders' equity, and cash flows, for each of the three years in the period ended December 31, 2022, the related notes and the consolidated financial statement schedule listed in the Index at Item 15(B)(a) (collectively referred to as the “financial statements”). In our opinion, the financial statements present fairly, in all material respects, the financial position of the Company as of December 31, 2022 and 2021, and the results of its operations and its cash flows for each of the three years in the period ended December 31, 2022, in conformity with accounting principles generally accepted in the United States of America.

We have also audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (PCAOB), the Company's internal control over financial reporting as of December 31, 2022, based on criteria established in *Internal Control — Integrated Framework (2013)* issued by the Committee of Sponsoring Organizations of the Treadway Commission, and our report dated February 21, 2023, expressed an unqualified opinion on the Company's internal control over financial reporting.

### Basis for Opinion

These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on the Company's financial statements based on our audits. We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud. Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. We believe that our audits provide a reasonable basis for our opinion.

### Critical Audit Matter

The critical audit matter communicated below is a matter arising from the current-period audit of the financial statements that was communicated or required to be communicated to the audit committee and that (1) relates to accounts or disclosures that are material to the financial statements and (2) involved our especially challenging, subjective, or complex judgments. The communication of critical audit matters does not alter in any way our opinion on the financial statements, taken as a whole, and we are not, by communicating the critical audit matter below, providing a separate opinion on the critical audit matter or on the accounts or disclosures to which it relates.

### *Accounting for the Effects of Regulation – Refer to Notes 1 and 7 to the financial statements*

#### *Critical Audit Matter Description*

PSEG's subsidiary, Public Service Electric and Gas Company (PSE&G), is regulated by the New Jersey Board of Public Utilities (BPU) and the Federal Energy Regulatory Commission (FERC), which have jurisdiction with respect to PSE&G's electric and gas distribution and electric transmission businesses, respectively. Management believes that PSE&G's transmission and distribution businesses continue to meet the accounting requirements for rate-regulated entities, and PSE&G's financial statements reflect the economic effects of cost-based rate regulation.

As a utility subject to cost-based rate regulation, PSE&G is required to defer the recognition of costs as a regulatory asset or recognize obligations as a regulatory liability if the rates established are designed to recover the costs and if it is probable that such rates can be charged or collected in future periods. This accounting can result in the recognition of revenues and expenses in different time periods than that of enterprises that are not regulated. Further, regulatory assets and other investments and costs incurred under various filings and clause mechanisms are subject to prudence reviews and can be disallowed in the future by regulatory authorities. To the extent that collection of revenue or regulatory assets or payments of regulatory liabilities is no

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longer probable, the amounts would be charged or credited to income. Significant judgment can be required to determine if otherwise recognizable revenues and incurred costs qualify to be presented as a regulatory asset or liability. As of December 31, 2022, PSE&G has approximately \$4.8 billion and \$2.6 billion recorded as regulatory assets and regulatory liabilities, respectively.

We identified the accounting for the effects of rate regulation as a critical audit matter due to the significant judgments made by management in assessing the probable recovery of regulatory assets and incurred costs or the likelihood of refunds of regulatory liabilities. These judgments include assumptions regarding the outcome of future decisions by the BPU or FERC. Auditing these judgments required specialized knowledge of accounting for rate regulation and the ratemaking process due to its inherent complexities.

*How the Critical Audit Matter Was Addressed in the Audit*

Our audit procedures to evaluate the accounting for the effects of cost-based rate regulation, including the probable recovery or refund of regulatory assets and liabilities, included the following, among others:

- We tested the effectiveness of management's controls over the evaluation of the likelihood of (1) the recovery in future rates of costs deferred as regulatory assets, and (2) a refund or a future reduction in rates that should be reported as regulatory liabilities. We tested the effectiveness of management's controls over the initial recognition of amounts as regulatory assets or liabilities and the monitoring and evaluation of regulatory developments that may affect the likelihood of recovering costs in future rates or of a future reduction in rates.
- We obtained and read relevant regulatory orders issued by the BPU and FERC for PSE&G and other publicly available information to assess the likelihood of recovery in future rates or of a future reduction in rates based on precedents of the treatment of similar costs under similar circumstances. We evaluated the external information and compared it to management's recorded regulatory asset and liability balances for completeness.
- For regulatory matters in process, we inspected associated documents and testimony filed with the BPU or FERC for any evidence that might contradict management's assertions.
- We evaluated the financial statement presentation and disclosures related to the impacts of cost-based rate-regulation, including the balances recorded and regulatory developments.

/s/ DELOITTE & TOUCHE LLP

Morristown, New Jersey  
February 21, 2023

We have served as the Company's auditor since 1934.

## REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Board of Directors and Sole Stockholder of  
Public Service Electric and Gas Company

### Opinion on the Financial Statements

We have audited the accompanying consolidated balance sheets of Public Service Electric and Gas Company and subsidiaries (the "Company" or PSE&G) as of December 31, 2022 and 2021, the related consolidated statements of operations, comprehensive income, common stockholder's equity, and cash flows, for each of the three years in the period ended December 31, 2022, the related notes and the consolidated financial statement schedule listed in the Index at Item 15(B)(b) (collectively referred to as the "financial statements"). In our opinion, the financial statements present fairly, in all material respects, the financial position of the Company as of December 31, 2022 and 2021, and the results of its operations and its cash flows for each of the three years in the period ended December 31, 2022, in conformity with accounting principles generally accepted in the United States of America.

### Basis for Opinion

These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on the Company's financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud. The Company is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. As part of our audits, we are required to obtain an understanding of internal control over financial reporting but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control over financial reporting. Accordingly, we express no such opinion.

Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. We believe that our audits provide a reasonable basis for our opinion.

### Critical Audit Matter

The critical audit matter communicated below is a matter arising from the current-period audit of the financial statements that was communicated or required to be communicated to the audit committee and that (1) relates to accounts or disclosures that are material to the financial statements and (2) involved our especially challenging, subjective, or complex judgments. The communication of critical audit matters does not alter in any way our opinion on the financial statements, taken as a whole, and we are not, by communicating the critical audit matter below, providing a separate opinion on the critical audit matter or on the accounts or disclosures to which it relates.

#### *Accounting for the Effects of Regulation – Refer to Notes 1 and 7 to the financial statements*

##### *Critical Audit Matter Description*

PSE&G is regulated by the New Jersey Board of Public Utilities (BPU) and the Federal Energy Regulatory Commission (FERC), which have jurisdiction with respect to PSE&G's electric and gas distribution and electric transmission businesses, respectively. Management believes that PSE&G's transmission and distribution businesses continue to meet the accounting requirements for rate-regulated entities, and PSE&G's financial statements reflect the economic effects of cost-based rate regulation.

As a utility subject to cost-based rate regulation, PSE&G is required to defer the recognition of costs as a regulatory asset or recognize obligations as a regulatory liability if the rates established are designed to recover the costs and if it is probable that such rates can be charged or collected in future periods. This accounting can result in the recognition of revenues and expenses in different time periods than that of enterprises that are not regulated. Further, regulatory assets and other investments and costs incurred under various filings and clause mechanisms are subject to prudence reviews and can be disallowed in the future by regulatory authorities. To the extent that collection of revenue or regulatory assets or payments of regulatory liabilities is no longer probable, the amounts would be charged or credited to income. Significant judgment can be required to determine if



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otherwise recognizable revenues and incurred costs qualify to be presented as a regulatory asset or liability. As of December 31, 2022, PSE&G has approximately \$4.8 billion and \$2.6 billion recorded as regulatory assets and regulatory liabilities, respectively.

We identified the accounting for the effects of rate regulation as a critical audit matter due to the significant judgments made by management in assessing the probable recovery of regulatory assets and incurred costs or the likelihood of refunds of regulatory liabilities. These judgments include assumptions regarding the outcome of future decisions by the BPU or FERC. Auditing these judgments required specialized knowledge of accounting for rate regulation and the ratemaking process due to its inherent complexities.

### *How the Critical Audit Matter Was Addressed in the Audit*

Our audit procedures to evaluate the accounting for the effects of cost-based rate regulation, including the probable recovery or refund of regulatory assets and liabilities, included the following, among others:

- We tested the effectiveness of management's controls over the evaluation of the likelihood of (1) the recovery in future rates of costs deferred as regulatory assets, and (2) a refund or a future reduction in rates that should be reported as regulatory liabilities. We tested the effectiveness of management's controls over the initial recognition of amounts as regulatory assets or liabilities and the monitoring and evaluation of regulatory developments that may affect the likelihood of recovering costs in future rates or of a future reduction in rates.
- We obtained and read relevant regulatory orders issued by the BPU and FERC for PSE&G and other publicly available information to assess the likelihood of recovery in future rates or of a future reduction in rates based on precedents of the treatment of similar costs under similar circumstances. We evaluated the external information and compared it to management's recorded regulatory asset and liability balances for completeness.
- For regulatory matters in process, we inspected associated documents and testimony filed with the BPU or FERC for any evidence that might contradict management's assertions.
- We evaluated the financial statement presentation and disclosures related to the impacts of cost-based rate-regulation, including the balances recorded and regulatory developments.

/s/ DELOITTE & TOUCHE LLP

Morristown, New Jersey  
February 21, 2023

We have served as the Company's auditor since 1934.

**PUBLIC SERVICE ENTERPRISE GROUP INCORPORATED**  
**CONSOLIDATED STATEMENTS OF OPERATIONS**  
Millions, except per share data

	Years Ended December 31,		
	2022	2021	2020
OPERATING REVENUES	\$ 9,800	\$ 9,722	\$ 9,603
OPERATING EXPENSES			
Energy Costs	4,018	3,499	3,056
Operation and Maintenance	3,178	3,226	3,115
Depreciation and Amortization	1,100	1,216	1,285
(Gains) Losses on Asset Dispositions and Impairments	123	2,637	(123)
Total Operating Expenses	<u>8,419</u>	<u>10,578</u>	<u>7,333</u>
OPERATING INCOME (LOSS)	1,381	(856)	2,270
Income from Equity Method Investments	14	16	14
Net Gains (Losses) on Trust Investments	(265)	194	253
Other Income (Deductions)	124	98	115
Net Non-Operating Pension and Other Postretirement Benefit (OPEB) Credits (Costs)	376	328	249
Loss on Extinguishment of Debt	—	(298)	—
Interest Expense	(628)	(571)	(600)
INCOME (LOSS) BEFORE INCOME TAXES	<u>1,002</u>	<u>(1,089)</u>	<u>2,301</u>
Income Tax Benefit (Expense)	29	441	(396)
NET INCOME (LOSS)	<u>\$ 1,031</u>	<u>\$ (648)</u>	<u>\$ 1,905</u>
WEIGHTED AVERAGE COMMON SHARES OUTSTANDING:			
BASIC	<u>498</u>	<u>504</u>	<u>504</u>
DILUTED	<u>501</u>	<u>504</u>	<u>507</u>
NET INCOME (LOSS) PER SHARE:			
BASIC	<u>\$ 2.07</u>	<u>\$ (1.29)</u>	<u>\$ 3.78</u>
DILUTED	<u>\$ 2.06</u>	<u>\$ (1.29)</u>	<u>\$ 3.76</u>

See Notes to Consolidated Financial Statements.

**PUBLIC SERVICE ENTERPRISE GROUP INCORPORATED**  
**CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (LOSS)**  
**Millions**

	Years Ended December 31,		
	2022	2021	2020
NET INCOME (LOSS)	\$ 1,031	\$ (648)	\$ 1,905
Other Comprehensive Income (Loss), net of tax			
Unrealized Gains (Losses) on Available-for-Sale Securities, net of tax (expense) benefit of \$85, \$25 and \$(16) for the years ended 2022, 2021 and 2020, respectively	(132)	(39)	25
Unrealized Gains (Losses) on Cash Flow Hedges, net of tax (expense) benefit of \$(2), \$(1) and \$(2) for the years ended 2022, 2021 and 2020, respectively	3	3	6
Pension/OPEB adjustment, net of tax (expense) benefit of \$28, \$(75) and \$18 for the years ended 2022, 2021 and 2020, respectively	(71)	190	(46)
Other Comprehensive Income (Loss), net of tax	(200)	154	(15)
COMPREHENSIVE INCOME (LOSS)	\$ 831	\$ (494)	\$ 1,890

See Notes to Consolidated Financial Statements.

**PUBLIC SERVICE ENTERPRISE GROUP INCORPORATED**  
**CONSOLIDATED BALANCE SHEETS**  
**Millions**

	December 31,	
	2022	2021
<b>ASSETS</b>		
<b>CURRENT ASSETS</b>		
Cash and Cash Equivalents	\$ 465	\$ 818
Accounts Receivable, net of allowance of \$323 in 2022 and \$325 in 2021	1,944	1,859
Tax Receivable	79	9
Unbilled Revenues, net of allowance of \$16 in 2022 and \$12 in 2021	322	217
Fuel	420	296
Materials and Supplies, net	540	448
Prepayments	93	63
Derivative Contracts	18	72
Regulatory Assets	369	364
Assets Held for Sale	20	2,060
Other	33	44
Total Current Assets	4,303	6,250
<b>PROPERTY, PLANT AND EQUIPMENT</b>	45,924	43,684
Less: Accumulated Depreciation and Amortization	(9,982)	(9,318)
Net Property, Plant and Equipment	35,942	34,366
<b>NONCURRENT ASSETS</b>		
Regulatory Assets	4,404	3,605
Operating Lease Right-of-Use Assets	176	201
Long-Term Investments	624	541
Nuclear Decommissioning Trust (NDT) Fund	2,230	2,637
Long-Term Tax Receivable	5	47
Long-Term Receivable of Variable Interest Entity	551	828
Rabbi Trust Fund	183	242
Intangibles	14	20
Derivative Contracts	15	28
Other	271	234
Total Noncurrent Assets	8,473	8,383
<b>TOTAL ASSETS</b>	\$ 48,718	\$ 48,999

See Notes to Consolidated Financial Statements.

**PUBLIC SERVICE ENTERPRISE GROUP INCORPORATED**  
**CONSOLIDATED BALANCE SHEETS**  
**Millions**

	December 31,	
	2022	2021
<b>LIABILITIES AND CAPITALIZATION</b>		
<b>CURRENT LIABILITIES</b>		
Long-Term Debt Due Within One Year	\$ 1,575	\$ 700
Commercial Paper and Loans	2,200	3,519
Accounts Payable	1,271	1,315
Derivative Contracts	124	17
Accrued Interest	134	121
Accrued Taxes	12	67
New Jersey Clean Energy Program	145	146
Obligation to Return Cash Collateral	290	179
Regulatory Liabilities	384	388
Liabilities Held for Sale	—	144
Other	545	476
Total Current Liabilities	<u>6,680</u>	<u>7,072</u>
<b>NONCURRENT LIABILITIES</b>		
Deferred Income Taxes and Investment Tax Credits (ITC)	5,725	5,759
Regulatory Liabilities	2,240	2,497
Operating Leases	169	191
Asset Retirement Obligations	1,499	1,573
Other Postretirement Benefit (OPEB) Costs	410	572
OPEB Costs of Service	455	640
Accrued Pension Costs	705	318
Accrued Pension Costs of Service	82	174
Environmental Costs	231	245
Derivative Contracts	33	17
Long-Term Accrued Taxes	66	100
Other	199	184
Total Noncurrent Liabilities	<u>11,814</u>	<u>12,270</u>
<b>COMMITMENTS AND CONTINGENT LIABILITIES (See Note 15)</b>		
<b>CAPITALIZATION</b>		
LONG-TERM DEBT	<u>16,495</u>	<u>15,219</u>
<b>STOCKHOLDERS' EQUITY</b>		
Common Stock, no par, authorized 1,000 shares; issued, 2022 and 2021—534 shares	5,065	5,045
Treasury Stock, at cost, 2022 and 2021—37 and 30 shares, respectively	(1,377)	(896)
Retained Earnings	10,591	10,639
Accumulated Other Comprehensive Loss	(550)	(350)
Total Stockholders' Equity	<u>13,729</u>	<u>14,438</u>
Total Capitalization	<u>30,224</u>	<u>29,657</u>
<b>TOTAL LIABILITIES AND CAPITALIZATION</b>	<u>\$ 48,718</u>	<u>\$ 48,999</u>

See Notes to Consolidated Financial Statements.

**PUBLIC SERVICE ENTERPRISE GROUP INCORPORATED**  
**CONSOLIDATED STATEMENTS OF CASH FLOWS**  
**Millions**

	Years Ended December 31,		
	2022	2021	2020
<b>CASH FLOWS FROM OPERATING ACTIVITIES</b>			
Net Income (Loss)	\$ 1,031	\$ (648)	\$ 1,905
Adjustments to Reconcile Net Income (Loss) to Net Cash Flows from Operating Activities:			
Depreciation and Amortization	1,100	1,216	1,285
Amortization of Nuclear Fuel	183	187	184
(Gains) Losses on Asset Dispositions and Impairments	123	2,637	(123)
Loss on Extinguishment of Debt	—	298	—
Emission Allowances and Renewable Energy Credit (REC) Compliance Accrual	55	138	151
Provision for Deferred Income Taxes (Other than Leases) and ITC	(264)	(817)	139
Non-Cash Employee Benefit Plan (Credits) Costs	(239)	(178)	(105)
Leveraged Lease (Income), (Gains) and Losses, Adjusted for Rents Received and Deferred Taxes	15	(11)	(135)
Net Realized and Unrealized (Gains) Losses on Energy Contracts and Other Derivatives	639	614	80
Cost of Removal	(129)	(121)	(106)
Net Change in Regulatory Assets and Liabilities	(316)	(271)	(101)
Net (Gains) Losses and (Income) Expense from NDT Fund	202	(229)	(278)
Net Change in Certain Current Assets and Liabilities:			
Cash Collateral	(677)	(790)	(10)
Obligation to Return Cash Collateral	111	81	(21)
Accrued Taxes	(94)	(127)	124
Other Current Assets and Liabilities	(187)	(263)	201
Employee Benefit Plan Funding and Related Payments	(35)	(25)	(18)
Other	(15)	45	(70)
Net Cash Provided By (Used In) Operating Activities	<u>1,503</u>	<u>1,736</u>	<u>3,102</u>
<b>CASH FLOWS FROM INVESTING ACTIVITIES</b>			
Additions to Property, Plant and Equipment	(2,888)	(2,719)	(2,923)
Proceeds from Sales of Trust Investments	1,586	2,100	2,234
Purchases of Trust Investments	(1,611)	(2,092)	(2,250)
Proceeds from Sales of Long-Lived Assets and Lease Investments	1,918	569	301
Contributions to Equity Method Investments	(124)	(111)	—
Other	18	9	(38)
Net Cash Provided By (Used In) Investing Activities	<u>(1,101)</u>	<u>(2,244)</u>	<u>(2,676)</u>
<b>CASH FLOWS FROM FINANCING ACTIVITIES</b>			
Net Change in Commercial Paper	(819)	256	(352)
Proceeds from Short-Term Loans	2,000	2,500	800
Repayment of Short-Term Loans	(2,500)	(300)	(500)
Issuance of Long-Term Debt	2,850	2,825	2,450
Redemption of Long-Term Debt	(700)	(3,082)	(1,365)
Payments for Share Repurchase Program	(500)	—	—
Premium Paid on Early Extinguishment of Debt	—	(294)	—
Cash Dividends Paid on Common Stock	(1,079)	(1,031)	(991)
Other	(6)	(75)	(72)
Net Cash Provided By (Used In) Financing Activities	<u>(754)</u>	<u>799</u>	<u>(30)</u>
Net Increase (Decrease) in Cash, Cash Equivalents and Restricted Cash	(352)	291	396
Cash, Cash Equivalents and Restricted Cash at Beginning of Period	863	572	176
Cash, Cash Equivalents and Restricted Cash at End of Period	<u>\$ 511</u>	<u>\$ 863</u>	<u>\$ 572</u>
Supplemental Disclosure of Cash Flow Information:			
Income Taxes Paid (Received)	\$ 353	\$ 425	\$ 297
Interest Paid, Net of Amounts Capitalized	\$ 602	\$ 547	\$ 568
Accrued Property, Plant and Equipment Expenditures	\$ 366	\$ 331	\$ 387

See Notes to Consolidated Financial Statements.

**PUBLIC SERVICE ENTERPRISE GROUP INCORPORATED**  
**CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY**  
**Millions**

	Common Stock		Treasury Stock		Retained Earnings	Accumulated Other Comprehensive Income (Loss)	Total
	Shs.	Amount	Shs.	Amount			
<b>Balance as of December 31, 2019</b>	534	\$ 5,003	(30)	\$ (831)	\$ 11,406	\$ (489)	\$ 15,089
Net Income	—	—	—	—	1,905	—	1,905
Other Comprehensive Income (Loss), net of tax (expense) benefit of \$0	—	—	—	—	—	(15)	(15)
Comprehensive Income							1,890
Cumulative Effect Adjustment for Current Expected Credit Losses (CECL)	—	—	—	—	(2)	—	(2)
Cash Dividends at \$1.96 per share on Common Stock	—	—	—	—	(991)	—	(991)
Other	—	28	—	(30)	—	—	(2)
<b>Balance as of December 31, 2020</b>	<u>534</u>	<u>\$ 5,031</u>	<u>(30)</u>	<u>\$ (861)</u>	<u>\$ 12,318</u>	<u>\$ (504)</u>	<u>\$ 15,984</u>
Net Loss	—	—	—	—	(648)	—	(648)
Other Comprehensive Income (Loss), net of tax (expense) benefit of \$(51)	—	—	—	—	—	154	154
Comprehensive Loss							(494)
Cash Dividends at \$2.04 per share on Common Stock	—	—	—	—	(1,031)	—	(1,031)
Other	—	14	—	(35)	—	—	(21)
<b>Balance as of December 31, 2021</b>	<u>534</u>	<u>\$ 5,045</u>	<u>(30)</u>	<u>\$ (896)</u>	<u>\$ 10,639</u>	<u>\$ (350)</u>	<u>\$ 14,438</u>
Net Income	—	—	—	—	1,031	—	1,031
Other Comprehensive Income (Loss), net of tax (expense) benefit of \$111	—	—	—	—	—	(200)	(200)
Comprehensive Income							831
Cash Dividends at \$2.16 per share on Common Stock	—	—	—	—	(1,079)	—	(1,079)
Payments for Share Repurchase Program	—	—	(7)	(500)	—	—	(500)
Other	—	20	—	19	—	—	39
<b>Balance as of December 31, 2022</b>	<u>534</u>	<u>\$ 5,065</u>	<u>(37)</u>	<u>\$ (1,377)</u>	<u>\$ 10,591</u>	<u>\$ (550)</u>	<u>\$ 13,729</u>

See Notes to Consolidated Financial Statements.

**PUBLIC SERVICE ELECTRIC AND GAS COMPANY**  
**CONSOLIDATED STATEMENTS OF OPERATIONS**  
**Millions**

	Years Ended December 31,		
	2022	2021	2020
OPERATING REVENUES	\$ 7,935	\$ 7,122	\$ 6,608
OPERATING EXPENSES			
Energy Costs	3,270	2,688	2,469
Operation and Maintenance	1,838	1,692	1,614
Depreciation and Amortization	935	928	887
Gain on Asset Dispositions	—	(4)	(1)
Total Operating Expenses	<u>6,043</u>	<u>5,304</u>	<u>4,969</u>
OPERATING INCOME	1,892	1,818	1,639
Net Gains (Losses) on Trust Investments	(2)	2	3
Other Income (Deductions)	88	88	108
Non-Operating Pension and OPEB Credits (Costs)	281	264	205
Interest Expense	(427)	(402)	(388)
INCOME BEFORE INCOME TAXES	<u>1,832</u>	<u>1,770</u>	<u>1,567</u>
Income Tax Benefit (Expense)	(267)	(324)	(240)
NET INCOME	<u>\$ 1,565</u>	<u>\$ 1,446</u>	<u>\$ 1,327</u>

See disclosures regarding Public Service Electric and Gas Company included in the Notes to Consolidated Financial Statements.



**PUBLIC SERVICE ELECTRIC AND GAS COMPANY**  
**CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME**  
**Millions**

	Years Ended December 31,		
	2022	2021	2020
NET INCOME	\$ 1,565	\$ 1,446	\$ 1,327
Other Comprehensive Income (Loss), net of tax			
Unrealized Gains (Losses) on Available-for-Sale Securities, net of tax (expense) benefit of \$2, \$1 and \$0 for the years ended 2022, 2021 and 2020, respectively	(6)	(2)	1
COMPREHENSIVE INCOME	<u>\$ 1,559</u>	<u>\$ 1,444</u>	<u>\$ 1,328</u>

See disclosures regarding Public Service Electric and Gas Company included in the Notes to Consolidated Financial Statements.

**PUBLIC SERVICE ELECTRIC AND GAS COMPANY**  
**CONSOLIDATED BALANCE SHEETS**  
Millions

ASSETS	December 31,	
	2022	2021
<b>CURRENT ASSETS</b>		
Cash and Cash Equivalents	\$ 220	\$ 294
Accounts Receivable, net of allowance of \$323 in 2022 and \$325 in 2021	1,075	1,050
Unbilled Revenues, net of allowance of \$16 in 2022 and \$12 in 2021	322	217
Materials and Supplies, net	307	233
Prepayments	7	15
Regulatory Assets	369	364
Other	32	33
Total Current Assets	2,332	2,206
<b>PROPERTY, PLANT AND EQUIPMENT</b>		
Less: Accumulated Depreciation and Amortization	(8,215)	(7,640)
Net Property, Plant and Equipment	32,830	30,948
<b>NONCURRENT ASSETS</b>		
Regulatory Assets	4,404	3,605
Operating Lease Right-of-Use Assets	86	92
Long-Term Investments	143	181
Rabbi Trust Fund	32	43
Other	133	123
Total Noncurrent Assets	4,798	4,044
<b>TOTAL ASSETS</b>	<b>\$ 39,960</b>	<b>\$ 37,198</b>

See disclosures regarding Public Service Electric and Gas Company included in the Notes to Consolidated Financial Statements.

**PUBLIC SERVICE ELECTRIC AND GAS COMPANY**  
**CONSOLIDATED BALANCE SHEETS**  
**Millions**

LIABILITIES AND CAPITALIZATION	December 31,	
	2022	2021
<b>CURRENT LIABILITIES</b>		
Long-Term Debt Due Within One Year	\$ 825	\$ —
Accounts Payable	703	571
Accounts Payable—Affiliated Companies	485	418
Accrued Interest	113	107
New Jersey Clean Energy Program	145	146
Obligation to Return Cash Collateral	290	179
Regulatory Liabilities	384	388
Other	416	376
Total Current Liabilities	<u>3,361</u>	<u>2,185</u>
<b>NONCURRENT LIABILITIES</b>		
Deferred Income Taxes and ITC	5,348	4,874
Regulatory Liabilities	2,240	2,497
Operating Leases	77	83
Asset Retirement Obligations	384	363
OPEB Costs	255	354
Accrued Pension Costs	397	132
Environmental Costs	173	191
Long-Term Accrued Taxes	9	6
Other	163	145
Total Noncurrent Liabilities	<u>9,046</u>	<u>8,645</u>
<b>COMMITMENTS AND CONTINGENT LIABILITIES (See Note 15)</b>		
<b>CAPITALIZATION</b>		
LONG-TERM DEBT	<u>11,871</u>	<u>11,795</u>
<b>STOCKHOLDER'S EQUITY</b>		
Common Stock; 150 shares authorized; issued and outstanding, 2022 and 2021—132 shares	892	892
Contributed Capital	1,170	1,170
Basis Adjustment	986	986
Retained Earnings	12,639	11,524
Accumulated Other Comprehensive Income (Loss)	(5)	1
Total Stockholder's Equity	<u>15,682</u>	<u>14,573</u>
Total Capitalization	<u>27,553</u>	<u>26,368</u>
<b>TOTAL LIABILITIES AND CAPITALIZATION</b>	<u>\$ 39,960</u>	<u>\$ 37,198</u>

See disclosures regarding Public Service Electric and Gas Company included in the Notes to Consolidated Financial Statements.

**PUBLIC SERVICE ELECTRIC AND GAS COMPANY**  
**CONSOLIDATED STATEMENTS OF CASH FLOWS**  
Millions

	Years Ended December 31,		
	2022	2021	2020
<b>CASH FLOWS FROM OPERATING ACTIVITIES</b>			
Net Income	\$ 1,565	\$ 1,446	\$ 1,327
Adjustments to Reconcile Net Income to Net Cash Flows from Operating Activities:			
Depreciation and Amortization	935	928	887
Provision for Deferred Income Taxes and ITC	137	116	53
Non-Cash Employee Benefit Plan (Credits) Costs	(179)	(156)	(103)
Cost of Removal	(129)	(121)	(106)
Net Change in Other Regulatory Assets and Liabilities	(316)	(271)	(101)
Net Change in Certain Current Assets and Liabilities			
Accounts Receivable and Unbilled Revenues	(132)	(34)	(100)
Materials and Supplies	(73)	(16)	(2)
Prepayments	8	(1)	21
Accounts Payable	96	(71)	44
Accounts Receivable/Payable—Affiliated Companies, net	18	(32)	80
Obligation to Return Cash Collateral	111	81	(21)
Other Current Assets and Liabilities	44	(71)	81
Employee Benefit Plan Funding and Related Payments	(17)	(10)	(4)
Other	(40)	(64)	(103)
Net Cash Provided By (Used In) Operating Activities	<u>2,028</u>	<u>1,724</u>	<u>1,953</u>
<b>CASH FLOWS FROM INVESTING ACTIVITIES</b>			
Additions to Property, Plant and Equipment	(2,590)	(2,447)	(2,507)
Proceeds from Sales of Trust Investments	12	35	40
Purchases of Trust Investments	(10)	(29)	(40)
Solar Loan Investments	34	29	13
Other	11	16	12
Net Cash Provided By (Used In) Investing Activities	<u>(2,543)</u>	<u>(2,396)</u>	<u>(2,482)</u>
<b>CASH FLOWS FROM FINANCING ACTIVITIES</b>			
Net Change in Commercial Paper and Loans	—	(100)	(262)
Issuance of Long-Term Debt	900	1,325	1,350
Redemption of Long-Term Debt	—	(434)	(259)
Contributed Capital	—	—	75
Cash Dividends Paid	(450)	—	(175)
Other	(8)	(13)	(17)
Net Cash Provided By (Used In) Financing Activities	<u>442</u>	<u>778</u>	<u>712</u>
Net Increase (Decrease) in Cash, Cash Equivalents and Restricted Cash	(73)	106	183
Cash, Cash Equivalents and Restricted Cash at Beginning of Period	339	233	50
Cash, Cash Equivalents and Restricted Cash at End of Period	<u>\$ 266</u>	<u>\$ 339</u>	<u>\$ 233</u>
<b>Supplemental Disclosure of Cash Flow Information:</b>			
Income Taxes Paid (Received)	\$ 137	\$ 266	\$ 157
Interest Paid, Net of Amounts Capitalized	\$ 409	\$ 383	\$ 369
Accrued Property, Plant and Equipment Expenditures	\$ 331	\$ 294	\$ 323

See disclosures regarding Public Service Electric and Gas Company included in the Notes to Consolidated Financial Statements.

**PUBLIC SERVICE ELECTRIC AND GAS COMPANY**  
**CONSOLIDATED STATEMENTS OF COMMON STOCKHOLDER'S EQUITY**  
Millions

	Common Stock	Contributed Capital	Basis Adjustment	Retained Earnings	Accumulated Other Comprehensive Income (Loss)	Total
<b>Balance as of December 31, 2019</b>	\$ 892	\$ 1,095	\$ 986	\$ 8,928	\$ 2	\$ 11,903
Net Income	—	—	—	1,327	—	1,327
Other Comprehensive Income (Loss), net of tax (expense) benefit of \$0	—	—	—	—	1	1
Comprehensive Income						1,328
Cumulative Effect Adjustment for CECL	—	—	—	(2)	—	(2)
Cash Dividends Paid	—	—	—	(175)	—	(175)
Contributed Capital	—	75	—	—	—	75
<b>Balance as of December 31, 2020</b>	<u>\$ 892</u>	<u>\$ 1,170</u>	<u>\$ 986</u>	<u>\$ 10,078</u>	<u>\$ 3</u>	<u>\$ 13,129</u>
Net Income	—	—	—	1,446	—	1,446
Other Comprehensive Income (Loss), net of tax (expense) benefit of \$1	—	—	—	—	(2)	(2)
Comprehensive Income						1,444
<b>Balance as of December 31, 2021</b>	<u>\$ 892</u>	<u>\$ 1,170</u>	<u>\$ 986</u>	<u>\$ 11,524</u>	<u>\$ 1</u>	<u>\$ 14,573</u>
Net Income	—	—	—	1,565	—	1,565
Other Comprehensive Income (Loss), net of tax (expense) benefit of \$2	—	—	—	—	(6)	(6)
Comprehensive Income						1,559
Cash Dividends Paid	—	—	—	(450)	—	(450)
<b>Balance as of December 31, 2022</b>	<u>\$ 892</u>	<u>\$ 1,170</u>	<u>\$ 986</u>	<u>\$ 12,639</u>	<u>\$ (5)</u>	<u>\$ 15,682</u>

See disclosures regarding Public Service Electric and Gas Company included in the Notes to Consolidated Financial Statements.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

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### Note 1. Organization, Basis of Presentation and Summary of Significant Accounting Policies

#### Organization

Public Service Enterprise Group Incorporated (PSEG) is a public utility holding company that, acting through its wholly owned subsidiaries, is a predominantly regulated electric and gas utility and a nuclear generation business. PSEG's principal operating subsidiaries are:

- **Public Service Electric and Gas Company (PSE&G)**—which is a public utility engaged principally in the transmission of electricity and distribution of electricity and natural gas in certain areas of New Jersey. PSE&G is subject to regulation by the New Jersey Board of Public Utilities (BPU) and the Federal Energy Regulatory Commission (FERC). PSE&G also invests in regulated solar generation projects and energy efficiency (EE) and related programs in New Jersey, which are regulated by the BPU.
- **PSEG Power LLC (PSEG Power)**—which is an energy supply company that integrates the operations of its merchant nuclear generating assets with its fuel supply functions through competitive energy sales via its principal direct wholly owned subsidiaries. PSEG Power's subsidiaries are subject to regulation by FERC, the Nuclear Regulatory Commission (NRC), the Environmental Protection Agency (EPA) and the states in which they operate.

PSEG's other direct wholly owned subsidiaries are: PSEG Energy Holdings L.L.C. (Energy Holdings), which holds investments in offshore wind ventures and legacy lease investments; PSEG Long Island LLC (PSEG LI), which operates the Long Island Power Authority's (LIPA) electric transmission and distribution (T&D) system under an Operations Services Agreement (OSA); and PSEG Services Corporation (Services), which provides certain management, administrative and general services to PSEG and its subsidiaries at cost.

In May 2021, PSEG Power Ventures LLC (Power Ventures), a direct wholly owned subsidiary of PSEG Power, entered into a purchase agreement with Quattro Solar, LLC, an affiliate of LS Power, relating to the sale by Power Ventures of 100% of its ownership interest in PSEG Solar Source LLC (Solar Source) including its related assets and liabilities. The transaction closed in June 2021.

In August 2021, PSEG entered into two agreements to sell PSEG Power's 6,750 megawatts (MW) fossil generating portfolio to newly formed subsidiaries of ArcLight Energy Partners Fund VII, L.P., a fund controlled by ArcLight Capital Partners, LLC. In February 2022, PSEG completed the sale of this fossil generating portfolio. See Note 4. Early Plant Retirements/Asset Dispositions and Impairments for more details on the transactions.

#### Basis of Presentation

The respective financial statements included herein have been prepared pursuant to the rules and regulations of the Securities and Exchange Commission (SEC) applicable to Annual Reports on Form 10-K and in accordance with accounting guidance generally accepted in the United States (GAAP).

#### Significant Accounting Policies

##### Principles of Consolidation

Each company consolidates those entities in which it has a controlling interest or is the primary beneficiary. See Note 5. Variable Interest Entities. Entities over which the companies exhibit significant influence, but do not have a controlling interest and/or are not the primary beneficiary, are accounted for under the equity method of accounting. For investments in which significant influence does not exist and the investor is not the primary beneficiary, the cost method of accounting is applied. All significant intercompany accounts and transactions are eliminated in consolidation.

PSE&G and PSEG Power also have undivided interests in certain jointly-owned facilities, with each responsible for paying its respective ownership share of construction costs, fuel purchases and operating expenses. PSE&G and PSEG Power consolidate their portion of any revenues and expenses related to their respective jointly-owned facilities in the appropriate revenue and expense categories.

##### Accounting for the Effects of Regulation

In accordance with accounting guidance for rate-regulated entities, PSE&G's financial statements reflect the economic effects of regulation. PSE&G defers the recognition of costs (a Regulatory Asset) or records the recognition of obligations (a Regulatory Liability) if it is probable that, through the rate-making process, there will be a corresponding increase or decrease in future rates. Accordingly, PSE&G has deferred certain costs and recoveries, which are being amortized over various future

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periods. To the extent that collection of any such costs or payment of liabilities becomes no longer probable as a result of changes in regulation, the associated Regulatory Asset or Liability is charged or credited to income. Management believes that PSE&G's T&D businesses continue to meet the accounting requirements for rate-regulated entities. For additional information, see Note 7. Regulatory Assets and Liabilities.

### Cash, Cash Equivalents and Restricted Cash

The following provides a reconciliation of cash, cash equivalents and restricted cash reported within the Consolidated Balance Sheets that sum to the total of the same such amounts in the Consolidated Statements of Cash Flows for the years ended December 31, 2021 and 2022. Restricted cash consists primarily of deposits received related to a construction project at PSE&G.

	PSE&G	PSEG Power & Other (A)	Consolidated
	Millions		
<b>As of December 31, 2021</b>			
Cash and Cash Equivalents	\$ 294	\$ 524	\$ 818
Restricted Cash in Other Current Assets	28	—	28
Restricted Cash in Other Noncurrent Assets	17	—	17
<b>Cash, Cash Equivalents and Restricted Cash</b>	<b>\$ 339</b>	<b>\$ 524</b>	<b>\$ 863</b>
<b>As of December 31, 2022</b>			
Cash and Cash Equivalents	\$ 220	\$ 245	\$ 465
Restricted Cash in Other Current Assets	27	—	27
Restricted Cash in Other Noncurrent Assets	19	—	19
<b>Cash, Cash Equivalents and Restricted Cash</b>	<b>\$ 266</b>	<b>\$ 245</b>	<b>\$ 511</b>

(A) Includes amounts applicable to PSEG Power, Energy Holdings, Services and PSEG (parent company).

### Derivative Instruments

Each company uses derivative instruments to manage risk pursuant to its business plans and prudent practices.

Within PSEG and its affiliate companies, PSEG Power has the most exposure to commodity price risk. PSEG Power is exposed to commodity price risk primarily relating to changes in the market price of electricity, fossil fuels and other commodities. Fluctuations in market prices result from changes in supply and demand, fuel costs, market conditions, weather, state and federal regulatory policies, environmental policies, transmission availability and other factors. PSEG Power uses a variety of derivative and non-derivative instruments, such as financial options, futures, swaps, fuel purchases and forward purchases and sales of electricity, to manage the exposure to fluctuations in commodity prices and optimize the value of PSEG Power's expected generation. Changes in the fair market value of the derivative contracts are recorded in earnings.

Determining whether a contract qualifies as a derivative requires that management exercise significant judgment, including assessing the contract's market liquidity. PSEG has determined that contracts to purchase and sell certain products do not meet the definition of a derivative under the current authoritative guidance since they do not provide for net settlement, or the markets are not sufficiently liquid to conclude that physical forward contracts are readily convertible to cash.

Under current authoritative guidance, all derivatives are recognized on the balance sheet at their fair value, except for derivatives that are designated as normal purchases and normal sales (NPNS). Further, derivatives that qualify for hedge accounting can be designated as fair value or cash flow hedges. For fair value hedges, changes in fair values for both the derivative and the underlying hedged exposure are recognized in earnings each period.

Certain offsetting derivative assets and liabilities are subject to a master netting or similar agreement. In general, the terms of the agreements provide that in the event of an early termination the counterparties have the right to offset amounts owed or owing under that and any other agreement with the same counterparty. Accordingly, these positions are offset on the Consolidated Balance Sheets of PSEG.

For cash flow hedges, the gain or loss on a derivative instrument designated and qualifying as a cash flow hedge is deferred in Accumulated Other Comprehensive Income (Loss) until earnings are affected by the variability of cash flows of the hedged transaction.

For derivative contracts that do not qualify or are not designated as cash flow or fair value hedges or as NPNS, changes in fair value are recorded in current period earnings. PSEG does not currently elect fair value or cash flow hedge accounting on its commodity derivative positions.

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Contracts that qualify for, and are designated, as NPNS are accounted for upon settlement. Contracts which qualify for NPNS are contracts for which physical delivery is probable, they will not be financially settled, and the quantities under contract are expected to be used or sold in the normal course of business over a reasonable period of time. If a contract no longer meets the requirements for NPNS designation, the changes in fair value since inception, and ongoing changes, of the contract and similar contracts in that portfolio, are recorded in current period earnings.

For additional information regarding derivative financial instruments, see Note 18. Financial Risk Management Activities.

#### Revenue Recognition

PSE&G's regulated electric and gas revenues are recorded primarily based on services rendered to customers. PSE&G records unbilled revenues for the estimated amount customers will be billed for services rendered from the time meters were last read to the end of the respective accounting period. The unbilled revenue is estimated each month based on usage per day, the number of unbilled days in the period, estimated seasonal loads based upon the time of year and the variance of actual degree-days and temperature-humidity-index hours of the unbilled period from expected norms.

Regulated revenues from the transmission of electricity are recognized as services are provided based on a FERC-approved annual formula rate mechanism. This mechanism provides for an annual filing of estimated revenue requirement with rates effective January 1 of each year. After completion of the annual period ending December 31, PSE&G files a true-up whereby it compares its actual revenue requirement to the original estimate to determine any over or under collection of revenue. PSE&G records the estimated financial statement impact of the difference between the actual and the filed revenue requirement as a refund or deferral for future recovery when such amounts are probable and can be reasonably estimated in accordance with accounting guidance for rate-regulated entities.

The majority of PSEG Power's revenues relate to bilateral contracts, which are accounted for on the accrual basis as the energy is delivered. PSEG Power's revenue also includes changes in the value of energy derivative contracts that are not designated as NPNS. See Note 18. Financial Risk Management Activities for further discussion.

As of December 31, 2022, PSEG Power owns generation within PJM Interconnection, L.L.C. (PJM), which facilitates the dispatch of energy and energy-related products. Prior to the sale of the fossil generation assets, PSEG Power also had significant sales in the New York Independent System Operator (NYISO) and the New England Independent System Operator (ISO-NE) regions. PSEG generally reports electricity sales and purchases conducted with the Independent System Operators (ISOs) at PSEG Power on a net hourly basis in either Revenues or Energy Costs in its Consolidated Statement of Operations, the classification of which depends on the net hourly activity. Capacity revenue and expense are also reported net based on PSEG Power's monthly net sale or purchase position in the individual ISOs.

PSEG LI is the primary beneficiary of Long Island Electric Utility Servco, LLC (Servco). For transactions in which Servco acts as principal, Servco records revenues and the related pass-through expenditures separately in Operating Revenues and Operation and Maintenance (O&M) Expense, respectively. See Note 5. Variable Interest Entities for further information.

For additional information regarding Revenues, see Note 3. Revenues.

#### Depreciation and Amortization (D&A)

PSE&G calculates depreciation under the straight-line method based on estimated average remaining lives of the several classes of property. These estimates are reviewed on a periodic basis and necessary adjustments are made as approved by the BPU or FERC. The average depreciation rate stated as a percentage of original cost of depreciable property was as follows:

	2022	2021	2020
	Avg Rate	Avg Rate	Avg Rate
Electric Transmission	2.18 %	2.29 %	2.41 %
Electric Distribution	2.56 %	2.56 %	2.55 %
Gas Distribution	1.93 %	1.84 %	1.84 %

PSEG calculates depreciation on its nuclear generation-related assets under the straight-line method based on the assets' estimated useful lives of approximately 60 years to 80 years.

#### Allowance for Funds Used During Construction (AFUDC) and Interest Capitalized During Construction (IDC)

AFUDC represents the cost of debt and equity funds used to finance the construction of new utility assets at PSE&G. IDC represents the cost of debt used to finance construction at PSEG's other subsidiaries. The amount of AFUDC or IDC capitalized as Property, Plant and Equipment is included as a reduction of interest charges or other income for the equity portion. The



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amounts and average rates used to calculate AFUDC or IDC for the years ended December 31, 2022, 2021 and 2020 were as follows:

	AFUDC/IDC Capitalized					
	2022		2021		2020	
	Millions	Avg Rate	Millions	Avg Rate	Millions	Avg Rate
PSE&G	\$ 84	7.39 %	\$ 93	7.37 %	\$ 112	7.86 %
Other	\$ 4	2.24 %	\$ 9	4.90 %	\$ 10	4.60 %

### Income Taxes

PSEG and its subsidiaries file a consolidated federal income tax return and income taxes are allocated to PSEG's subsidiaries based on the taxable income or loss of each subsidiary on a separate return basis in accordance with a tax-sharing agreement between PSEG and each of its affiliated subsidiaries. Allocations between PSEG and its subsidiaries are recorded through intercompany accounts. Investment tax credits (ITC) deferred in prior years are being amortized over the useful lives of the related property.

Uncertain income tax positions are accounted for using a benefit recognition model with a two-step approach, a more-likely-than-not recognition criterion and a measurement attribute that measures the position as the largest amount of tax benefit that is greater than 50% likely of being realized upon ultimate settlement. If it is not more-likely-than-not that the benefit will be sustained on its technical merits, no benefit will be recorded. Uncertain tax positions that relate only to timing of when an item is included on a tax return are considered to have met the recognition threshold. See Note 22. Income Taxes for further discussion.

### Impairment of Long-Lived Assets

Management evaluates long-lived assets for impairment whenever events or changes in circumstances, such as significant adverse changes in regulation, business climate, counterparty credit worthiness or market conditions, including prolonged periods of adverse commodity and capacity prices or a current expectation that a long-lived asset will be sold or disposed of significantly before the end of its previously estimated useful life, could potentially indicate an asset's or asset group's carrying amount may not be recoverable. In such an event, an undiscounted cash flow analysis is performed to determine if an impairment exists. When a long-lived asset's or asset group's carrying amount exceeds the associated undiscounted estimated future cash flows, the asset/asset group is considered impaired to the extent that its fair value is less than its carrying amount. An impairment would result in a reduction of the value of the long-lived asset/asset group through a non-cash charge to earnings.

For PSEG, cash flows for long-lived assets and asset groups are determined at the lowest level for which identifiable cash flows are largely independent of the cash flows of other assets and liabilities. The cash flows from the nuclear generation units are evaluated at the portfolio level. See Note 4. Early Plant Retirements/Asset Dispositions and Impairments for more information on impairment assessments performed on PSEG's long-lived assets.

### Accounts Receivable—Allowance for Credit Losses

PSE&G's accounts receivable, including unbilled revenues, are primarily comprised of utility customer receivables for the provision of electric and gas service and appliance services, and are reported in the balance sheet as gross outstanding amounts adjusted for an allowance for credit losses. The allowance for credit losses reflects PSE&G's best estimate of losses on the account balances. The allowance is based on PSE&G's projection of accounts receivable aging, historical experience, economic factors and other currently available evidence, including the estimated impact of the coronavirus pandemic on the outstanding balances as of December 31, 2022. PSE&G's electric bad debt expense is recovered through the Societal Benefits Clause (SBC) mechanism and incremental gas bad debt has been deferred for future recovery through the coronavirus (COVID-19) Regulatory Asset. See Note 3. Revenues and Note 7. Regulatory Assets and Liabilities.

Accounts receivable are charged off in the period in which the receivable is deemed uncollectible. Recoveries of accounts receivable are recorded when it is known they will be received.

### Materials and Supplies and Fuel

PSEG and PSE&G's materials and supplies are carried at average cost and charged to inventory when purchased and expensed or capitalized to Property, Plant and Equipment, as appropriate, when installed or used. Fuel inventory at PSEG is valued at the lower of average cost or market and includes stored natural gas and propane used to generate power and to satisfy obligations under PSEG Power's gas supply contracts with PSE&G. The costs of fuel, including initial transportation costs, are included in inventory when purchased and charged to Energy Costs when used or sold. The cost of nuclear fuel is capitalized within Property, Plant and Equipment and amortized to fuel expense using the units-of-production method.

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#### **Property, Plant and Equipment**

PSEG's additions to and replacements of existing property, plant and equipment are capitalized at cost. The cost of maintenance, repair and replacement of minor items of property is charged to expense as incurred. At the time units of depreciable property are retired or otherwise disposed of, the original cost, adjusted for net salvage value, is charged to accumulated depreciation.

PSEG capitalizes costs related to its generating assets, including those related to its jointly-owned facilities that increase the capacity, improve or extend the life of an existing asset; represent a newly acquired or constructed asset; or represent the replacement of a retired asset. The cost of maintenance, repair and replacement of minor items of property is charged to appropriate expense accounts as incurred. Environmental costs are capitalized if the costs mitigate or prevent future environmental contamination or if the costs improve existing assets' environmental safety or efficiency. All other environmental expenditures are expensed as incurred. PSEG also capitalizes spare parts for its generating assets that meet specific criteria. Capitalized spare parts are depreciated over the remaining lives of their associated assets.

#### **Leases**

PSEG and its subsidiaries, when acting as lessee or lessor, determine if an arrangement is a lease at inception. PSEG assesses contracts to determine if the arrangement conveys (i) the right to control the use of the identified property, (ii) the right to obtain substantially all of the economic benefits from the use of the property, and (iii) the right to direct the use of the property.

PSEG and its subsidiaries are neither the lessee nor the lessor in any material leases that are not classified as operating leases.

**Lessee**—Operating Lease Right-of-Use Assets represent the right to use an underlying asset for the lease term and Operating Lease Liabilities represent the obligation to make lease payments arising from the lease. Operating Lease Right-of-Use Assets and Operating Lease Liabilities are recognized at the lease commencement date based on the present value of lease payments over the lease term.

The current portion of Operating Lease Liabilities is included in Other Current Liabilities. Operating Lease Right-of-Use Assets and noncurrent Operating Lease Liabilities are included as separate captions in Noncurrent Assets and Noncurrent Liabilities, respectively, on the Consolidated Balance Sheets of PSEG and PSEG's. PSEG and its subsidiaries do not recognize Operating Lease Right-of-Use Assets and Operating Lease Liabilities for leases where the term is twelve months or less.

PSEG and its subsidiaries recognize the lease payments on a straight-line basis over the term of the leases and variable lease payments in the period in which the obligations for those payments are incurred.

As lessee, most of the operating leases of PSEG and its subsidiaries do not provide an implicit rate; therefore, incremental borrowing rates are used based on the information available at commencement date in determining the present value of lease payments. The implicit rate is used when readily determinable. PSEG's incremental borrowing rates are based on secured borrowing rates. PSEG's incremental borrowing rates are generally unsecured rates. Having calculated simulated secured rates for each of PSEG and PSEG Power, it was determined that the difference between the unsecured borrowing rates and the simulated secured rates had an immaterial effect on their recorded Operating Lease Right-of-Use Assets and Operating Lease Liabilities. Services, PSEG LI and other subsidiaries of PSEG that do not borrow funds or issue debt may enter into leases. Since these companies do not have credit ratings and related incremental borrowing rates, PSEG has determined that it is appropriate for these companies to use the incremental borrowing rate of PSEG, the parent company.

Lease terms may include options to extend or terminate the lease when it is reasonably certain that such options will be exercised.

PSEG and its subsidiaries have lease agreements with lease and non-lease components. For real estate, equipment and vehicle leases, the lease and non-lease components are accounted for as a single lease component.

**Lessor**—Property subject to operating leases, where PSEG or one of its subsidiaries is the lessor, is included in Property, Plant and Equipment and rental income from these leases is included in Operating Revenues.

PSEG and its subsidiaries have lease agreements with lease and non-lease components, which are primarily related to domestic energy generation, real estate assets and land. PSEG and subsidiaries account for the lease and non-lease components as a single lease component. See Note 8. Leases for detailed information on leases.

Energy Holdings is the lessor in leveraged leases. Leveraged lease accounting guidance is grandfathered for existing leveraged leases. Energy Holdings' leveraged leases are accounted for in Operating Revenues and in Noncurrent Long-Term Investments. If modified after January 1, 2019, those leveraged leases will be accounted for as operating or financing leases. See Note 9. Long-Term Investments and Note 10. Financing Receivables.

#### **Trust Investments**

These securities comprise the Nuclear Decommissioning Trust (NDT) Fund, a master independent external trust account

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maintained to provide for the costs of decommissioning upon termination of operations of PSEG's nuclear facilities and amounts that are deposited to fund a Rabbi Trust which was established to meet the obligations related to non-qualified pension plans and deferred compensation plans.

Unrealized gains and losses on equity security investments are recorded in Net Income. The debt securities are classified as available-for-sale with the unrealized gains and losses recorded as a component of Accumulated Other Comprehensive Income (Loss). Realized gains and losses on both equity and available-for-sale debt security investments are recorded in earnings and are included with the unrealized gains and losses on equity securities in Net Gains (Losses) on Trust Investments. Other-than-temporary impairments on NDT and Rabbi Trust debt securities are also included in Net Gains (Losses) on Trust Investments. See Note 11. Trust Investments for further discussion.

#### **Pension and Other Postretirement Benefits (OPEB) Plans**

The market-related value of plan assets held for the qualified pension and OPEB plans is equal to the fair value of those assets as of year-end. Fair value is determined using quoted market prices and independent pricing services based upon the security type as reported by the trustee at the measurement date (December 31) as well as investments in unlisted real estate which are valued via third-party appraisals.

PSEG recognizes a long-term receivable primarily related to future funding by LIPA of Servco's recognized pension and OPEB liabilities. This receivable is presented separately on the Consolidated Balance Sheet of PSEG as a noncurrent asset. Pursuant to the OSA, Servco records expense for contributions to its pension plan trusts and for OPEB payments made to retirees.

See Note 14. Pension and Other Postretirement Benefits (OPEB) and Savings Plans for further discussion.

#### **Basis Adjustment**

PSE&G has recorded a Basis Adjustment in its Consolidated Balance Sheet related to the generation assets that were transferred from PSE&G to PSEG Power in August 2000 at the price specified by the BPU. Because the transfer was between affiliates, the transaction was recorded at the net book value of the assets and liabilities rather than the transfer price. The difference between the total transfer price and the net book value of the generation-related assets and liabilities, \$986 million, net of tax, was recorded as a Basis Adjustment on PSE&G's and PSEG Power's Consolidated Balance Sheets. The \$986 million is an addition to PSE&G's Common Stockholder's Equity and a reduction of PSEG Power's Member's Equity. These amounts are eliminated on PSEG's consolidated financial statements.

#### **Use of Estimates**

The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

## **Note 2. Recent Accounting Standards**

### **New Standards Adopted in 2022**

#### **Issuer's Accounting for Certain Modifications or Exchanges of Freestanding Equity-Classified Written Call Options—Accounting Standards Update (ASU) 2021-04**

This accounting standard clarifies an issuer's accounting for certain modifications or exchanges of freestanding equity-classified written call options that remain equity-classified after modification or exchange. It provides guidance on how an issuer would determine whether it should recognize the modification or exchange as an adjustment to equity or an expense.

The standard is effective for fiscal years beginning after December 15, 2021. PSEG adopted this standard prospectively on January 1, 2022. Adoption of this standard did not have an impact on the financial statements of PSEG and PSE&G.

#### **Lessors-Certain Leases with Variable Lease Payments—ASU 2021-05**

This accounting standard improves an area of the lease guidance related to a lessor's accounting for certain leases with variable lease payments. It amends the lessor lease classification requirements and, as a result, a lessor is now required to classify and account for a lease with variable payments as an operating lease if (i) the lease would have been classified as a sales-type lease or a direct financing lease and (ii) the lessor would have otherwise recognized a day-one loss. A day-one loss or profit is not recognized under operating lease accounting.

The standard is effective for fiscal years beginning after December 15, 2021. PSEG adopted this standard prospectively on January 1, 2022. Adoption of this standard did not have an impact on the financial statements of PSEG and PSE&G.

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#### **Government Assistance—Disclosures by Business Entities about Government Assistance—ASU 2021-10**

This accounting standard increases transparency in financial reporting by requiring business entities to disclose, in notes to financial statements, certain information when they (i) have received government assistance and (ii) use a grant or contribution accounting model by analogy to other accounting guidance.

The standard is effective for fiscal years beginning after December 15, 2021. PSEG adopted this standard prospectively on January 1, 2022. Adoption of this standard did not have an impact on the financial statements of PSEG and PSE&G.

#### **Reference Rate Reform—Deferral of the Sunset Date—ASU 2022-06**

This accounting standard defers the sunset date for applying the relief in the reference rate reform guidance to December 31, 2024 from December 31, 2022. It addresses entities' concerns that without the deferral the relief may not cover the period when a significant number of modifications could take place, given the decision by the United Kingdom's Financial Conduct Authority and the administrator of the London Interbank Offered Rate (LIBOR) to publish overnight USD LIBOR settings through June 30, 2023 rather than December 31, 2021.

The standard is effective upon its issuance in December 2022 and PSEG adopted this standard upon issuance. Adoption of this standard did not have an impact on the financial statements of PSEG and PSE&G.

#### **New Standards Issued But Not Yet Adopted as of December 31, 2022**

##### **Business Combinations—Accounting for Contract Assets and Contract Liabilities from Contracts with Customers—ASU 2021-08**

This accounting standard amends the business combination guidance by requiring entities to apply the revenue recognition standard to recognize and measure contract assets and contract liabilities in a business combination.

The standard is effective for fiscal years beginning after December 15, 2022 and early adoption is permitted. Amendments in this standard will be applied prospectively to business combinations occurring on or after the effective date of the amendments. PSEG adopted this standard prospectively on January 1, 2023. Adoption of this standard did not have an impact on the financial statements of PSEG and PSE&G.

##### **Derivative and Hedging: Fair Value Hedging-Portfolio Layer Method—ASU 2022-01**

This accounting standard amends the derivative and hedging guidance on fair value hedge accounting of interest rate risk for portfolios of financial assets. The standard allows entities to expand their use of the portfolio layer method (previously known as the last of layer method) for fair value hedges of interest rate risk. Under this guidance, entities can now hedge all financial assets under the portfolio layer method and designate multiple hedged layers within a single closed portfolio. The standard also clarifies the accounting for fair value hedge basis adjustments in portfolio layer hedges and how these adjustments should be disclosed.

The standard is effective for fiscal years beginning after December 15, 2022 and early adoption is permitted. Amendments in this standard will be applied: (i) prospectively to designation of multiple hedged layers of a single closed portfolio, (ii) on a modified retrospective basis for amendments related to hedge basis adjustments under the portfolio layer method, and (iii) on a prospective or retrospective basis for the amendments related to disclosures. PSEG adopted this standard prospectively on January 1, 2023. Adoption of this standard did not have an impact on the financial statements of PSEG and PSE&G.

##### **Financial Instruments—Credit Losses: Troubled Debt Restructurings and Vintage Disclosures—ASU 2022-02**

This accounting standard eliminates the accounting guidance for troubled debt restructurings by creditors that have adopted the current expected credit losses guidance and enhances the disclosure requirements for certain loan refinancings and restructurings by creditors made to borrowers experiencing financial difficulty. It also amends the guidance on vintage disclosures to require disclosure of current-period gross write-offs by year of origination for financing receivables and net investment in leases.

The standard is effective for fiscal years beginning after December 15, 2022 and early adoption is permitted. Amendments in this standard will be applied prospectively, except for the transition method related to the recognition and measurement of troubled debt restructurings where there is an option to apply a modified retrospective transition method. PSEG adopted this standard prospectively on January 1, 2023. Adoption of this standard did not have an impact on the financial statements of PSEG and PSE&G.

##### **Fair Value Measurement: Equity Securities Subject to Contractual Sale Restrictions—ASU 2022-03**

This accounting standard improves financial reporting for investors and other financial statement users by increasing comparability of financial information across reporting entities that have investments in equity securities measured at fair value that are subject to contractual restrictions preventing the sale of those securities. It clarifies that a contractual sale restriction

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should not be considered in measuring fair value. It also requires entities with investments in equity securities subject to contractual sale restrictions to disclose certain qualitative and quantitative information about such securities.

The standard is effective for fiscal years beginning after December 15, 2023 and early adoption is permitted. Amendments in this standard will be applied prospectively. PSEG is currently analyzing the impact of this standard on its financial statements.

#### **Supplier Finance Programs—ASU 2022-04**

This accounting standard enhances the transparency about the use of supplier finance programs for investors and other allocators of capital. It requires the buyer in a supplier finance program to disclose information about the key terms of the program, outstanding confirmed amounts as of the end of the period, a rollforward of such amounts during each annual period, and a description of where in the financial statements outstanding amounts are presented.

The standard is effective for fiscal years beginning after December 15, 2022, except for the disclosure of rollforward information, which is effective for fiscal years beginning after December 15, 2023. Early adoption is permitted. Amendments in this standard will be applied retrospectively to each period in which a balance sheet is presented, except for the amendment on rollforward information, which will be applied prospectively. PSEG adopted this standard retrospectively on January 1, 2023, except for the disclosure of rollforward information. Adoption of this standard did not have an impact on the financial statements of PSEG and PSE&G.

### **Note 3. Revenues**

#### **Nature of Goods and Services**

The following is a description of principal activities by which PSEG and its subsidiaries generate their revenues.

#### **PSE&G**

##### **Revenues from Contracts with Customers**

**Electric and Gas Distribution and Transmission Revenues**—PSE&G sells gas and electricity to customers under default commodity supply tariffs. PSE&G's regulated electric and gas default commodity supply and distribution services are separate tariffs which are satisfied as the product(s) and/or service(s) are delivered to the customer. The electric and gas commodity and delivery tariffs are recurring contracts in effect until modified through the regulatory approval process as appropriate. Revenue is recognized over time as the service is rendered to the customer. Included in PSE&G's regulated revenues are unbilled electric and gas revenues which represent the estimated amount customers will be billed for services rendered from the most recent meter reading to the end of the respective accounting period.

PSE&G's transmission revenues are earned under a separate tariff using a FERC-approved annual formula rate mechanism. The performance obligation of transmission service is satisfied and revenue is recognized as it is provided to the customer. The formula rate mechanism provides for an annual filing of an estimated revenue requirement with rates effective January 1 of each year and a true-up to that estimate based on actual revenue requirements. The true-up mechanism is an alternative revenue which is outside the scope of revenue from contracts with customers.

##### **Other Revenues from Contracts with Customers**

Other revenues from contracts with customers, which are not a material source of PSE&G revenues, are generated primarily from appliance repair services and solar generation projects. The performance obligations under these contracts are satisfied and revenue is recognized as control of products is delivered or services are rendered.

Payment for services rendered and products transferred are typically due on average within 30 days of delivery.

##### **Revenues Unrelated to Contracts with Customers**

Other PSE&G revenues unrelated to contracts with customers are derived from alternative revenue mechanisms recorded pursuant to regulatory accounting guidance. These revenues, which include the Conservation Incentive Program (CIP), green energy program true-ups and transmission formula rate true-ups, are not a material source of PSE&G revenues.

#### **PSEG Power & Other**

##### **Revenues from Contracts with Customers**

**Electricity and Related Products**—PSEG Power sells to the ISOs energy and ancillary services which are separately transacted in the day-ahead or real-time energy markets. The energy and ancillary services performance obligations are typically satisfied over time as delivered and revenue is recognized accordingly. In addition, wholesale load contracts have been executed in the different ISO regions for the bundled supply of energy, capacity, renewable energy credits (RECs) and ancillary services representing PSEG Power's performance obligations. Revenue for these contracts is recognized over time as the bundled

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service is provided to the customer. Transaction terms generally run from several months to three years. PSEG generally reports electricity sales and purchases conducted with those individual ISOs net on an hourly basis in either Operating Revenues or Energy Costs in its Consolidated Statements of Operations. The classification depends on the net hourly activity.

PSEG Power enters into capacity sales and capacity purchases through the ISOs. The transactions are reported on a net basis dependent on PSEG Power's monthly net sale or purchase position through the individual ISOs. The performance obligations with the ISOs are satisfied over time upon delivery of the capacity and revenue is recognized accordingly. In addition to capacity sold through the ISOs, PSEG Power sells capacity through bilateral contracts and the related revenue is reported on a gross basis and recognized over time upon delivery of the capacity.

In December 2022, PJM called its first ISO-wide Maximum Generation Emergency Action, which triggered a Performance Assessment Interval (PAI) event. During the PAI, PSEG Power's Salem 2 nuclear plant incurred penalties due to an unplanned outage during the second day of the event. Our remaining nuclear plants earned bonus payments during the entire event. The estimated net impact of Salem 2's penalties and bonuses earned by the other units was not material to PSEG's financial results.

PSEG Power's Salem 1, Salem 2 and Hope Creek nuclear plants have been awarded Zero Emission Certificates (ZECs) by the BPU through May 2025. These nuclear plants are expected to receive ZEC revenue from the electric distribution companies (EDCs) in New Jersey. PSEG Power recognizes revenue when the units generate electricity, which is when the performance obligation is satisfied. These revenues are included in PJM Sales in the following tables. See Note 4. Early Plant Retirements/Asset Dispositions and Impairments for additional information.

**Gas Contracts**—PSEG Power sells wholesale natural gas, primarily through an index based full-requirements Basic Gas Supply Service (BGSS) contract with PSE&G to meet the gas supply requirements of PSE&G's customers. The BGSS contract remains in effect unless terminated by either party with a two-year notice. Based upon the availability of natural gas, storage and pipeline capacity beyond PSE&G's daily needs, PSEG Power also sells gas and pipeline capacity to other counterparties under bilateral contracts. The performance obligation is primarily the delivery of gas which is satisfied over time. Revenue is recognized as gas is delivered or pipeline capacity is released.

**PSEG LI Contract**—PSEG LI has a contract with LIPA which generates revenues. PSEG LI's subsidiary, Servco records costs which are recovered from LIPA and records the recovery of those costs as revenues when Servco is a principal in the transaction.

### **Other Revenues from Contracts with Customers**

Prior to the sale of Solar Source in June 2021, PSEG Power entered into bilateral contracts to sell solar power and solar renewable energy certificates (SRECs) from its solar facilities. Contract terms ranged from 15 to 30 years. The performance obligations were generally solar power and SRECs which were transferred to customers upon generation. Revenue was recognized upon generation of the solar power. These performance obligations were transferred as part of the sale of Solar Source. See Note 4. Early Plant Retirements/Asset Dispositions and Impairments.

PSEG Power has entered into long-term contracts with LIPA for energy management and fuel procurement services. Revenue is recognized over time as services are rendered.

### **Revenues Unrelated to Contracts with Customers**

PSEG Power's revenues unrelated to contracts with customers include electric, gas and certain energy-related transactions accounted for in accordance with Derivatives and Hedging accounting guidance. See Note 18. Financial Risk Management Activities for further discussion. Prior to the sale of Solar Source, PSEG Power was also a party to solar contracts that qualified as leases and were accounted for in accordance with lease accounting guidance. These performance obligations were transferred as part of the sale of Solar Source. See Note 4. Early Plant Retirements/Asset Dispositions and Impairments.

Energy Holdings generates lease revenues which are recorded pursuant to lease accounting guidance.

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Disaggregation of Revenues

	PSE&G	PSEG Power & Other (A)	Eliminations	Consolidated
	Millions			
<b>Year Ended December 31, 2022</b>				
<b>Revenues from Contracts with Customers</b>				
Electric Distribution	\$ 3,503	\$ —	\$ —	\$ 3,503
Gas Distribution	2,357	—	(1)	2,356
Transmission	1,589	—	—	1,589
Electricity and Related Product Sales				
PJM				
Third-Party Sales	—	2,152	—	2,152
Sales to Affiliates	—	151	(151)	—
NYISO	—	88	—	88
ISO-NE	—	96	—	96
Gas Sales				
Third-Party Sales	—	458	—	458
Sales to Affiliates	—	1,243	(1,243)	—
<b>Other Revenues from Contracts with Customers (B)</b>	<b>390</b>	<b>605</b>	<b>(6)</b>	<b>989</b>
<b>Total Revenues from Contracts with Customers</b>	<b>7,839</b>	<b>4,793</b>	<b>(1,401)</b>	<b>11,231</b>
<b>Revenues Unrelated to Contracts with Customers (C)</b>	<b>96</b>	<b>(1,527)</b>	<b>—</b>	<b>(1,431)</b>
<b>Total Operating Revenues</b>	<b>\$ 7,935</b>	<b>\$ 3,266</b>	<b>\$ (1,401)</b>	<b>\$ 9,800</b>

	PSE&G	PSEG Power & Other (A)	Eliminations	Consolidated
	Millions			
<b>Year Ended December 31, 2021</b>				
<b>Revenues from Contracts with Customers</b>				
Electric Distribution	\$ 3,279	\$ —	\$ —	\$ 3,279
Gas Distribution	1,875	—	(13)	1,862
Transmission	1,611	—	—	1,611
Electricity and Related Product Sales				
PJM				
Third-Party Sales	—	2,003	—	2,003
Sales to Affiliates	—	265	(265)	—
NYISO	—	247	—	247
ISO-NE	—	172	—	172
Gas Sales				
Third-Party Sales	—	181	—	181
Sales to Affiliates	—	886	(886)	—
<b>Other Revenues from Contracts with Customers (B)</b>	<b>343</b>	<b>620</b>	<b>(3)</b>	<b>960</b>
<b>Total Revenues from Contracts with Customers</b>	<b>7,108</b>	<b>4,374</b>	<b>(1,167)</b>	<b>10,315</b>
<b>Revenues Unrelated to Contracts with Customers (C)</b>	<b>14</b>	<b>(607)</b>	<b>—</b>	<b>(593)</b>
<b>Total Operating Revenues</b>	<b>\$ 7,122</b>	<b>\$ 3,767</b>	<b>\$ (1,167)</b>	<b>\$ 9,722</b>

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	PSE&G	PSEG Power & Other (A)	Eliminations	Consolidated
	Millions			
<b>Year Ended December 31, 2020</b>				
<b>Revenues from Contracts with Customers</b>				
Electric Distribution	\$ 3,130	\$ —	\$ —	\$ 3,130
Gas Distribution	1,646	—	(12)	1,634
Transmission	1,485	—	—	1,485
Electricity and Related Product Sales				
PJM				
Third-Party Sales	—	1,551	—	1,551
Sales to Affiliates	—	447	(447)	—
NYISO	—	124	—	124
ISO-NE	—	126	—	126
Gas Sales				
Third-Party Sales	—	83	—	83
Sales to Affiliates	—	771	(771)	—
<b>Other Revenues from Contracts with Customers (B)</b>	<b>338</b>	<b>632</b>	<b>(4)</b>	<b>966</b>
<b>Total Revenues from Contracts with Customers</b>	<b>6,599</b>	<b>3,734</b>	<b>(1,234)</b>	<b>9,099</b>
<b>Revenues Unrelated to Contracts with Customers (C)</b>	<b>9</b>	<b>495</b>	<b>—</b>	<b>504</b>
<b>Total Operating Revenues</b>	<b>\$ 6,608</b>	<b>\$ 4,229</b>	<b>\$ (1,234)</b>	<b>\$ 9,603</b>

- (A) Includes revenues applicable to PSEG Power, PSEG LI and Energy Holdings.
- (B) Includes primarily revenues from appliance repair services and the sale of SRECs at auction at PSE&G. PSEG Power & Other includes PSEG Power's energy management fee with LIPA and PSEG LI's OSA with LIPA. PSEG Power & Other also includes PSEG Power's solar power projects in 2021 and 2020.
- (C) Includes primarily alternative revenues at PSE&G principally from the CIP program in 2022 and derivative contracts and lease contracts at PSEG Power & Other. For the years ended December 31, 2021 and 2020, PSEG Power & Other includes losses of \$9 million and \$26 million, respectively, related to Energy Holdings' investments in leases. For additional information, see Note 9. Long-Term Investments.

**Contract Balances**

**PSE&G**

PSE&G did not have any material contract balances (rights to consideration for services already provided or obligations to provide services in the future for consideration already received) as of December 31, 2022 and 2021. Substantially all of PSE&G's accounts receivable and unbilled revenues result from contracts with customers that are priced at tariff rates. Allowances represented approximately 20% and 21% of accounts receivable (including unbilled revenues) as of December 31, 2022 and 2021, respectively.

**Accounts Receivable—Allowance for Credit Losses**

PSE&G's accounts receivable, including unbilled revenues, is primarily comprised of utility customer receivables for the provision of electric and gas service and appliance services, and are reported on the balance sheet as gross outstanding amounts adjusted for an allowance for credit losses. The allowance for credit losses reflects PSE&G's best estimate of losses on the account balances. The allowance is based on PSE&G's projection of accounts receivable aging, historical experience, economic factors and other currently available evidence, including the estimated impact of the COVID-19 pandemic on the outstanding balances as of December 31, 2022. PSE&G's electric bad debt expense is recoverable through its SBC mechanism. As of December 31, 2022, PSE&G had a deferred balance of \$145 million from electric bad debts recorded as a Regulatory Asset. In addition, as of December 31, 2022, PSE&G had deferred incremental gas bad debt expense of \$68 million recorded as a Regulatory Asset for future regulatory recovery due to the impact of the coronavirus pandemic. See Note 7. Regulatory Assets and Liabilities for additional information.



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The following provides a reconciliation of PSE&G's allowance for credit losses for the years ended December 31, 2022 and 2021.

	Years Ended December 31,	
	2022	2021
	Millions	
<b>Balance at Beginning of Year</b>	\$ 337	\$ 206
Utility Customer and Other Accounts		
Provision	114	195
Write-offs, net of Recoveries of \$46 million and \$17 million for 2022 and 2021, respectively	(112)	(64)
<b>Balance at End of Year</b>	<b>\$ 339</b>	<b>\$ 337</b>

### **PSEG Power & Other**

PSEG Power generally collects consideration upon satisfaction of performance obligations, and therefore, PSEG Power had no material contract balances as of December 31, 2022 and 2021.

PSEG Power's accounts receivable include amounts resulting from contracts with customers and other contracts which are out of scope of accounting guidance for revenues from contracts with customers. The majority of these accounts receivable are subject to master netting agreements. As a result, accounts receivable resulting from contracts with customers and receivables unrelated to contracts with customers are netted within Accounts Receivable and Accounts Payable on the Consolidated Balance Sheets.

PSEG Power's accounts receivable consist mainly of revenues from energy and ancillary services sold directly to ISOs, wholesale load contracts and capacity sales which are executed in the different ISO regions, and other counterparties. In the wholesale energy markets in which PSEG Power operates, payment for services rendered and products transferred are typically due within 30 days of delivery. As such, there is little credit risk associated with these receivables. PSEG Power did not record an allowance for credit losses for these receivables as of December 31, 2022 and 2021. PSEG Power monitors the status of its counterparties on an ongoing basis to assess whether there are any anticipated credit losses.

PSEG LI did not have any material contract balances as of December 31, 2022 and 2021.

### **Remaining Performance Obligations under Fixed Consideration Contracts**

PSEG primarily records revenues as allowed by the guidance, which states that if an entity has a right to consideration from a customer in an amount that corresponds directly with the value to the customer of the entity's performance completed to date, the entity may recognize revenue in the amount to which the entity has a right to invoice. PSEG has future performance obligations under contracts with fixed consideration as follows:

**Capacity Revenues from the PJM Annual Base Residual and Incremental Auctions**—The Base Residual Auction is generally conducted annually three years in advance of the operating period. The 2022/2023 auction was held in June 2021 and the 2023/2024 auction was held in June 2022. PSEG Power expects to realize the following average capacity prices resulting from the base and incremental auctions, including unit specific bilateral contracts for previously cleared capacity obligations.

Delivery Year	\$ per Megawatt (MW)- Day	MW Cleared
June 2022 to May 2023	\$97	3,300
June 2023 to May 2024	\$49	3,700

Capacity transactions with the PJM Regional Transmission Organization are reported on a net basis dependent on PSEG Power's monthly net sale or purchase position.

**Bilateral capacity contracts**—Capacity obligations pursuant to contract terms through 2028 are anticipated to result in revenues totaling \$36 million.

**Amended OSA**—In April 2022, PSEG LI entered into an amended OSA with LIPA. The OSA remains a 12-year services contract ending in 2025 with annual fixed and variable components. The fixed fee for the provision of services thereunder in 2023 is approximately \$42 million and is updated each year based on the change in the Consumer Price Index (CPI).

## Note 4. Early Plant Retirements/Asset Dispositions and Impairments

### Nuclear

In April 2019, PSEG Power's Salem 1, Salem 2 and Hope Creek nuclear plants were awarded ZECs by the BPU. Pursuant to a process established by the BPU, ZECs are purchased from selected nuclear plants and recovered through a non-bypassable distribution charge in the amount of \$0.004 per kilowatt-hour (KWh) used (which is equivalent to approximately \$10 per megawatt hour (MWh) generated in payments to selected nuclear plants (ZEC payment)). Each nuclear plant received ZEC revenue for approximately three years, through May 2022. That first eligibility period related to the award of ZECs from the April 2019 BPU Order has concluded.

In April 2021, PSEG Power's Salem 1, Salem 2 and Hope Creek nuclear plants were awarded ZECs for the three-year eligibility period starting June 2022 at the same approximate \$10 per MWh received during the prior ZEC period through May 2022 referenced above. As a result, each nuclear plant is receiving ZEC revenue for an additional three years starting June 2022. The terms and conditions of this April 2021 ZEC award are the same as the ZEC period through May 2022. In May 2021, the New Jersey Division of Rate Counsel filed an appeal with the New Jersey Appellate Division of the BPU's April 2021 decision. PSEG cannot predict the outcome of this matter.

The award of ZECs attaches certain obligations, including an obligation to repay the ZECs in the event that a plant ceases operations during the period that it was awarded ZECs, subject to certain exceptions specified in the ZEC legislation. PSEG Power has and will continue to recognize revenue monthly as the nuclear plants generate electricity and satisfy their performance obligations. Further, the ZEC payment may be adjusted by the BPU at any time to offset environmental or fuel diversity payments that a selected nuclear plant may receive from another source.

In August 2022, the Inflation Reduction Act (IRA) was signed into law expanding incentives promoting carbon-free generation. The enacted legislation established the production tax credit (PTC) for electricity generation using nuclear energy set to begin in 2024 through 2032. The expected PTC rate is up to \$15/MWh subject to adjustment based upon a facility's gross receipts. The PTC rate and the gross receipts cap are subject to annual inflation adjustments. The U.S. Treasury is expected to clarify the definition of gross receipts prior to when the eligibility period begins in 2024. We are continuing to analyze the impact of the IRA on our nuclear units, including additional future guidance from the U.S. Treasury and the interactions with PTCs on expected ZEC payments.

PSEG Power may take all necessary steps to cease to operate all of these plants and will incur associated costs and accounting charges in the event that the financial condition of the plants is materially adversely impacted in the future. This decision may be based upon market conditions, including energy and capacity revenues, insufficient government financial support, or, in the case of the Salem nuclear plants, decisions by the EPA and state environmental regulators regarding the implementation of Section 316(b) of the Clean Water Act (CWA) and related state regulations, or other factors. The associated costs and accounting charges may include, among other things, one-time impairment charges or accelerated D&A Expense on the remaining carrying value of the plants, potential penalties associated with the early termination of capacity obligations and fuel contracts, accelerated asset retirement costs, severance costs, environmental remediation costs and, in certain circumstances potential additional funding of the NDT Fund, which would result in a material adverse impact on PSEG's results of operations.

### Non-Nuclear

In May 2021, Power Ventures, a direct wholly owned subsidiary of PSEG Power, entered into a purchase agreement with Quattro Solar, LLC, an affiliate of LS Power, relating to the sale by Power Ventures of 100% of its ownership interest in Solar Source including its related assets and liabilities. The transaction closed in June 2021. As a result of the sale, PSEG Power recorded a pre-tax gain on sale of approximately \$63 million, which is inclusive of the recognition of previously deferred unamortized ITCs of \$185 million, and income tax expense of approximately \$62 million primarily due to the recapture of ITC on units that operated for less than five years.

In August 2021, PSEG entered into two agreements to sell PSEG Power's 6,750 MW fossil generating portfolio, one agreement for the sale of assets in New Jersey and Maryland and another agreement for the sale of assets located in New York and Connecticut, to newly formed subsidiaries of ArcLight Energy Partners Fund VII, L.P., a fund controlled by ArcLight Capital Partners, LLC for aggregate consideration of approximately \$1,920 million. In February 2022, PSEG completed the sale of this fossil generating portfolio.

As a result of the Board of Directors' approval of the transactions, PSEG's fossil generating assets and liabilities to be disposed were reclassified to Assets and Liabilities Held for Sale in August 2021, and accordingly, PSEG ceased recording depreciation expense for these assets. In 2021, PSEG recorded a pre-tax impairment loss on sale of approximately \$2,691 million as the purchase price was lower than the carrying value in 2021. In addition to the impairment loss, all of PSEG Power's outstanding debt obligations were redeemed and PSEG incurred a pre-tax loss of \$298 million for the make-whole provision payable upon

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early redemption and other non-cash debt extinguishment costs and also recorded approximately \$13 million in pre-tax severance and retention charges, environmental accruals and other adjustments.

As defined in each agreement, further adjustments were required as a result of any purchase price or working capital adjustments, including an adjustment for positive or negative cash flow of the fossil generating assets based on actual performance starting after December 31, 2021 through the closing dates. As a result, in 2022 PSEG Power recorded an additional pre-tax impairment of approximately \$50 million.

As of December 31, 2021, PSEG Power's fossil generation assets and liabilities Held for Sale, including anticipated working capital, were \$2,060 million and \$144 million, respectively, as follows:

	<b>As of December 31, 2021</b>	
	Millions	
Current Assets (A)	\$	264
Property, Plant and Equipment		1,742
Noncurrent Assets		54
<b>Total Assets Held for Sale</b>	<b>\$</b>	<b>2,060</b>
Current Liabilities (B)	\$	57
Noncurrent Liabilities (C)		87
<b>Total Liabilities Held for Sale</b>	<b>\$</b>	<b>144</b>

- (A) Primarily includes Fuel, Materials and Supplies, Prepayments and Other Current Assets.
- (B) Primarily includes Accounts Payable and Other Current Liabilities.
- (C) Primarily includes Asset Retirement Obligations (AROs), Accrued Pension Costs and Other Noncurrent Liabilities.

These Held for Sale balances represent all of the assets and liabilities that were transferred to the buyer at closing. PSEG Power has retained ownership of certain liabilities excluded from the transactions primarily related to obligations under certain environmental regulations, including remediation obligations under the New Jersey Industrial Site Recovery Act and the Connecticut Transfer Act. It will require multiple years and comprehensive environmental sampling to understand the extent of and to carry out the required remediation. The full remediation costs are not estimable, but will likely be material.

In 2022, Energy Holdings recorded pre-tax impairments of \$78 million related to one of its domestic energy generating facilities and its real estate assets.

In 2020, PSEG Power completed the sale of its ownership interest in the Yards Creek generation facility and recorded a pre-tax gain on disposition of approximately \$122 million as the sale price was greater than book value.

### **Note 5. Variable Interest Entities (VIEs)**

#### **VIE for which PSEG LI is the Primary Beneficiary**

PSEG LI consolidates Servco, a marginally capitalized VIE, which was created for the purpose of operating LIPA's T&D system in Long Island, New York as well as providing administrative support functions to LIPA. PSEG LI is the primary beneficiary of Servco because it directs the operations of Servco, the activity that most significantly impacts Servco's economic performance and it has the obligation to absorb losses of Servco that could potentially be significant to Servco. Such losses would be immaterial to PSEG.

Pursuant to the OSA, Servco's operating costs are paid entirely by LIPA, and therefore, PSEG LI's risk is limited related to the activities of Servco. PSEG LI has no current obligation to provide direct financial support to Servco. In addition to payment of Servco's operating costs as provided for in the OSA, PSEG LI receives an annual contract management fee. PSEG LI's annual contractual management fee, in certain situations, could be partially offset by Servco's annual storm costs not approved by the Federal Emergency Management Agency, limited contingent liabilities and penalties for failing to meet certain performance metrics.

For transactions in which Servco acts as principal and controls the services provided to LIPA, such as transactions with its employees for labor and labor-related activities, including pension and OPEB-related transactions, Servco records revenues and the related pass-through expenditures separately in Operating Revenues and O&M Expense, respectively. In 2022, 2021 and

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2020, Servco recorded \$516 million, \$511 million and \$520 million, respectively, of O&M costs, the full reimbursement of which was reflected in Operating Revenues. For transactions in which Servco acts as an agent for LIPA, it records revenues and the related expenses on a net basis, resulting in no impact on PSEG's Consolidated Statement of Operations.

#### **VIE for which PSEG is not the Primary Beneficiary**

PSEG holds a 25% equity interest in Ocean Wind JV HoldCo, LLC (OWH), which holds Ørsted North America Inc.'s (Ørsted) Ocean Wind 1 project that is expected to achieve full commercial operation in 2025. OWH is considered a VIE since its equity investments at risk are not sufficient to permit this entity to finance its activities without additional subordinated financial support. Since PSEG does not have voting control or the power to direct the activities of OWH that most significantly impact its economic performance, PSEG has determined that it is not the primary beneficiary and therefore accounts for this investment under the equity method. As of December 31, 2022 and 2021, PSEG's carrying amount of its investment in OWH was \$225 million and \$111 million, respectively, which is included in Long-Term Investments on PSEG's Consolidated Balance Sheet. PSEG's maximum exposure to loss is limited to the carrying amount of its investment.

In January 2023, PSEG agreed to sell to Ørsted its 25% equity interest in OWH. The sale proceeds approximate PSEG's carrying value of the investment and no material gain or loss is expected upon disposition nor is the sale contingent upon Ørsted electing to proceed to the construction phase of the project. The sale is contingent upon finalization of a purchase and sale agreement with Ørsted as well as other closing conditions and any potential state regulatory approval that may be required to close on the transaction. The sale is expected to close in the first half of 2023. PSEG has no further obligation to make any capital contributions to the project prior to closing on the transaction.

### **Note 6. Property, Plant and Equipment and Jointly-Owned Facilities**

Information related to Property, Plant and Equipment as of December 31, 2022 and 2021 is detailed below:

	2022	2021
	Millions	
<b>PSE&amp;G</b>		
Electric Transmission	\$ 16,393	\$ 15,544
Electric Distribution	10,785	10,223
Gas Distribution and Transmission	10,616	9,818
Construction Work in Progress	1,336	1,196
Other	1,915	1,807
<b>Total PSE&amp;G</b>	<u>41,045</u>	<u>38,588</u>
Nuclear Production	3,567	3,656
Nuclear Fuel in Service	758	762
Construction Work in Progress	177	177
Other	377	501
<b>Total</b>	<u>\$ 45,924</u>	<u>\$ 43,684</u>

The above table excludes amounts as of December 31, 2021 which were classified as Held for Sale. For additional information see Note 4. Early Plant Retirements/Asset Dispositions and Impairments.

PSE&G and PSEG Power have ownership interests in and are responsible for providing their respective shares of the necessary financing for the following jointly-owned facilities to which they are a party. All amounts reflect PSE&G's or PSEG Power's share of the jointly-owned projects and the corresponding direct expenses are included in the Consolidated Statements of Operations as Operating Expenses.

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	Ownership Interest	As of December 31,			
		2022		2021	
		Plant	Accumulated Depreciation	Plant	Accumulated Depreciation
Millions					
<b>PSE&amp;G:</b>					
Transmission Facilities	Various	\$ 164	\$ 67	\$ 165	\$ 66
<b>PSEG Power:</b>					
Nuclear Generating:					
Peach Bottom	50 %	\$ 1,444	\$ 506	\$ 1,452	\$ 481
Salem	57 %	\$ 1,455	\$ 516	\$ 1,468	\$ 449
Nuclear Support Facilities	Various	\$ 228	\$ 119	\$ 226	\$ 107
Other	14 %	\$ 1	\$ —	\$ 1	\$ —

PSEG Power holds undivided ownership interests in the jointly-owned facilities above. PSEG Power is entitled to shares of the generating capability and output of each unit equal to its respective ownership interests. PSEG Power also pays its ownership share of additional construction costs, fuel inventory purchases and operating expenses. PSEG Power's share of expenses for the jointly-owned facilities is included in the appropriate expense category. Each owner is responsible for any financing with respect to its pro rata share of capital expenditures.

PSEG Power co-owns Salem and Peach Bottom with Constellation Energy Generation, LLC. PSEG Power is the operator of Salem and Constellation Energy Generation, LLC is the operator of Peach Bottom. A committee appointed by the co-owners provides oversight. Proposed O&M budgets and requests for major capital expenditures are reviewed and approved as part of the normal PSEG Power governance process.

### Note 7. Regulatory Assets and Liabilities

PSE&G prepares its financial statements in accordance with GAAP for regulated utilities as described in Note 1. Organization, Basis of Presentation and Significant Accounting Policies. PSE&G has deferred certain costs based on rate orders issued by the BPU or FERC or based on PSE&G's experience with prior rate proceedings. Most of PSE&G's Regulatory Assets and Liabilities as of December 31, 2022 are supported by written orders, either explicitly or implicitly through the BPU's treatment of various cost items. These costs will be recovered and amortized over various future periods.

Regulatory Assets and other investments and costs incurred under our various infrastructure filings and clause mechanisms are subject to prudence reviews and can be disallowed in the future by regulatory authorities. To the extent that collection of any infrastructure or clause mechanism revenue, Regulatory Assets or payments of Regulatory Liabilities is no longer probable, the amounts would be charged or credited to income.

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PSE&G had the following Regulatory Assets and Liabilities:

	As of December 31,	
	2022	2021
	Millions	
<b>Regulatory Assets</b>		
<b>Current</b>		
New Jersey Clean Energy Program	\$ 145	\$ 146
Electric Energy Costs—Basic Generation Service (BGS)	54	67
Tax Adjustment Credit (TAC)	52	44
Conservation Incentive Program (CIP)	51	36
2018 Distribution Base Rate Case Regulatory Assets (BRC)	47	56
Societal Benefits Clause (SBC)	20	—
Other	—	15
<b>Total Current Regulatory Assets</b>	<b>369</b>	<b>364</b>
<b>Noncurrent</b>		
Pension and OPEB Costs	\$ 1,405	\$ 1,043
Deferred Income Tax Regulatory Assets	1,168	1,064
Green Program Recovery Charges (GPRC)	447	211
Manufactured Gas Plant (MGP) Remediation Costs	206	220
Asset Retirement Obligation (ARO)	200	191
Electric Transmission and Gas Cost of Removal	156	174
SBC (Electric Bad Debt)	145	139
COVID-19 Deferral	137	116
Remediation Adjustment Charge (RAC) (Other SBC)	134	156
Deferred Storm Costs	109	109
Clean Energy Future-Energy Cloud (CEF-EC) (Advanced Metering Infrastructure (AMI))	80	5
CIP	72	12
BRC	—	47
Other	145	118
<b>Total Noncurrent Regulatory Assets</b>	<b>4,404</b>	<b>3,605</b>
<b>Total Regulatory Assets</b>	<b>\$ 4,773</b>	<b>\$ 3,969</b>

	As of December 31,	
	2022	2021
	Millions	
<b>Regulatory Liabilities</b>		
<b>Current</b>		
Deferred Income Tax Regulatory Liabilities	\$ 302	\$ 288
Gas Costs—Basic Gas Supply Service (BGSS)	35	5
GPRC	24	19
Formula Rate True-up	1	42
Other	22	34
<b>Total Current Regulatory Liabilities</b>	<b>384</b>	<b>388</b>
<b>Noncurrent</b>		
Deferred Income Tax Regulatory Liabilities	\$ 2,196	\$ 2,443
Formula Rate True-up	31	9
Other	13	45
<b>Total Noncurrent Regulatory Liabilities</b>	<b>2,240</b>	<b>2,497</b>
<b>Total Regulatory Liabilities</b>	<b>\$ 2,624</b>	<b>\$ 2,885</b>

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All Regulatory Assets and Liabilities are excluded from PSE&G's rate base unless otherwise noted. The Regulatory Assets and Liabilities in the table above are defined as follows:

- **ARO:** These costs represent the differences between rate-regulated cost of removal accounting and asset retirement accounting under GAAP. These costs will be recovered in future rates as assets are retired.
- **BRC:** Represents deferred costs, primarily comprised of storm costs incurred in the cleanup of major storms from 2010 through 2018, which are being amortized over five years pursuant to the 2018 Distribution Base Rate Case Settlement.
- **CIP:** The CIP reduces the impact on distribution revenues from changes in sales volumes and demand for most customers. The CIP, which is calculated annually, provides for a true-up of current period revenue as compared to revenue established in PSE&G's most recent distribution base rate proceeding. Recovery under the CIP is subject to certain limitations, including an actual versus allowed return on equity test and ceilings on customer rate increases. The CIP became effective in June 2021 for electric revenues and October 2021 for gas revenues. The gas CIP replaced the Weather Normalization Clause.
- **CEF-EC (AMI Initiative):** In January 2021, the BPU approved PSE&G's CEF-EC filing to provide its 2.3 million electric customers with smart meters. All of the capital and operating costs of the program will be recovered in PSE&G's next base rate case, expected in the second half of 2024. From the start of the program until the commencement of new base rates, the return on and of the capital portion of the program is included for recovery in those rates, as well as operating and stranded costs associated with the accelerated retirement of the existing non-AMI electric meters which PSE&G expects to conclude by the end of 2024. As of December 31, 2022 and 2021, the net book value of these meters was \$168 million and \$192 million, respectively.
- **COVID-19 Deferral:** These amounts represent incremental costs related to COVID-19 as authorized for deferral in an order issued by the BPU to all New Jersey regulated utilities in July 2020. The BPU authorized such utilities to create a COVID-19-related Regulatory Asset by deferring on their books and records the prudently incurred incremental costs related to COVID-19 during the Regulatory Asset period, beginning on March 9, 2020 through September 30, 2021, or 60 days after the New Jersey governor determines that the Public Health Emergency is no longer in effect, or in the absence of such a determination, 60 days from the time the Public Health Emergency automatically terminates by law, whichever is later. In December 2022, the BPU extended the deferral period to March 15, 2023. Deferred costs are to be offset by any federal or state assistance that the utility may receive as a direct result of the COVID-19 pandemic. Utilities must file quarterly reports of the costs incurred and offsets. Each participating utility may file a petition documenting its prudently incurred incremental COVID-19 costs within 60 days of the close of the extended March 15, 2023 Regulatory Asset period. Any potential rate recovery, including any prudency determinations and the appropriate period of recovery, will be addressed through that filing, or in the alternative, the utility may request that the BPU defer consideration of rate recovery for a future base rate case.
- **Deferred Income Tax Regulatory Assets:** These amounts relate to deferred income taxes arising from utility operations that have not been included in customer rates relating to depreciation, ITCs and other flow-through items, including the flowback to customers of accumulated deferred income taxes related to tax repair deductions. As part of its base rate case settlement with the BPU and the establishment of the TAC mechanism in 2018, PSE&G agreed to a ten-year flowback to customers of its accumulated deferred income taxes from previously realized tax repair deductions which resulted in the recognition of a \$581 million Regulatory Asset and Regulatory Liability as of September 30, 2018. In addition, PSE&G agreed to the current flowback of tax benefits from ongoing tax repair deductions as realized which results in the recording of a Regulatory Asset upon flowback. For the years ended December 31, 2022, 2021 and 2020, PSE&G had provided \$35 million, \$22 million and \$31 million, respectively, in current tax repair flowbacks to customers. The recovery and amortization of the tax repair-related Deferred Income Tax Regulatory Assets is being recovered through the TAC regulatory mechanism.
- **Deferred Income Tax Regulatory Liabilities:** These liabilities primarily relate to amounts due to customers for excess deferred income taxes as a result of the reduction in the federal corporate income tax rate provided in the Tax Cuts and Jobs Act of 2017 (Tax Act), and accumulated deferred income taxes from previously realized distribution-related tax repair deductions. As part of its settlement with its regulators, PSE&G agreed to refund the excess deferred income taxes as follows:

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- Unprotected distribution-related excess deferred income taxes are being refunded to customers over five years through PSE&G's TAC mechanism as approved in its 2018 distribution base rate proceeding. As of December 31, 2022, the balance remaining to be flowed back to customers was approximately \$203 million with the remaining flowback period through 2024.
- Protected distribution-related excess deferred income taxes are being refunded to customers over the remaining useful life of distribution property, plant and equipment through PSE&G's TAC mechanism. As of December 31, 2022, the balance remaining to be flowed back to customers was approximately \$882 million.
- Previously realized distribution-related tax repair deductions are being refunded to customers over ten years through PSE&G's TAC mechanism. As of December 31, 2022, the balance remaining to be flowed back to customers was approximately \$425 million through 2028.
- Protected transmission-related excess deferred income taxes are being refunded to customers over the remaining useful life of transmission property, plant and equipment through PSE&G's transmission formula rate mechanism. As of December 31, 2022, the balance remaining to be flowed back to customers was approximately \$933 million.
- Unprotected transmission-related deferred income taxes were fully refunded to customers in 2019 and 2020.
- **Deferred Storm Costs:** Incremental costs incurred in the restoration and related costs from major storms from 2019 through 2022 for which PSE&G will seek recovery in its next base rate proceeding.
- **Electric and Gas Cost of Removal:** PSE&G accrues and collects in rates for the cost of removing, dismantling and disposing of its T&D assets upon retirement. The Regulatory Asset or Liability for non-legally required cost of removal represents the difference between amounts collected in rates and costs actually incurred.
- **Electric Energy Costs—BGS:** These costs represent the over or under recovered amounts associated with BGS, as approved by the BPU. Pursuant to BPU requirements, PSE&G serves as the supplier of last resort for electric customers within its service territory that are not served by another supplier. Pricing for those services are set by the BPU as a pass-through, resulting in no margin for PSE&G's operations. Over or under recovered balances with interest are returned or recovered through monthly filings.
- **Formula Rate True-Up:** PSE&G's transmission revenues are earned under a FERC-approved annual formula rate mechanism which provides for an annual filing of an estimated revenue requirement with rates effective January 1 of each year and a true-up to that estimate based on actual revenue requirements.
- **Gas Costs—BGSS:** These costs represent the over or under recovered amounts associated with BGSS, as approved by the BPU. Pursuant to BPU requirements, PSE&G serves as the supplier of last resort for gas customers within its service territory that are not served by another supplier. Pricing for those services are set by the BPU as a pass-through, resulting in no margin for PSE&G's operations. Over or under collected balances are returned or recovered through an annual filing. Interest is accrued only on over recovered balances.
- **GPRC:** This amount represents costs of the over or under collected balances associated with various Energy Efficiency and Renewable Energy (EE & RE) Programs. PSE&G files annually with the BPU for recovery of amounts that include a return on and of its investment over the lives of the underlying investments and capital assets which range from five to ten years. Interest is accrued monthly on any over or under recovered balances. Approved components of the GPRC include: Carbon Abatement, Energy Efficiency Economic Stimulus Program (EEE), EEE Extension Program, EEE Extension II Program, Solar Generation Investment Program (Solar 4 All<sup>®</sup>), Solar 4 All<sup>®</sup> Extension, Solar 4 All<sup>®</sup> Extension II, Solar Loan II Program, Solar Loan III Program, Energy Efficiency (EE) 2017 Program, Clean Energy Future—Energy Efficiency (CEF-EE), the Transition Renewable Energy Certificate (TREC) Program, Clean Energy Act Studies (CEAS), Community Solar Energy Program (CSEP) and the Successor Solar Incentive Program (SuSI).
- **MGP Remediation Costs:** Represents the low end of the range for the remaining environmental investigation and remediation program cleanup costs for MGPs that are probable of recovery in future rates. Once these costs are incurred, they are recovered through the RAC in the SBC over a seven year period with interest.
- **New Jersey Clean Energy Program:** The BPU approved future funding requirements for EE and RE Programs. The BPU funding requirements are recovered through the SBC.



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- **Pension and OPEB Costs:** Pursuant to the adoption of accounting guidance for employers' defined benefit pension and OPEB plans, PSE&G recorded the unrecognized costs for defined benefit pension and other OPEB plans on the balance sheet as a Regulatory Asset. These costs represent net actuarial gains or losses and prior service costs which have not been expensed. These costs are amortized and recovered in future rates.
- **RAC (Other SBC):** Costs incurred to clean up MGPs which are recovered over seven years with interest through an annual filing.
- **SBC:** The SBC, as authorized by the BPU and the New Jersey Electric Discount and Energy Competition Act, includes costs related to PSE&G's electric and gas business as follows: (1) the Universal Service Fund; (2) EE & RE Programs; (3) Electric bad debt expense; and (4) the RAC for incurred MGP remediation expenditures. Over or under recovered balances with interest are to be returned or recovered through an annual filing.
- **TAC:** This represents the over or under collected balances associated with the return of excess accumulated deferred income taxes and the flowback of previously realized and current tax repair deductions under a mechanism approved by the BPU in PSE&G's 2018 Distribution Base Rate Case Settlement. Over or under collected balances are returned or recovered through an annual filing. PSE&G includes a return component on the flowback of the excess accumulated deferred income taxes and the previously realized tax repairs. Interest is accrued monthly on any over or under recovered balances.

Significant 2022 regulatory orders received and currently pending rate filings with the BPU by PSE&G are as follows:

- **BGS**—In January 2022, the BPU approved changes to BGS rates as a result of the FERC-approved changes to transmission charges, primarily as a result of the decrease in PSE&G's transmission formula rate of return on equity. PSE&G's BGS customers are being credited over a 12-month period effective February 1, 2022.
- **BGSS**—In April 2022, the BPU gave final approval to PSE&G's request to maintain the BGSS rate of approximately 41 cents per therm which had been provisionally approved effective February 1, 2022.  
In September 2022, the BPU approved on a provisional basis PSE&G's June 2022 request to increase its BGSS rate to approximately 65 cents per therm, effective October 1, 2022.  
In January 2023, PSE&G filed a self-implementing BGSS rate reduction of 15 cents per therm with the BPU. This reduction resulted in a new BGSS rate of approximately 50 cents per therm effective February 1, 2023.
- **CIP**—In February 2023, the BPU gave final approval for PSE&G to recover approximately \$52 million of deficient electric revenues over two years, with approximately \$18 million approved for recovery for the first year starting on the effective date of June 15, 2022.  
In September 2022, the BPU provisionally approved PSE&G's initial gas CIP cost recovery petition to recover over a one year period deficient gas revenues of approximately \$53 million with new rates effective October 1, 2022. The revenue deficiency is the result of lower estimated revenues as compared to a baseline established in PSE&G's most recent distribution base rate proceeding.  
In February 2023, PSE&G filed its annual electric CIP petition seeking BPU approval to recover estimated deficient electric revenues of approximately \$54 million based on the twelve month period ending May 31, 2023 with new rates proposed to be effective June 1, 2023. This matter is pending.
- **CSEP Program, a New Component of the GPRC**—In June 2022, the BPU approved PSE&G's filing to recover its initial electric revenue requirement of \$0.4 million related to the CSEP Program with the new rate effective July 1, 2022.
- **COVID-19 Deferral**—PSE&G continues to make quarterly filings as required by the BPU and has recorded a Regulatory Asset as of December 31, 2022 of approximately \$137 million for net incremental costs, including \$68 million for incremental gas bad debt expense associated with customer accounts receivable, which PSE&G expects are probable of recovery under the BPU order.  
In December 2022, the BPU approved an extension of the COVID deferral period until March 15, 2023 and ordered all New Jersey regulated utilities to file petitions documenting its prudently incurred incremental COVID-19 costs no later than 60 days thereafter.
- **Energy Strong II (ES II)**—In May 2022, the BPU approved PSE&G's updated filing for annual electric and gas revenue increases of \$17 million and \$1 million, respectively, effective June 1, 2022. These increases represent the return on and of Energy Strong II investments placed in service through January 2022.

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In November 2022, PSE&G filed its annual petition seeking BPU approval to recover the annualized increases in electric and gas revenue requirements associated with capitalized investment costs of the ES II Program, with rates to be effective May 1, 2023. In February 2023, PSE&G updated its petition for actual investments through January 31, 2023 requesting annual electric and gas revenue increases of \$16 million and \$4 million, respectively. This matter is pending.

- **Gas System Modernization Program (GSMP II)**—In May 2022, the BPU approved PSE&G’s filing for an annual gas revenue increase of \$25 million effective June 1, 2022. This increase represents the return on and of GSMP II investments placed in service through February 2022.  
In November 2022, the BPU approved PSE&G’s updated GSMP II cost recovery filing to recover an annual gas revenue increase of \$23 million effective December 1, 2022. This increase represents the return on and of GSMP II investments placed in service through August 31, 2022.  
In December 2022, PSE&G filed its next semiannual GSMP II cost recovery petition seeking BPU approval to recover in gas base rates an estimated annual revenue increase of approximately \$11 million effective June 1, 2023.
- **GPRC**—In June 2022, the BPU approved PSE&G’s updated filing for an annual electric revenue decrease of approximately \$4 million and a gas revenue increase of approximately \$1 million, with new rates effective June 15, 2022.  
In July 2022, PSE&G filed its 2022 GPRC cost recovery petition requesting BPU approval to recover increases of \$110 million and \$8 million in annual electric and gas revenues, respectively. This matter is pending.  
In September 2022, PSE&G filed a petition which requested an increase of \$320 million in its total program investment spending for the CEF-EE component of GPRC and a nine month extension to the program to make the investments. This matter is pending.
- **Pension**—In February 2023, the BPU approved an accounting order authorizing PSE&G to modify its method for calculating the amortization of the net actuarial gain or loss component of pension expense for ratemaking purposes. This methodology change for ratemaking purposes is effective for the calendar year ending December 31, 2023 and forward.
- **RAC**—In September 2022, the BPU approved PSE&G’s RAC 29 filing allowing recovery of approximately \$44 million of net MGP remediation expenditures incurred from August 1, 2020 through July 31, 2021.  
In January 2023, PSE&G filed its RAC 30 petition with the BPU seeking recovery of approximately \$44 million of net MGP expenditures incurred from August 1, 2021 through July 31, 2022. This matter is pending.
- **SuSI Program, a New Component of the GPRC**—In June 2022, the BPU approved PSE&G’s filing to recover an annual electric revenue increase of \$38 million effective June 15, 2022. These costs will be recovered as a new component of PSE&G’s existing electric GPRC.
- **SBC**—In January 2023, PSE&G filed a petition to increase its annual electric and gas rates by approximately \$52 million and \$32 million, respectively, in order to recover electric and gas costs incurred or expected to be incurred through February 2024 under its EE and Renewable Energy and Social Programs. The increase to electric rates includes the impact of increased bad debt expense as a result of the negative economic impact of the coronavirus pandemic and the resulting impact of moratoriums on collections. This matter is pending.
- **TAC**—In June 2022, the BPU approved PSE&G’s annual 2021 TAC filing to increase annual electric and gas revenues by approximately \$15 million and \$31 million, respectively. The new rates were effective June 15, 2022.  
In October 2022, PSE&G made its annual 2022 TAC filing requesting BPU approval to increase electric revenues and decrease gas revenues by approximately \$17 million and \$70 million, respectively, on an annual basis starting January 1, 2023. This matter is pending.
- **Transmission Formula Rates**—In June 2022, PSE&G filed its 2021 true-up adjustment pertaining to its transmission formula rates in effect for 2021. This filing resulted in a decrease in the 2021 annual revenue requirement of \$1 million less than the 2021 original and updated filings, incorporating the FERC-approved settlement agreement effective August 1, 2021.  
In October 2022, PSE&G filed its Annual Transmission Formula Rate Update with FERC which will result in \$69 million in increased annual transmission revenue effective January 1, 2023, subject to true-up.
- **ZEC Program**—In April 2022, the BPU approved PSE&G’s petition to refund a total of \$4 million to customers,

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including interest, for overcollections resulting from the ZEC program for the energy year ended May 31, 2021.

In January 2023, the BPU approved PSE&G's petition to set the ZEC refund component of the tariff rate to zero effective February 1, 2023. For the ZEC Energy Year ended May 31, 2022, PSE&G purchased approximately \$161 million in ZECs including interest, from the eligible nuclear plants selected by the BPU with the final payment made in August 2022. As a result of the collections and required ZEC payments, there were overcollected revenues, including interest totaling \$1.3 million, which PSE&G refunded to customers over the remainder of 2022 through January 2023 through its existing rates.

### Note 8. Leases

As of December 31, 2022, PSEG and its subsidiaries were both a lessee and a lessor in operating leases.

#### Lessee

##### PSE&G

PSE&G has operating leases for office space for customer service centers, rooftops and land for its Solar 4 All<sup>®</sup> facilities, equipment, vehicles and land for certain electric substations. These leases have remaining lease terms through 2040, some of which include options to extend the leases for up to four 5-year terms or one 10-year term; and two include options to extend the leases for one 45-year and one 48-year term, respectively. Some leases have fixed rent payments that have escalations based on certain indices, such as the CPI. Certain leases contain variable payments.

##### PSEG Power & Other

PSEG Power has operating leases for buildings, merchant transmission and equipment. These leases have remaining terms through 2025, one of which includes an option to extend the lease for up to one 5-year term. One lease has fixed rent payments that has escalations based on the CPI. Certain leases contain variable payments.

Services has operating leases for real estate and office equipment. These leases have remaining terms through 2030. Services' lease for its headquarters, which ends in 2030, includes options to extend for two 5-year terms.

#### Operating Lease Costs

The following amounts relate to total operating lease costs, including both amounts recognized in the Consolidated Statements of Operations during the years ended December 31, 2022, 2021 and 2020 and any amounts capitalized as part of the cost of another asset, and the cash flows arising from lease transactions.

	PSE&G	PSEG Power & Other	Total
	Millions		
<b>Operating Lease Costs</b>			
<b>Year Ended December 31, 2022</b>			
Long-term Lease Costs	\$ 31	\$ 25	\$ 56
Short-term Lease Costs	21	5	26
Variable Lease Costs	2	11	13
<b>Total Operating Lease Costs</b>	<b>\$ 54</b>	<b>\$ 41</b>	<b>\$ 95</b>
<b>Year Ended December 31, 2021</b>			
Cash Paid for Amounts Included in the Measurement of Operating Lease Liabilities	\$ 17	\$ 25	\$ 42
Weighted Average Remaining Lease Term in Years	11	7	9
Weighted Average Discount Rate	3.5 %	4.1 %	3.9 %

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	PSE&G	PSEG Power & Other	Total
	Millions		
<b>Operating Lease Costs</b>			
<b>Year Ended December 31, 2021</b>			
Long-term Lease Costs	\$ 24	\$ 26	\$ 50
Short-term Lease Costs	36	6	42
Variable Lease Costs	2	18	20
<b>Total Operating Lease Costs</b>	<b>\$ 62</b>	<b>\$ 50</b>	<b>\$ 112</b>
<b>Year Ended December 31, 2021</b>			
Cash Paid for Amounts Included in the Measurement of Operating Lease Liabilities	\$ 17	\$ 26	\$ 43
Weighted Average Remaining Lease Term in Years	12	8	9
Weighted Average Discount Rate	3.4 %	4.1 %	3.8 %

	PSE&G	PSEG Power & Other	Total
	Millions		
<b>Operating Lease Costs</b>			
<b>Year Ended December 31, 2020</b>			
Long-term Lease Costs	\$ 26	\$ 28	\$ 54
Short-term Lease Costs	38	7	45
Variable Lease Costs	2	29	31
<b>Total Operating Lease Costs</b>	<b>\$ 66</b>	<b>\$ 64</b>	<b>\$ 130</b>
<b>Year Ended December 31, 2020</b>			
Cash Paid for Amounts Included in the Measurement of Operating Lease Liabilities	\$ 17	\$ 28	\$ 45
Weighted Average Remaining Lease Term in Years	12	11	11
Weighted Average Discount Rate	3.5 %	4.3 %	4.0 %

Operating lease liabilities as of December 31, 2022 had the following maturities on an undiscounted basis:

	PSE&G	PSEG Power & Other	Total
	Millions		
2023	\$ 15	\$ 20	\$ 35
2024	12	16	28
2025	10	15	25
2026	8	15	23
2027	8	16	24
Thereafter	56	44	100
<b>Total Minimum Lease Payments</b>	<b>\$ 109</b>	<b>\$ 126</b>	<b>\$ 235</b>

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The following is a reconciliation of the undiscounted cash flows to the discounted Operating Lease Liabilities recognized on the Consolidated Balance Sheets:

	As of December 31, 2022		
	PSE&G	PSEG Power & Other	Total
	Millions		
Undiscounted Cash Flows	\$ 109	\$ 126	\$ 235
Reconciling Amount due to Discount Rate	(20)	(18)	(38)
<b>Total Discounted Operating Lease Liabilities</b>	<b>\$ 89</b>	<b>\$ 108</b>	<b>\$ 197</b>
	As of December 31, 2021		
	PSE&G	PSEG Power & Other	Total
	Millions		
Undiscounted Cash Flows	\$ 117	\$ 152	\$ 269
Reconciling Amount due to Discount Rate	(22)	(23)	(45)
<b>Total Discounted Operating Lease Liabilities</b>	<b>\$ 95</b>	<b>\$ 129</b>	<b>\$ 224</b>

As of December 31, 2022, the current portions of Operating Lease Liabilities included in Other Current Liabilities were \$28 million and \$12 million for PSEG and PSE&G, respectively. As of December 31, 2021, the current portions of Operating Lease Liabilities included in Other Current Liabilities were \$33 million and \$12 million for PSEG and PSE&G, respectively.

### Lessor

#### PSEG Power & Other

Energy Holdings is the lessor in leveraged leases. See Note 9. Long-Term Investments and Note 10. Financing Receivables.

Energy Holdings is the lessor in two operating leases for domestic energy generation facilities with remaining terms through 2036, one of which has an optional renewal period, and in real estate assets with remaining terms through 2049. In 2022, Energy Holdings recorded pre-tax impairments of \$78 million related to one of its domestic energy generating facilities and its real estate assets. As of December 31, 2022, Energy Holdings' property subject to these leases had a total carrying value of \$51 million, including Assets Held for Sale of \$20 million.

Energy Holdings was previously the lessor in operating leases for real estate assets which were sold in March 2020.

PSEG Nuclear, LLC, a wholly owned subsidiary of PSEG Power, is the lessor in an operating lease for certain parcels of land with terms of 28 years from commencement, plus five optional renewal periods of ten years.

Prior to the sale of Solar Source in June 2021, certain of PSEG Power's sales agreements related to its solar generating plants qualified as operating leases. Lease income was based on solar energy generation; therefore, all rental income recorded under these leases was variable.

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The following is the operating lease income for the years ended December 31, 2022, 2021 and 2020:

Operating Lease Income	Millions
<b>Year Ended December 31, 2022</b>	
Fixed Lease Income	\$ 31
Variable Lease Income	—
<b>Total Operating Lease Income</b>	<b>\$ 31</b>
<b>Year Ended December 31, 2021</b>	
Fixed Lease Income	\$ 23
Variable Lease Income	12
<b>Total Operating Lease Income</b>	<b>\$ 35</b>
<b>Year Ended December 31, 2020</b>	
Fixed Lease Income	\$ 15
Variable Lease Income	26
<b>Total Operating Lease Income</b>	<b>\$ 41</b>

Operating leases had the following minimum future fixed lease receipts as of December 31, 2022:

	Millions
2023	\$ 19
2024	19
2025	19
2026	19
2027	14
Thereafter	124
<b>Total Minimum Future Lease Receipts</b>	<b>\$ 214</b>

## Note 9. Long-Term Investments

Long-Term Investments as of December 31, 2022 and 2021 included the following:

	As of December 31,	
	2022	2021
	Millions	
<b>PSE&amp;G</b>		
Life Insurance and Supplemental Benefits	\$ 81	\$ 89
Solar Loans	62	92
<b>PSEG Power &amp; Other</b>		
Lease Investments	175	187
Equity Method Investments (A)	306	173
<b>Total Long-Term Investments</b>	<b>\$ 624</b>	<b>\$ 541</b>

- (A) During the three years ended December 31, 2022, 2021 and 2020, dividends from these investments were \$8 million, \$17 million and \$15 million, respectively.

### Leases

Energy Holdings, through its indirect subsidiaries, has investments in assets subject primarily to leveraged lease accounting. A leveraged lease is typically comprised of an investment by an equity investor and debt provided by a third-party debt investor. The debt is recourse only to the assets subject to lease and is not included on PSEG's Consolidated Balance Sheets. As an equity investor, Energy Holdings' equity investments in the leases are comprised of the total expected lease receivables over the lease terms, reduced for any income not yet earned on the leases. This amount is included in Long-Term Investments on PSEG's Consolidated Balance Sheets. The more rapid depreciation of the leased property for tax purposes creates tax cash flow

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that will be repaid to the taxing authority in later periods. As such, the liability for such taxes due is recorded in Deferred Income Taxes on PSEG's Consolidated Balance Sheets.

Leveraged leases outstanding as of December 31, 2022 commenced in or prior to 2000. The following table shows Energy Holdings' gross and net lease investment as of December 31, 2022 and 2021.

	As of December 31,	
	2022	2021
	Millions	
Lease Receivables (net of Non-Recourse Debt)	\$ 249	\$ 274
Estimated Residual Value of Leased Assets	—	—
Total Investment in Rental Receivables	249	274
Unearned and Deferred Income	(74)	(87)
Gross Investments in Leases	175	187
Deferred Tax Liabilities	(39)	(42)
<b>Net Investments in Leases</b>	<b>\$ 136</b>	<b>\$ 145</b>

The pre-tax income and income tax effects related to investments in leases, excluding gains and losses on sales and the impacts of the Tax Act, were as follows:

	Years Ended December 31,		
	2022	2021	2020
	Millions		
Pre-Tax Income from Leases	\$ 13	\$ 13	\$ 18
Income Tax Expense on Income from Leases	\$ 3	\$ 3	\$ 2

### Equity Method Investment

PSEG had a 25% equity interest in Ørsted's Ocean Wind 1 project of \$225 million and \$111 million as of December 31, 2022 and 2021, respectively. For additional information see Note 5. Variable Interest Entities.

PSEG also had a 50% ownership interest in Kalaeloa, a combined-cycle generation facility in Hawaii of \$71 million and \$62 million as of December 31, 2022 and 2021, respectively.

PSEG has also invested in certain funds sponsored by Energy Impact Partners LP, totaling \$10 million as of December 31, 2022.

## Note 10. Financing Receivables

### PSE&G

PSE&G's Solar Loan Programs are designed to help finance the installation of solar power systems throughout its electric service area. Interest income on the loans is recorded on an accrual basis. The loans are paid back with SRECs generated from the related installed solar electric system. PSE&G uses collection experience as a credit quality indicator for its Solar Loan Programs and conducts a comprehensive credit review for all prospective borrowers. As of December 31, 2022, none of the solar loans were impaired; however, in the event of a loan default, the basis of the solar loan would be recovered through a regulatory recovery mechanism. Therefore, no current credit losses have been recorded for Solar Loan Programs I, II and III. A substantial portion of these loan amounts are noncurrent and reported in Long-Term Investments on PSEG's and PSE&G's Consolidated Balance Sheets. The following table reflects the outstanding loans by class of customer, none of which would be considered "non-performing."

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<b>Outstanding Loans by Class of Customer</b>	<b>As of December 31,</b>	
	<b>2022</b>	<b>2021</b>
	Millions	
Commercial/Industrial	\$ 85	\$ 116
Residential	4	5
Total	89	121
Current Portion (included in Accounts Receivable)	(27)	(29)
<b>Noncurrent Portion (included in Long-Term Investments)</b>	<b>\$ 62</b>	<b>\$ 92</b>

The solar loans originated under three Solar Loan Programs are comprised as follows:

<b>Programs</b>	<b>Balance as of December 31, 2022</b>	<b>Funding Provided</b>	<b>Residential Loan Term</b>	<b>Non-Residential Loan Term</b>
	Millions			
Solar Loan I	\$ 9	prior to 2013	10 years	15 years
Solar Loan II	42	prior to 2015	10 years	15 years
Solar Loan III	38	largely funded as of December 31, 2022	10 years	10 years
<b>Total</b>	<b>\$ 89</b>			

The average life of loans paid in full is eight years, which is lower than the loan terms of 10 to 15 years due to the generation of SRECs being greater than expected and/or cash payments made to the loan. Payments on all outstanding loans were current as of December 31, 2022 and have an average remaining life of approximately three years. There are no remaining residential loans outstanding under the Solar Loan I program.

### Energy Holdings

Energy Holdings had net investments in assets subject to leveraged lease accounting of \$136 million as of December 31, 2022 and \$145 million as of December 31, 2021 (see Note 9. Long-Term Investments).

The corresponding receivables associated with the lease portfolio are reflected as follows, net of non-recourse debt. The ratings in the table represent the ratings of the entities providing payment assurance to Energy Holdings.

<b>Counterparties' Credit Rating Standard &amp; Poor's (S&amp;P) as of December 31, 2022</b>	<b>Lease Receivables, Net of Non-Recourse Debt</b>	
	<b>As of December 31, 2022</b>	
	Millions	
AA	\$	8
A-		47
BBB+ to BBB		194
<b>Total</b>	<b>\$</b>	<b>249</b>

PSEG recorded no credit losses for the leveraged leases existing on December 31, 2022. Upon the occurrence of certain defaults, indirect subsidiaries of Energy Holdings would exercise their rights and seek recovery of their investments, potentially including stepping into the lease directly to protect their investments. While these actions could ultimately protect or mitigate the loss of value, they could require the use of significant capital and trigger certain material tax obligations which could, for certain leases, wholly or partially be mitigated by tax indemnification claims against the counterparty. A bankruptcy of a lessee would likely delay and potentially limit any efforts on the part of the lessors to assert their rights upon default and could delay the monetization of claims.

## Note 11. Trust Investments

### NDT Fund

In accordance with NRC regulations, entities owning an interest in nuclear generating facilities are required to determine the costs and funding methods necessary to decommission such facilities upon termination of operation. As a general practice, each nuclear owner places funds in independent external trust accounts it maintains to provide for decommissioning. PSEG Power is



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required to file periodic reports with the NRC demonstrating that its NDT Fund meets the formula-based minimum NRC funding requirements. PSEG Power maintains an external master NDT to fund its share of decommissioning costs for its five nuclear facilities upon their respective termination of operation. The trust contains two separate funds: a qualified fund and a non-qualified fund. Section 468A of the Internal Revenue Code limits the amount of money that can be contributed into a qualified fund. PSEG Power's share of decommissioning costs related to its five nuclear units was estimated to be between \$3.0 billion and \$3.4 billion, including contingencies. The liability for decommissioning recorded on a discounted basis as of December 31, 2022 was approximately \$1.1 billion and is included in the ARO. The funds are managed by third-party investment managers who operate under investment guidelines developed by PSEG Power.

The following tables show the fair values and gross unrealized gains and losses for the securities held in the NDT Fund.

	As of December 31, 2022			
	Cost	Gross Unrealized Gains	Gross Unrealized Losses	Fair Value
Millions				
Equity Securities				
Domestic	\$ 476	\$ 232	\$ (12)	\$ 696
International	336	68	(28)	376
<b>Total Equity Securities</b>	<b>812</b>	<b>300</b>	<b>(40)</b>	<b>1,072</b>
Available-for-Sale Debt Securities				
Government	721	—	(94)	627
Corporate	597	1	(69)	529
<b>Total Available-for-Sale Debt Securities</b>	<b>1,318</b>	<b>1</b>	<b>(163)</b>	<b>1,156</b>
<b>Total NDT Fund Investments (A)</b>	<b>\$ 2,130</b>	<b>\$ 301</b>	<b>\$ (203)</b>	<b>\$ 2,228</b>

(A) The NDT Fund Investments table excludes cash and foreign currency of \$2 million as of December 31, 2022, which is part of the NDT Fund.

	As of December 31, 2021			
	Cost	Gross Unrealized Gains	Gross Unrealized Losses	Fair Value
Millions				
Equity Securities				
Domestic	\$ 491	\$ 363	\$ (3)	\$ 851
International	346	119	(15)	450
<b>Total Equity Securities</b>	<b>837</b>	<b>482</b>	<b>(18)</b>	<b>1,301</b>
Available-for-Sale Debt Securities				
Government	683	12	(8)	687
Corporate	637	16	(6)	647
<b>Total Available-for-Sale Debt Securities</b>	<b>1,320</b>	<b>28</b>	<b>(14)</b>	<b>1,334</b>
<b>Total NDT Fund Investments (A)</b>	<b>\$ 2,157</b>	<b>\$ 510</b>	<b>\$ (32)</b>	<b>\$ 2,635</b>

(A) The NDT Fund Investments table excludes cash and foreign currency of \$2 million as of December 31, 2021, which is part of the NDT Fund.

Net unrealized gains (losses) on debt securities of \$(95) million (after-tax) were included in Accumulated Other Comprehensive Loss on PSEG's Consolidated Balance Sheet as of December 31, 2022. The portion of net unrealized gains (losses) recognized during 2022 related to equity securities still held at the end of December 31, 2022 was \$(163) million.

The amounts in the preceding tables do not include receivables and payables for NDT Fund transactions which have not settled at the end of each period. Such amounts are included in Accounts Receivable and Accounts Payable on the Consolidated Balance Sheets as shown in the following table.

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	As of December 31,	
	2022	2021
	Millions	
Accounts Receivable	\$ 14	\$ 11
Accounts Payable	\$ 6	\$ 11

The following table shows the value of securities in the NDT Fund that have been in an unrealized loss position for less than and greater than 12 months.

	As of December 31, 2022				As of December 31, 2021			
	Less Than 12 Months		Greater Than 12 Months		Less Than 12 Months		Greater Than 12 Months	
	Fair Value	Gross Unrealized Losses	Fair Value	Gross Unrealized Losses	Fair Value	Gross Unrealized Losses	Fair Value	Gross Unrealized Losses
	Millions							
Equity Securities (A)								
Domestic	\$ 90	\$ (10)	\$ 9	\$ (2)	\$ 69	\$ (3)	\$ —	\$ —
International	88	(12)	38	(16)	76	(13)	9	(2)
Total Equity Securities	178	(22)	47	(18)	145	(16)	9	(2)
Available-for-Sale Debt Securities								
Government (B)	301	(27)	292	(67)	332	(5)	67	(3)
Corporate (C)	221	(21)	249	(48)	306	(4)	30	(2)
Total Available-for-Sale Debt Securities	522	(48)	541	(115)	638	(9)	97	(5)
<b>NDT Trust Investments</b>	<b>\$ 700</b>	<b>\$ (70)</b>	<b>\$ 588</b>	<b>\$ (133)</b>	<b>\$ 783</b>	<b>\$ (25)</b>	<b>\$ 106</b>	<b>\$ (7)</b>

- (A) Equity Securities—Investments in marketable equity securities within the NDT Fund are primarily in common stocks within a broad range of industries and sectors. Unrealized gains and losses on these securities are recorded in Net Income.
- (B) Debt Securities (Government)—Unrealized gains and losses on these securities are recorded in Accumulated Other Comprehensive Income (Loss). The unrealized losses on PSEG Power’s NDT investments in U.S. Treasury obligations and Federal Agency mortgage-backed securities were caused by interest rate changes. PSEG Power also has investments in municipal bonds. It is not expected that these securities will settle for less than their amortized cost. PSEG Power does not intend to sell these securities nor will it be more-likely-than-not required to sell before recovery of their amortized cost. PSEG Power did not recognize credit losses for U.S. Treasury obligations and Federal Agency mortgage-backed securities because these investments are guaranteed by the U.S. government or an agency of the U.S. government. PSEG Power did not recognize credit losses for municipal bonds because they are primarily investment grade securities.
- (C) Debt Securities (Corporate)—Unrealized gains and losses on these securities are recorded in Accumulated Other Comprehensive Income (Loss). Unrealized losses were due to market declines. It is not expected that these securities would settle for less than their amortized cost. PSEG Power does not intend to sell these securities nor will it be more-likely-than-not required to sell before recovery of their amortized cost. PSEG Power did not recognize credit losses for corporate bonds because they are primarily investment grade securities.

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The proceeds from the sales of and the net gains (losses) on securities in the NDT Fund were:

	Years Ended December 31,		
	2022	2021	2020
	Millions		
<b>Proceeds from Sales (A)</b>	<b>\$ 1,521</b>	<b>\$ 1,930</b>	<b>\$ 2,031</b>
Net Realized Gains (Losses):			
Gross Realized Gains	\$ 86	\$ 236	\$ 214
Gross Realized Losses	(136)	(70)	(94)
<b>Net Realized Gains (Losses) on NDT Fund (B)</b>	<b>(50)</b>	<b>166</b>	<b>120</b>
Net Unrealized Gains (Losses) on Equity Securities	(205)	19	120
Impairment of Available-for-Sale Debt Securities (C)	—	—	(3)
<b>Net Gains (Losses) on NDT Fund Investments</b>	<b>\$ (255)</b>	<b>\$ 185</b>	<b>\$ 237</b>

- (A) Includes activity in accounts related to the liquidation of funds being transitioned within the trust.
- (B) The cost of these securities was determined on the basis of specific identification.
- (C) PSEG Power recognized an impairment of available-for-sale debt securities in 2020. PSEG Power's policy is to sell all securities that are rated below investment grade.

The NDT Fund debt securities held as of December 31, 2022 had the following maturities:

<u>Time Frame</u>	<u>Fair Value</u>
	Millions
Less than one year	\$ 12
1 - 5 years	319
6 - 10 years	221
11 - 15 years	62
16 - 20 years	96
Over 20 years	446
<b>Total NDT Available-for-Sale Debt Securities</b>	<b>\$ 1,156</b>

PSEG Power periodically assesses individual debt securities whose fair value is less than amortized cost to determine whether the investments are impaired. For these securities, management considers its intent to sell or requirement to sell a security prior to expected recovery. In those cases where a sale is expected, any impairment would be recorded through earnings. For fixed income securities where there is no intent to sell or likely requirement to sell, management evaluates whether credit loss is a component of the impairment. If so, that portion is recorded through earnings while the noncredit loss component is recorded through Accumulated Other Comprehensive Income (Loss). Any subsequent recoveries of the noncredit loss component of the impairment would be recorded through Accumulated Other Comprehensive Income (Loss). Any subsequent recoveries of the credit loss component would be recognized through earnings. The assessment of fair market value compared to cost is applied on a weighted average basis taking into account various purchase dates and initial cost of the securities.

### Rabbi Trust

PSEG maintains certain unfunded nonqualified benefit plans to provide supplemental retirement and deferred compensation benefits to certain key employees. Certain assets related to these plans have been set aside in a grantor trust commonly known as a "Rabbi Trust."

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The following tables show the fair values, gross unrealized gains and losses and amortized cost basis for the securities held in the Rabbi Trust.

	As of December 31, 2022			
	Cost	Gross Unrealized Gains	Gross Unrealized Losses	Fair Value
	Millions			
Domestic Equity Securities	\$ 14	\$ 6	\$ —	\$ 20
Available-for-Sale Debt Securities				
Government	110	—	(21)	89
Corporate	89	—	(15)	74
Total Available-for-Sale Debt Securities	199	—	(36)	163
<b>Total Rabbi Trust Investments</b>	<b>\$ 213</b>	<b>\$ 6</b>	<b>\$ (36)</b>	<b>\$ 183</b>

	As of December 31, 2021			
	Cost	Gross Unrealized Gains	Gross Unrealized Losses	Fair Value
	Millions			
Domestic Equity Securities	\$ 14	\$ 12	\$ —	\$ 26
Available-for-Sale Debt Securities				
Government	107	1	(1)	107
Corporate	105	5	(1)	109
Total Available-for-Sale Debt Securities	212	6	(2)	216
<b>Total Rabbi Trust Investments</b>	<b>\$ 226</b>	<b>\$ 18</b>	<b>\$ (2)</b>	<b>\$ 242</b>

Net unrealized gains (losses) on debt securities of \$(26) million (after-tax) were included in Accumulated Other Comprehensive Loss on PSEG's Consolidated Balance Sheet as of December 31, 2022. The portion of net unrealized gains (losses) recognized during 2022 related to equity securities still held at the end of December 31, 2022 was \$(6) million.

The amounts in the preceding tables do not include receivables and payables for Rabbi Trust Fund transactions which have not settled at the end of each period. Such amounts are included in Accounts Receivable and Accounts Payable on the Consolidated Balance Sheets as shown in the following table.

	As of December 31,	
	2022	2021
	Millions	
Accounts Receivable	\$ 1	\$ 1
Accounts Payable	\$ —	\$ —

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The following table shows the value of securities in the Rabbi Trust Fund that have been in an unrealized loss position for less than and greater than 12 months:

	As of December 31, 2022				As of December 31, 2021			
	Less Than 12 Months		Greater Than 12 Months		Less Than 12 Months		Greater Than 12 Months	
	Fair Value	Gross Unrealized Losses	Fair Value	Gross Unrealized Losses	Fair Value	Gross Unrealized Losses	Fair Value	Gross Unrealized Losses
	Millions							
Available-for-Sale Debt Securities								
Government (A)	\$ 32	\$ (5)	\$ 57	\$ (16)	\$ 57	\$ —	\$ 16	\$ (1)
Corporate (B)	35	(5)	39	(10)	40	(1)	5	—
Total Available-for-Sale Debt Securities	67	(10)	96	(26)	97	(1)	21	(1)
<b>Rabbi Trust Investments</b>	<b>\$ 67</b>	<b>\$ (10)</b>	<b>\$ 96</b>	<b>\$ (26)</b>	<b>\$ 97</b>	<b>\$ (1)</b>	<b>\$ 21</b>	<b>\$ (1)</b>

- (A) Debt Securities (Government)—Unrealized gains and losses on these securities are recorded in Accumulated Other Comprehensive Income (Loss). The unrealized losses on PSEG’s Rabbi Trust investments in U.S. Treasury obligations and Federal Agency mortgage-backed securities were caused by interest rate changes. PSEG also has investments in municipal bonds. It is not expected that these securities will settle for less than their amortized cost. PSEG does not intend to sell these securities nor will it be more-likely-than-not required to sell before recovery of their amortized cost. PSEG did not recognize credit losses for U.S. Treasury obligations and Federal Agency mortgage-backed securities because these investments are guaranteed by the U.S. government or an agency of the U.S. government. PSEG did not recognize credit losses for municipal bonds because they are primarily investment grade securities.
- (B) Debt Securities (Corporate)—Unrealized gains and losses on these securities are recorded in Accumulated Other Comprehensive Income (Loss). Unrealized losses were due to market declines. It is not expected that these securities would settle for less than their amortized cost. PSEG does not intend to sell these securities nor will it be more-likely-than-not required to sell before recovery of their amortized cost. PSEG did not recognize credit losses for corporate bonds because they are primarily investment grade.

The proceeds from the sales of and the net gains (losses) on securities in the Rabbi Trust Fund were:

	Years Ended December 31,		
	2022	2021	2020
	Millions		
<b>Proceeds from Rabbi Trust Sales</b>	<b>\$ 65</b>	<b>\$ 170</b>	<b>\$ 203</b>
Net Realized Gains (Losses):			
Gross Realized Gains	\$ 5	\$ 16	\$ 19
Gross Realized Losses	(9)	(8)	(6)
<b>Net Realized Gains (Losses) on Rabbi Trust (A)</b>	<b>(4)</b>	<b>8</b>	<b>13</b>
Net Unrealized Gains (Losses) on Equity Securities	(6)	1	3
<b>Net Gains (Losses) on Rabbi Trust Investments</b>	<b>\$ (10)</b>	<b>\$ 9</b>	<b>\$ 16</b>

- (A) The cost of these securities was determined on the basis of specific identification.

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The Rabbi Trust debt securities held as of December 31, 2022 had the following maturities:

<u>Time Frame</u>	<u>Fair Value</u>
	Millions
Less than one year	\$ —
1 - 5 years	29
6 - 10 years	23
11 - 15 years	7
16 - 20 years	16
Over 20 years	88
<b>Total Rabbi Trust Available-for-Sale Debt Securities</b>	<b>\$ 163</b>

PSEG periodically assesses individual debt securities whose fair value is less than amortized cost to determine whether the investments are considered to be impaired. For these securities, management considers its intent to sell or requirement to sell a security prior to expected recovery. In those cases where a sale is expected, any impairment would be recorded through earnings. For fixed income securities where there is no intent to sell or likely requirement to sell, management evaluates whether credit loss is a component of the impairment. If so, that portion is recorded through earnings while the noncredit loss component is recorded through Accumulated Other Comprehensive Income (Loss). Any subsequent recoveries of the noncredit loss component of the impairment would be recorded through Accumulated Other Comprehensive Income (Loss). Any subsequent recoveries of the credit loss component would be recognized through earnings. The assessment of fair market value compared to cost is applied on a weighted average basis taking into account various purchase dates and initial cost of the securities.

The fair value of the Rabbi Trust related to PSEG and PSE&G are detailed as follows:

	<u>As of December 31,</u> <u>2022</u>	<u>As of December 31,</u> <u>2021</u>
	Millions	
PSE&G	\$ 32	\$ 43
PSEG Power & Other	151	199
<b>Total Rabbi Trust Investments</b>	<b>\$ 183</b>	<b>\$ 242</b>

### Note 12. Intangibles

As of December 31, 2022 and 2021, PSEG had intangible assets of \$14 million and \$20 million, respectively, related to RECs, which are recorded at cost and evaluated for impairment at least annually. As load is served under contracts requiring energy from renewable sources, the related expense is recorded.

The changes to PSEG's intangible assets during 2021 and 2022 are as follows:

	<u>Emissions</u> <u>Allowances</u>	<u>RECs</u>	<u>Total Intangibles</u>
	Millions		
Balance as of January 1, 2021	\$ 112	\$ 46	\$ 158
Retirements	(58)	(114)	(172)
Purchases	9	89	98
Sales and Transfers (A)	(62)	(1)	(63)
Impairments	(1)	—	(1)
<b>Balance as of December 31, 2021</b>	<b>\$ —</b>	<b>\$ 20</b>	<b>\$ 20</b>
Retirements	—	(76)	(76)
Purchases	—	70	70
<b>Balance as of December 31, 2022</b>	<b>\$ —</b>	<b>\$ 14</b>	<b>\$ 14</b>

(A) Includes \$52 million classified as Assets Held for Sale. See Note 4. Early Plant Retirements/Asset Dispositions and Impairments.

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### Note 13. Asset Retirement Obligations (AROs)

PSEG and PSE&G recognize liabilities for the expected cost of retiring long-lived assets for which a legal obligation exists to remove or dispose of an asset or some component of an asset at retirement. These AROs are recorded at fair value in the period in which they are incurred and are capitalized as part of the carrying amount of the related long-lived assets. PSEG's subsidiaries, except for PSE&G, accrete the ARO liability to reflect the passage of time with the corresponding expense recorded in O&M. PSE&G, as a rate-regulated entity, recognizes Regulatory Assets or Liabilities as a result of timing differences between the recording of costs and costs recovered through the rate-making process.

PSE&G has conditional AROs primarily for legal obligations related to the removal of treated wood poles and the requirement to seal natural gas pipelines at all sources of gas when the pipelines are no longer in service. PSE&G does not record an ARO for its protected steel and poly-based natural gas lines, as management believes that these categories of gas lines have an indeterminable life.

PSEG's other ARO liability primarily relates to decommissioning of its nuclear power plants in accordance with NRC requirements. PSEG has an independent external trust that is intended to fund decommissioning of its nuclear facilities upon termination of operation. For additional information, see Note 11. Trust Investments. PSEG also identified conditional AROs related to PSEG's retained fossil generation sites primarily related to liabilities for removal of asbestos. To estimate the fair value of its other AROs, PSEG uses a probability weighted, discounted cash flow model which, on a unit by unit basis, considers multiple outcome scenarios that include significant estimates and assumptions, and are based on third-party decommissioning cost estimates, cost escalation rates, inflation rates and discount rates.

Updated nuclear cost studies are obtained triennially unless new information necessitates more frequent updates. The most recent cost study was done in 2021. When assumptions are revised to calculate fair values of existing AROs, generally, the ARO balance and corresponding long-lived asset are adjusted which impact the amount of accretion and depreciation expense recognized in future periods. For PSE&G, Regulatory Assets and Regulatory Liabilities result when accretion and amortization are adjusted to match rates established by regulators resulting in the regulatory deferral of any gain or loss.

The changes to the ARO liabilities for PSEG and PSE&G during 2021 and 2022 are presented in the following table:

	PSEG	PSE&G	PSEG Power & Other
	Millions		
ARO Liability as of January 1, 2021	\$ 1,212	\$ 314	\$ 898
Liabilities Settled	(15)	(14)	(1)
Adjustments (B)	(37)	—	(37)
Accretion Expense	44	—	44
Accretion Expense Deferred and Recovered in Rate Base (A)	16	16	—
Revision to Present Values of Estimated Cash Flows	353	47	306
<b>ARO Liability as of December 31, 2021</b>	<b>\$ 1,573</b>	<b>\$ 363</b>	<b>\$ 1,210</b>
Liabilities Settled	\$ (15)	\$ (15)	\$ —
Accretion Expense	50	—	50
Accretion Expense Deferred and Recovered in Rate Base (A)	17	17	—
Revision to Present Values of Estimated Cash Flows	(126)	19	(145)
<b>ARO Liability as of December 31, 2022</b>	<b>\$ 1,499</b>	<b>\$ 384</b>	<b>\$ 1,115</b>

(A) Not reflected as expense in Consolidated Statements of Operations.

(B) Represents amounts related to the sale of the solar plants and the fossil generating assets classified as Held for Sale.

In February 2022, the NRC issued an order related to its review of the subsequent license renewal (SLR) application for the Peach Bottom nuclear units. While the NRC had previously granted the SLR to the Peach Bottom units, the NRC was responding to pending motions that had not previously been adjudicated. In its decision, the NRC concluded that the previous environmental review required by the National Environmental Policy Act (NEPA) was incomplete because it did not adequately address environmental impacts resulting from extending the units' licenses by 20 years. As a result, at the direction of the NRC, the NRC staff changed the expiration dates for the licenses back to 2033 and 2034, until the completion of the NEPA analysis. The NRC directed, however, that the subsequently renewed licenses themselves remain in effect. The NRC also stated that it

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fully expects that the staff will complete its update of the NEPA analysis before 2033. As such, at this time, PSEG has not adjusted the useful lives or the assumed shutdown probabilities assigned to the ARO of the units as PSEG believes that the licenses will be updated to reflect the approved 2053 and 2054 expiration dates within the current license period. PSEG will continue to monitor this matter for further developments and any change to the estimated useful lives and ARO probabilities could have an adverse financial statement impact, which may be material.

In August 2022, the IRA was signed into law expanding incentives promoting carbon-free generation. The enacted legislation established a PTC for electricity generation using nuclear energy set to begin in 2024 through 2032. As a result, PSEG reassessed the Asset Retirement Cost (ARC) and ARO assumptions related to its nuclear units. This resulted in a decrease to the ARC asset and ARO liability of \$145 million primarily due to an adjustment in the assumed estimated timing of cash flows associated with decommissioning the units. See Note 4. Early Plant Retirements/Asset Dispositions and Impairments for additional information on PTCs.

During 2021, PSE&G recorded an increase to its ARO liabilities primarily due to the impact of increases in labor rates and other costs, partially offset by decreases from changes in inflation and discount rate assumptions. Those changes had no impact on PSE&G's Consolidated Statement of Operations.

In April 2021, the BPU awarded ZECs to PSEG Power's Salem 1, Salem 2 and Hope Creek nuclear plants for an additional three years through May 2025. Concurrent with the BPU's decision, PSEG reassessed the ARC and ARO assumptions related to the Salem and Hope Creek units. This resulted in an increase to the ARC asset and ARO liability of \$51 million, primarily due to lower discount rates and higher inflation. See Note 4. Early Plant Retirements/Asset Dispositions and Impairments for additional information on ZECs.

In December 2021, PSEG recorded an additional increase to its ARO liabilities primarily due to changes in decommissioning assumptions related to its nuclear units of \$255 million. The changes in the decommissioning assumptions relate to the inclusion of certain spent fuel costs and previously assumed levels of reimbursement by the federal government as prescribed under the Nuclear Waste Policy Act. These changes had an immaterial impact on PSEG's Consolidated Statement of Operations. In addition, PSEG reviewed its probabilities of early retirement on its nuclear units and concluded that no adjustments were necessary as of December 31, 2021.

### **Note 14. Pension, Other Postretirement Benefits (OPEB) and Savings Plans**

PSEG sponsors and Services administers qualified and nonqualified pension plans and OPEB plans covering PSEG's and its participating affiliates' current and former employees who meet certain eligibility criteria. PSEG's qualified pension plans consist of two qualified defined benefit pension plans, Pension Plan and Pension Plan II. Each of the qualified pension plans include a Final Average Pay and two Cash Balance components. In addition, represented and non-represented employees are eligible for participation in PSEG's two defined contribution plans.

PSEG and PSE&G are required to record the under or over funded positions of their defined benefit pension and OPEB plans on their respective balance sheets. Such funding positions are required to be measured as of the date of their respective year-end Consolidated Balance Sheets. For underfunded plans, the liability is equal to the difference between the plan's benefit obligation and the fair value of plan assets. For defined benefit pension plans, the benefit obligation is the projected benefit obligation. For OPEB plans, the benefit obligation is the accumulated postretirement benefit obligation. In addition, GAAP requires that the total unrecognized costs for defined benefit pension and OPEB plans be recorded as an after-tax charge to Accumulated Other Comprehensive Income (Loss), a separate component of Stockholders' Equity. However, for PSE&G, because the amortization of the unrecognized costs is being collected from customers, the accumulated unrecognized costs are recorded as a Regulatory Asset. The unrecognized costs represent actuarial gains or losses and prior service costs which have not been expensed. The charge to Accumulated Other Comprehensive Income (Loss) and the Regulatory Asset for PSE&G are amortized and recorded as net periodic pension cost in the Consolidated Statements of Operations.

Amounts for Servco are not included in any of the following pension and OPEB benefit information for PSEG and its affiliates but rather are separately disclosed later in this note.

The following table provides a roll-forward of the changes in the benefit obligation and the fair value of plan assets during each of the two years in the periods ended December 31, 2022 and 2021. It also provides the funded status of the plans and the amounts recognized and amounts not recognized on the Consolidated Balance Sheets at the end of both years.



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	Pension Benefits		Other Benefits	
	2022	2021	2022	2021
	Millions			
<b>Change in Benefit Obligation</b>				
Benefit Obligation at Beginning of Year (A)	\$ 7,240	\$ 7,507	\$ 1,197	\$ 1,306
Service Cost	142	151	6	9
Interest Cost	167	140	26	22
Actuarial (Gain) Loss (B)	(1,517)	(199)	(314)	(90)
Gross Benefits Paid	(382)	(359)	(61)	(50)
Other	(22)	—	(3)	—
<b>Benefit Obligation at End of Year (A)</b>	<b>\$ 5,628</b>	<b>\$ 7,240</b>	<b>\$ 851</b>	<b>\$ 1,197</b>
<b>Change in Plan Assets</b>				
Fair Value of Assets at Beginning of Year	\$ 6,906	\$ 6,368	\$ 606	\$ 564
Actual Return on Plan Assets	(1,606)	886	(139)	79
Employer Contributions	11	11	23	13
Gross Benefits Paid	(382)	(359)	(61)	(50)
Other	(18)	—	—	—
<b>Fair Value of Assets at End of Year</b>	<b>\$ 4,911</b>	<b>\$ 6,906</b>	<b>\$ 429</b>	<b>\$ 606</b>
<b>Funded Status</b>				
<b>Funded Status (Plan Assets less Benefit Obligation)</b>	<b>\$ (717)</b>	<b>\$ (334)</b>	<b>\$ (422)</b>	<b>\$ (591)</b>
<b>Additional Amounts Recognized in the Consolidated Balance Sheets</b>				
Current Accrued Benefit Cost (C)	\$ (12)	\$ (16)	\$ (12)	\$ (19)
Noncurrent Accrued Benefit Cost	(705)	(318)	(410)	(572)
<b>Amounts Recognized</b>	<b>\$ (717)</b>	<b>\$ (334)</b>	<b>\$ (422)</b>	<b>\$ (591)</b>
<b>Additional Amounts Recognized in Accumulated Other Comprehensive Income (Loss), Regulated Assets and Deferred Assets (D)</b>				
Prior Service Credit	\$ —	\$ —	\$ (52)	\$ (181)
Net Actuarial Loss	2,151	1,643	41	193
<b>Total</b>	<b>\$ 2,151</b>	<b>\$ 1,643</b>	<b>\$ (11)</b>	<b>\$ 12</b>

- (A) Represents projected benefit obligation for pension benefits and the accumulated postretirement benefit obligation for other benefits. The vested benefit obligation is the actuarial present value of the vested benefits to which the employee is currently entitled but based on the employee's expected date of separation or retirement.
- (B) For pension benefits, the net actuarial gains in 2022 and 2021 were due primarily to an increase in the discount rate. For OPEB, the net actuarial gain in 2022 was due primarily to an increase in the discount rate and other assumption updates. For OPEB, the net actuarial gain in 2021 was due primarily to an increase in the discount rate coupled with lower than expected claims experience.
- (C) Includes (\$5) million and (\$7) million for pension benefits and other benefits, respectively, as of December 31, 2021 classified as Held for Sale. For additional information, see Note 4. Early Plant Retirements/Asset Dispositions and Impairments.
- (D) Includes \$594 million (\$426 million, after-tax) and \$495 million (\$355 million, after-tax) in Accumulated Other Comprehensive Loss related to Pension and OPEB as of December 31, 2022 and 2021, respectively. Also includes Regulatory Assets of \$1,405 million and Deferred Assets of \$141 million as of December 31, 2022 and Regulatory Assets of \$1,043 million and Deferred Assets of \$117 million as of December 31, 2021.

The pension benefits table above provides information relating to the funded status of the qualified and nonqualified pension and OPEB plans on an aggregate basis. As of December 31, 2022, PSEG had funded approximately 87% of its projected pension benefit obligation. This percentage does not include \$183 million of assets in the Rabbi Trust as of December 31, 2022, which provide funding for the nonqualified pension plans and certain deferred compensation. The nonqualified pension plans included in the projected benefit obligation in the above table were \$137 million.

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#### Accumulated Benefit Obligation

The accumulated benefit obligation for all PSEG's defined benefit pension plans was \$5.5 billion as of December 31, 2022 and \$7.1 billion as of December 31, 2021.

The following table provides the components of net periodic benefit relating to all qualified and nonqualified pension and OPEB plans on an aggregate basis for PSEG, excluding Servco for the years ended December 31, 2022, 2021 and 2020. Amounts shown do not reflect the impacts of capitalization and co-owner allocations. Only the service cost component is eligible for capitalization, when applicable.

	Pension Benefits Years Ended December 31,			Other Benefits Years Ended December 31,		
	2022	2021	2020	2022	2021	2020
Millions						
<b>Components of Net Periodic Benefit (Credits) Costs</b>						
Service Cost (included in O&M Expense)	\$ 142	\$ 151	\$ 141	\$ 6	\$ 9	\$ 9
<b>Non-Service Components of Pension and OPEB (Credits) Costs</b>						
Interest Cost	167	140	192	26	22	34
Expected Return on Plan Assets	(484)	(476)	(443)	(42)	(42)	(39)
Amortization of Net						
Prior Service Credit	—	—	(10)	(129)	(129)	(128)
Actuarial Loss	60	103	92	15	44	47
<b>Non-Service Components of Pension and OPEB (Credits) Costs</b>	<b>(257)</b>	<b>(233)</b>	<b>(169)</b>	<b>(130)</b>	<b>(105)</b>	<b>(86)</b>
<b>Total Benefit (Credits) Costs</b>	<b>\$ (115)</b>	<b>\$ (82)</b>	<b>\$ (28)</b>	<b>\$ (124)</b>	<b>\$ (96)</b>	<b>\$ (77)</b>

Pension costs and OPEB costs for PSEG and PSE&G are detailed as follows:

	Pension Benefits Years Ended December 31,			Other Benefits Years Ended December 31,		
	2022	2021	2020	2022	2021	2020
Millions						
PSE&G	\$ (70)	\$ (64)	\$ (27)	\$ (109)	\$ (92)	\$ (76)
PSEG Power & Other	(45)	(18)	(1)	(15)	(4)	(1)
<b>Total Benefit (Credits) Costs</b>	<b>\$ (115)</b>	<b>\$ (82)</b>	<b>\$ (28)</b>	<b>\$ (124)</b>	<b>\$ (96)</b>	<b>\$ (77)</b>

The following table provides the pre-tax changes recognized in Accumulated Other Comprehensive Income (Loss), Regulatory Assets and Deferred Assets:

	Pension		Other Benefits	
	2022	2021	2022	2021
Millions				
Net Actuarial (Gain) Loss in Current Period	\$ 568	\$ (608)	\$ (138)	\$ (127)
Amortization of Net Actuarial Gain (Loss)	(60)	(103)	(14)	(44)
Prior Service Cost (Credit) in Current Period	—	—	—	—
Amortization of Prior Service Credit	—	—	129	129
<b>Total</b>	<b>\$ 508</b>	<b>\$ (711)</b>	<b>\$ (23)</b>	<b>\$ (42)</b>

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The following assumptions were used to determine the benefit obligations and net periodic benefit costs:

	Pension Benefits			Other Benefits		
	2022	2021	2020	2022	2021	2020
<b>Weighted-Average Assumptions Used to Determine Benefit Obligations as of December 31</b>						
Discount Rate	5.20 %	2.94 %	2.61 %	5.16 %	2.82 %	2.46 %
Rate of Compensation Increase	4.40 %	4.40 %	4.40 %	4.40 %	4.40 %	4.40 %
Cash Balance Interest Crediting Rate	6.00 %	6.00 %	6.00 %	N/A	N/A	N/A
<b>Weighted-Average Assumptions Used to Determine Net Periodic Benefit Cost for Years Ended December 31</b>						
Discount Rate	2.94 %	2.61 %	3.30 %	2.82 %	2.46 %	3.20 %
Service Cost Interest Rate	3.19 %	2.94 %	3.49 %	3.06 %	2.76 %	3.50 %
Interest Cost Interest Rate	2.37 %	1.91 %	2.87 %	2.21 %	1.70 %	2.87 %
Expected Return on Plan Assets	7.20 %	7.70 %	7.70 %	7.20 %	7.69 %	7.70 %
Rate of Compensation Increase	4.40 %	4.40 %	3.90 %	4.40 %	4.40 %	3.90 %
Cash Balance Interest Crediting Rate	6.00 %	6.00 %	6.00 %	N/A	N/A	N/A
<b>Assumed Health Care Cost Trend Rates as of December 31</b>						
Health Care Costs						
Immediate Rate				6.98 %	6.14 %	6.37 %
Ultimate Rate				4.75 %	4.75 %	4.75 %
Year Ultimate Rate Reached				2032	2029	2029

### Plan Assets

The investments of pension and OPEB plans are held in a trust account by the Trustee and consist of an undivided interest in an investment account of the Master Trust. The investments in the pension and OPEB plans are measured at fair value within a hierarchy that prioritizes the inputs to fair value measurements into three levels. See Note 19. Fair Value Measurements for more information on fair value guidance. Use of the Master Trust permits the commingling of pension plan assets and OPEB plan assets for investment and administrative purposes. Although assets of the plans are commingled in the Master Trust, the Trustee maintains supporting records for the purpose of allocating the net gain or loss of the investment account to the respective participating plans. The net investment income of the investment assets is allocated by the Trustee to each participating plan based on the relationship of the interest of each plan to the total of the interests of the participating plans. As of December 31, 2022, the pension plan interest and OPEB plan interest in such assets of the Master Trust were approximately 92% and 8%, respectively.

The following tables present information about the investments measured at fair value on a recurring basis as of December 31, 2022 and 2021, including the fair value measurements and the levels of inputs used in determining those fair values.

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Description	Recurring Fair Value Measurements as of December 31, 2022		
	Total	Quoted Market Prices for Identical Assets	Significant Other Observable Inputs
		(Level 1)	(Level 2)
	Millions		
Cash Equivalents (A)	\$ 36	\$ 36	\$ —
Equity Securities			
Common Stock (B)	1,231	1,231	—
Commingled (C)	1,346	—	1,346
Debt Securities (D)			
U.S. Treasury	1,351	—	1,351
Commingled	4	4	—
Subtotal Fair Value	\$ 3,968	\$ 1,271	\$ 2,697
Measured at net asset value practical expedient			
Commingled—Equities (E)	965		
Real Estate Investment (F)	395		
Private Equity (G)	3		
Total Fair Value (H)	\$ 5,331		

Description	Recurring Fair Value Measurements as of December 31, 2021		
	Total	Quoted Market Prices for Identical Assets	Significant Other Observable Inputs
		(Level 1)	(Level 2)
	Millions		
Cash Equivalents (A)	\$ 45	\$ 45	\$ —
Equity Securities			
Common Stock (B)	1,959	1,959	—
Commingled (C)	1,948	1,085	863
Preferred Stock (B)	2	2	—
Other (I)	2	2	—
Debt Securities (D)			
U.S. Treasury	1,761	—	1,761
Commingled	4	4	—
Subtotal Fair Value	\$ 5,721	\$ 3,097	\$ 2,624
Measured at net asset value practical expedient			
Commingled—Equities (E)	1,403		
Real Estate Investment (F)	372		
Private Equity (G)	3		
Total Fair Value (H)	\$ 7,499		

- (A) The Collective Investment Fund publishes a daily net asset value (NAV) which participants may use for daily redemptions without restrictions (Level 1).
- (B) Common stocks and preferred stocks are measured using observable data in active markets and considered Level 1.
- (C) Commingled Funds that allow daily redemption at their daily published NAV without restrictions are classified as Level 1. Commingled Funds that publish daily NAV but with certain near-term redemption restrictions which prevent redemption at the published daily NAV are classified as Level 2.
- (D) Debt securities include mainly U.S. Treasury obligations. These investments are valued using an evaluated pricing approach that varies by asset class and reflects observable market information such as the most recent exchange price

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or quoted bid for similar securities. Market-based standard inputs typically include benchmark yields, reported trades, broker/dealer quotes and issuer spreads or the most recent quotes for similar securities which are a Level 2 measure.

- (E) Certain commingled equity funds are not included in the fair value hierarchy as they are measured at fair value using the NAV per share (or its equivalent) practical expedient. These funds do not meet the definition of readily determinable fair value due to the frequency of publishing NAV (monthly). The objectives of these funds are mainly tracking the S&P Index or achieving long-term growth through investment in foreign equity securities and the Morgan Stanley Capital International Index.
- (F) The unlisted real estate fund invests in office, apartment, industrial and retail space. The fund is valued using the NAV per unit of funds. The investment value of the real estate properties is determined on a quarterly basis by independent market appraisers engaged by the board of directors of the fund. The ability to redeem funds is subject to the availability of cash arising from net investment income, allocations and the sale of investments in the normal course of business. The fund's NAV is published quarterly. In addition, redemptions require one quarter advance notice prior to redemption and are fulfilled quarterly. The fund, therefore, does not meet the definition of readily determinable fair value. The purpose of the fund is to acquire, own, hold for investment and ultimately dispose of investments in real estate and real estate-related assets with the intention of achieving current income, capital appreciation or both.
- (G) Private equity investments primarily include various limited partnerships that invest in either operating companies through acquisitions or developing a portfolio of non-U.S. distressed investments to maximize total return on capital. These investments are valued at NAV (or its equivalent) on a quarterly basis and have significant redemption restrictions preventing redemption until fund liquidation and limited ability to sell these investments. Fund liquidation is not expected to occur for several more years. These investments are not included in the fair value hierarchy in accordance with the guidance on NAV practical expedient.
- (H) Excludes net receivables of \$7 million and \$11 million as of December 31, 2022 and 2021, respectively, which consist of interest, dividends and receivables and payables related to pending securities sales and purchases. In addition, the table excludes cash and foreign currency of \$2 million as of each of December 31, 2022 and 2021.
- (I) Investment in a publicly traded limited partnership.

The following table provides the percentage of fair value of total plan assets for each major category of plan assets held for the qualified pension and OPEB plans as of the measurement date, December 31:

<b>Investments</b>	<b>As of December 31,</b>	
	<b>2022</b>	<b>2021</b>
Equity Securities	67 %	71 %
Debt Securities	25	23
Other Investments	8	6
<b>Total Percentage</b>	<b>100 %</b>	<b>100 %</b>

PSEG utilizes forecasted returns, risk, and correlation of all asset classes in order to develop an efficient portfolio. PSEG's long-term target asset allocation of 54% equities, 18% real assets and 28% fixed income is consistent with the funds' financial objectives. Certain investments in real assets (12% as of December 31, 2022) are made through investing in equity securities and tracked as equities when reporting fair value; however, they are viewed by their asset class, real assets, in our target asset allocation. Derivative financial instruments are used by the plans' investment managers primarily to adjust the fixed income duration of the portfolio and hedge the currency risk component of foreign investments. The expected long-term rate of return on plan assets was 7.2% for 2022 and will be 8.1% for 2023. This expected return includes a premium for active management.

#### **Plan Contributions**

PSEG does not plan to contribute to its pension and OPEB plans in 2023. Internal Revenue Service (IRS) minimum funding requirements for pension plans are determined based on the fund's assets and liabilities at the end of a calendar year for the subsequent calendar year.

#### **Estimated Future Benefit Payments**

The following pension benefit and postretirement benefit payments are expected to be paid to plan participants.

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<u>Year</u>	<u>Pension Benefits</u>		<u>Other Benefits</u>	
	Millions			
2023	\$	424	\$	77
2024		400		75
2025		405		74
2026		411		72
2027		418		70
2028-2032		2,124		309
<b>Total</b>	<b>\$</b>	<b>4,182</b>	<b>\$</b>	<b>677</b>

**401(k) Plans**

PSEG sponsors two 401(k) plans, which are defined contribution retirement plans subject to the Employee Retirement Income Security Act (ERISA). Eligible represented employees of PSEG's subsidiaries participate in the PSEG Employee Savings Plan (Savings Plan), while eligible non-represented employees of PSEG's subsidiaries participate in the PSEG Thrift and Tax-Deferred Savings Plan (Thrift Plan). Eligible employees may contribute up to 50% of their annual eligible compensation to these plans, not to exceed the IRS maximums, including any catch-up contributions for those employees age 50 and above. PSEG matches 50% of such employee contributions up to 7% of pay for Savings Plan participants and up to 8% of pay for Thrift Plan participants. The amounts paid for employer matching contributions to the plans for PSEG and PSE&G are detailed as follows:

	<b>Thrift Plan and Savings Plan</b>		
	<b>Years Ended December 31,</b>		
	<b>2022</b>	<b>2021</b>	<b>2020</b>
	Millions		
PSE&G	\$ 28	\$ 28	\$ 27
PSEG Power & Other	14	16	16
<b>Total Employer Matching Contributions</b>	<b>\$ 42</b>	<b>\$ 44</b>	<b>\$ 43</b>

**Servco Pension and OPEB**

Servco sponsors a qualified pension plan and OPEB plan covering its employees who meet certain eligibility criteria. Under the OSA, employee benefit costs for these plans are funded by LIPA. See Note 5. Variable Interest Entities. These obligations, as well as the offsetting long-term receivable, are separately presented on the Consolidated Balance Sheet of PSEG.

The following table provides a roll-forward of the changes in Servco's benefit obligation and the fair value of its plan assets during the years ended December 31, 2022 and 2021. It also provides the funded status of the plans and the amounts recognized and amounts not recognized on the Consolidated Balance Sheets at the end of both years.

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	Pension Benefits		Other Benefits	
	2022	2021	2022	2021
	Millions			
<b>Change in Benefit Obligation</b>				
Benefit Obligation at Beginning of Year (A)	\$ 596	\$ 569	\$ 640	\$ 699
Service Cost	38	38	21	23
Interest Cost	17	14	19	18
Actuarial (Gain) Loss (B)	(189)	(18)	(215)	(89)
Gross Benefits Paid	(10)	(7)	(10)	(11)
<b>Benefit Obligation at End of Year (A)</b>	<b>\$ 452</b>	<b>\$ 596</b>	<b>\$ 455</b>	<b>\$ 640</b>
<b>Change in Plan Assets</b>				
Fair Value of Assets at Beginning of Year	\$ 422	\$ 343	\$ —	\$ —
Actual Return on Plan Assets	(72)	49	—	—
Employer Contributions	30	37	10	11
Gross Benefits Paid	(10)	(7)	(10)	(11)
<b>Fair Value of Assets at End of Year</b>	<b>\$ 370</b>	<b>\$ 422</b>	<b>\$ —</b>	<b>\$ —</b>
<b>Funded Status</b>				
<b>Funded Status (Plan Assets less Benefit Obligation)</b>	<b>\$ (82)</b>	<b>\$ (174)</b>	<b>\$ (455)</b>	<b>\$ (640)</b>
<b>Additional Amounts Recognized in the Consolidated Balance Sheets</b>				
Accrued Pension Costs of Servco	\$ (82)	\$ (174)	N/A	N/A
OPEB Costs of Servco	N/A	N/A	(455)	(640)
<b>Amounts Recognized (C)</b>	<b>\$ (82)</b>	<b>\$ (174)</b>	<b>\$ (455)</b>	<b>\$ (640)</b>

- (A) Represents projected benefit obligation for pension benefits and the accumulated postretirement benefit obligation for other benefits. The vested benefit obligation is the actuarial present value of the vested benefits to which the employee is currently entitled but based on the employee's expected date of separation or retirement.
- (B) For pension benefits and OPEB, the net actuarial gains in 2022 were due primarily to an increase in the discount rate. For pension benefits, the net actuarial gain in 2021 was due primarily to an increase in the discount rate. For OPEB, the net actuarial gain in 2021 was due primarily to updated assumptions.
- (C) Amounts equal to the accrued pension and OPEB costs of Servco are offset in Long-Term Receivable of VIE on PSEG's Consolidated Balance Sheets.

Pension and OPEB costs of Servco are accounted for according to the OSA. Servco recognizes expenses for contributions to its pension plan trusts and for OPEB payments made to retirees. Operating Revenues are recognized for the reimbursement of these costs. The pension-related revenues and costs for 2022, 2021 and 2020 were \$30 million, \$37 million and \$30 million, respectively. Servco has contributed its entire planned contribution amount to its pension plan trusts during 2022. The OPEB-related revenues earned and costs incurred were \$10 million, \$11 million and \$9 million in 2022, 2021 and 2020, respectively. The following assumptions were used to determine the benefit obligations of Servco:

	Pension Benefits			Other Benefits		
	2022	2021	2020	2022	2021	2020
<b>Weighted-Average Assumptions Used to Determine Benefit Obligations as of December 31</b>						
Discount Rate	5.30 %	3.21 %	2.98 %	5.34 %	3.28 %	3.08 %
Rate of Compensation Increase	3.95 %	3.95 %	3.95 %	3.95 %	3.95 %	3.95 %
Cash Balance Interest Crediting Rate	4.30 %	3.75 %	3.75 %	N/A	N/A	N/A
<b>Assumed Health Care Cost Trend Rates as of December 31</b>						
Health Care Costs						
Immediate Rate				6.71 %	6.48 %	6.70 %
Ultimate Rate				4.75 %	4.75 %	4.75 %
Year Ultimate Rate Reached				2032	2029	2029

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#### Plan Assets

All the investments of Servco's pension plans are held in a trust account by the Trustee and consist of an undivided interest in an investment account of the Servco Master Trust. The investments in the pension are measured at fair value within a hierarchy that prioritizes the inputs to fair value measurements into three levels. See Note 19. Fair Value Measurements for more information on fair value guidance.

The following tables present information about Servco's investments measured at fair value on a recurring basis as of December 31, 2022 and 2021, including the fair value measurements and the levels of inputs used in determining those fair values.

Description	Recurring Fair Value Measurements as of December 31, 2022		
	Total	Quoted Market Prices for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)
	Millions		
Cash Equivalents	\$ 1	\$ 1	\$ —
Equity Securities			
Common Stock (A)	25	25	—
Commingled (B)	251	—	251
Commingled Bonds (B)	93	—	93
<b>Total</b>	<b>\$ 370</b>	<b>\$ 26</b>	<b>\$ 344</b>

Description	Recurring Fair Value Measurements as of December 31, 2021		
	Total	Quoted Market Prices for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)
	Millions		
Cash Equivalents	\$ 1	\$ 1	\$ —
Equity Securities			
Common Stock (A)	34	34	—
Commingled (B)	285	—	285
Commingled Bonds (B)	102	—	102
<b>Total</b>	<b>\$ 422</b>	<b>\$ 35</b>	<b>\$ 387</b>

- (A) Common stocks are measured using observable data in active markets and considered Level 1.
- (B) Investments in commingled equity and bond funds have a readily determinable fair value as they publish a daily NAV available to investors which is the basis for current transactions and contain certain redemption restrictions requiring advance notice of one to two days for withdrawals (Level 2).

The following table provides the percentage of fair value of total plan assets for each major category of plan assets held for the qualified pension and OPEB plans of Servco as of the measurement date, December 31:

Investments	As of December 31,	
	2022	2021
Equity Securities	75 %	76 %
Debt Securities	25	24
<b>Total Percentage</b>	<b>100 %</b>	<b>100 %</b>

Servco utilizes forecasted returns, risk, and correlation of all asset classes in order to develop an efficient portfolio. Servco's long-term target asset allocation of 60% equities, 15% real assets and 25% fixed income is consistent with the funds' financial objectives. Certain investments in real assets (15% at December 31, 2022) are made through investing in equity securities and tracked as equities when reporting fair value; however, they are viewed by their asset class, real assets, in our target asset



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allocation. The expected long-term rate of return on plan assets was 7.60% for 2022 and will be 8.0% for 2023. This expected return includes a premium for active management.

#### Plan Contributions

Servco plans to contribute \$18 million into its pension plan during 2023.

#### Estimated Future Benefit Payments

The following pension benefit and postretirement benefit payments are expected to be paid to Servco's plan participants:

<u>Year</u>	<u>Pension Benefits</u>	<u>Other Benefits</u>
	Millions	
2023	\$ 12	\$ 10
2024	14	12
2025	17	14
2026	19	15
2027	22	17
2028-2032	149	112
<b>Total</b>	<b>\$ 233</b>	<b>\$ 180</b>

#### Servco 401(k) Plans

Servco sponsors two 401(k) plans, which are defined contribution retirement plans subject to ERISA. Eligible non-represented employees of Servco participate in the Long Island Electric Utility Servco LLC Incentive Thrift Plan I (Thrift Plan I), and eligible represented employees of Servco participate in the Long Island Electric Utility Servco LLC Incentive Thrift Plan II (Thrift Plan II). Participants in the plans may contribute up to 50% of their eligible compensation to these plans, not to exceed the IRS maximums, including any catch-up contributions for those employees age 50 and above. Servco does not provide an employer match or core contribution for employees in Thrift Plan II. For employees in Thrift Plan I, Servco matches 50% of such employee contributions up to 8% of eligible compensation and provides core contributions (based on years of service and age) to employees who do not participate in Servco's Retirement Income Plan. The amount expensed by Servco for employer matching contributions was \$9 million for each of the years ended December 31, 2022, 2021 and 2020. Pursuant to the OSA, Servco recognizes Operating Revenues for the reimbursement of these costs.

## Note 15. Commitments and Contingent Liabilities

#### Guaranteed Obligations

PSEG Power's activities primarily involve the purchase and sale of energy and related products under transportation, physical, financial and forward contracts at fixed and variable prices. These transactions are with numerous counterparties and brokers that may require cash, cash-related instruments or guarantees as a form of collateral.

PSEG Power has unconditionally guaranteed payments to counterparties on behalf of its subsidiaries in commodity-related transactions in order to

- support current exposure, interest and other costs on sums due and payable in the ordinary course of business, and
- obtain credit.

PSEG Power is subject to

- counterparty collateral calls related to commodity contracts of its subsidiaries, and
- certain creditworthiness standards as guarantor under performance guarantees of its subsidiaries.

Under these agreements, guarantees cover lines of credit between entities and are often reciprocal in nature. The exposure between counterparties can move in either direction.

In order for PSEG Power to incur a liability for the face value of the outstanding guarantees,

- its subsidiaries would have to fully utilize the credit granted to them by every counterparty to whom PSEG Power has provided a guarantee, and

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- the net position of the related contracts would have to be “out-of-the-money” (if the contracts are terminated, PSEG Power would owe money to the counterparties).

PSEG Power believes the probability of this result is unlikely. For this reason, PSEG Power believes that the current exposure at any point in time is a more meaningful representation of the potential liability under these guarantees. Current exposure consists of the net of accounts receivable and accounts payable and the forward value on open positions, less any collateral posted.

Changes in commodity prices can have a material impact on collateral requirements under such contracts, which are posted and received primarily in the form of cash and letters of credit. PSEG Power also routinely enters into futures and options transactions for electricity and natural gas as part of its operations. These futures contracts usually require a cash margin deposit with brokers, which can change based on market movement and in accordance with exchange rules.

In addition to the guarantees discussed above, PSEG Power has also provided payment guarantees to third parties and regulatory authorities on behalf of its affiliated companies. These guarantees support various other non-commodity related obligations.

The following table shows the face value of PSEG Power’s outstanding guarantees, current exposure and margin positions as of December 31, 2022 and 2021.

	<b>As of December 31, 2022</b>	<b>As of December 31, 2021</b>
	Millions	
Face Value of Outstanding Guarantees	\$ 1,601	\$ 1,959
Exposure under Current Guarantees	\$ 198	\$ 176
Letters of Credit Margin Posted	\$ 87	\$ 80
Letters of Credit Margin Received	\$ 38	\$ 242
Cash Deposited and Received		
Counterparty Cash Collateral Deposited	\$ —	\$ 60
Counterparty Cash Collateral Received	\$ (1)	\$ (1)
Net Broker Balance Deposited (Received)	\$ 1,522	\$ 785
Additional Amounts Posted		
Other Letters of Credit	\$ 156	\$ 67

As part of determining credit exposure, PSEG Power nets receivables and payables with the corresponding net fair values of energy contracts. See Note 18. Financial Risk Management Activities for further discussion. In accordance with PSEG’s accounting policy, where it is applicable, cash (received)/deposited is allocated against derivative asset and liability positions with the same counterparty on the face of the Consolidated Balance Sheet. The remaining balances of net cash (received)/deposited after allocation are generally included in Accounts Payable and Receivable, respectively.

In addition to amounts for outstanding guarantees, current exposure and margin positions, PSEG and PSEG Power have posted letters of credit to support PSEG Power’s various other non-energy contractual and environmental obligations. See the preceding table.

### **Environmental Matters**

#### **Passaic River**

##### ***Lower Passaic River Study Area***

The U.S. Environmental Protection Agency (EPA) has determined that a 17-mile stretch of the Passaic River (Lower Passaic River Study Area (LPRSA)) in New Jersey is a “Superfund” site under the Federal Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA). PSE&G and certain of its predecessors conducted operations at properties in this area, including at one site that was transferred to PSEG Power.

The EPA has announced two separate cleanup plans for the Lower 8.3 miles and Upper 9 miles of the LPRSA. The EPA’s plan for the Lower 8.3 miles involves dredging and capping sediments at an estimated cost of \$2.3 billion, and its plan for the Upper 9 miles involves dredging and capping sediments at an estimated cost of \$550 million. Additional cleanup work may be required depending on the results of these initial phases of work.

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In December 2022, the EPA announced a proposed settlement with 85 parties who have agreed to pay \$150 million to resolve their LPRSA CERCLA liability, in whole or in part. The EPA has explained that the settlement was the outcome of an EPA-sponsored process where the EPA hired a cost allocator to recommend shares of LPRSA cleanup costs. The allocator's Final Allocation Recommendation Report is available on the EPA's website, and the proposed settlement is subject to public comment and judicial review. It is uncertain whether the settlement will be finalized as currently proposed, and the allocation did not address certain costs incurred by the EPA for which it may be entitled to reimbursement and which may be material. PSE&G and PSEG Power are not included in the proposed settlement, but the EPA sent PSE&G, Occidental Chemical Corporation, and several other PRPs a letter in March 2022 inviting them to submit to the EPA individually or jointly an offer to fund or participate in the next stages of the remediation. PSEG submitted a good faith offer to the EPA in June 2022 on behalf of PSE&G and PSEG Power. PSEG understands that the EPA is evaluating its offer. The EPA may commence the next phases of remediation itself and seek to recover the costs from PSE&G or others, or it may take enforcement action to compel PSE&G or others to fund or participate in the remediation.

Occidental Chemical Corporation has commenced the design of the Lower 8.3 Record of Decision Remedy, but declined to participate in the allocation process. Instead, it filed suit against PSE&G and others seeking cost recovery and contribution under CERCLA but has not quantified alleged damages. The litigation is ongoing and PSEG cannot predict the outcome.

Two Potentially Responsible Parties (PRPs), Tierra Solutions, Inc. (Tierra) and Maxus Energy Corporation (Maxus), have filed for Chapter 11 bankruptcy. The trust representing the creditors in this proceeding has filed a complaint asserting claims against Tierra's and Maxus' current and former parent entities, among others. Any damages awarded may be used to fund the remediation of the LPRSA.

As of December 31, 2022, PSEG has approximately \$66 million accrued for this matter. PSE&G has an Environmental Costs Liability of \$53 million and a corresponding Regulatory Asset based on its continued ability to recover such costs in its rates. PSEG Power has an Other Noncurrent Liability of \$13 million.

The outcome of this matter is uncertain, and until (i) a final remedy for the entire LPRSA is selected and an agreement is reached by the PRPs to fund it, (ii) PSE&G's and PSEG Power's respective shares of the costs are determined, and (iii) PSE&G's ability to recover the costs in its rates is determined, it is not possible to predict this matter's ultimate impact on PSEG's financial statements. It is possible that PSE&G and PSEG Power will record additional costs beyond what they have accrued, and that such costs could be material, but PSEG cannot at the current time estimate the amount or range of any additional costs.

#### ***Newark Bay Study Area***

The EPA has established the Newark Bay Study Area, which is an extension of the LPRSA and includes Newark Bay and portions of surrounding waterways. The EPA has notified PSEG and 21 other PRPs of their potential liability. PSE&G and PSEG Power are unable to estimate their respective portions of any loss or possible range of loss related to this matter. In December 2018, PSEG Power completed the sale of the site of the Hudson electric generating station. PSEG Power contractually transferred all land rights and structures on the Hudson site to a third-party purchaser, along with the assumption of the environmental liabilities for the site.

#### ***Natural Resource Damage Claims***

New Jersey and certain federal regulators have alleged that PSE&G, PSEG Power and 56 other PRPs may be liable for natural resource damages within the LPRSA. In particular, PSE&G, PSEG Power and other PRPs received notice from federal regulators of the regulators' intent to move forward with a series of studies assessing potential damages to natural resources at the Diamond Alkali Superfund Site, which includes the LPRSA and the Newark Bay Study Area. PSE&G and PSEG Power are unable to estimate their respective portions of any possible loss or range of loss related to this matter.

#### ***Hackensack River***

In September 2022, the EPA announced it had designated the lower 18.75 miles of the Hackensack River a federal Superfund site. PSE&G and certain of its predecessors conducted operations at properties in this area, including at the Hudson, Bergen and Kearny generating stations that were transferred to PSEG Power. PSEG Power subsequently contractually transferred all land rights and structures on the Hudson generating station site to a third-party purchaser, along with the assumption of the environmental liabilities for that site. The ultimate impact of this action on PSE&G and PSEG Power is currently unknown, but could be material.

#### ***MGP Remediation Program***

PSE&G is working with the New Jersey Department of Environmental Protection (NJDEP) to assess, investigate and remediate environmental conditions at its former MGP sites. To date, 38 sites requiring some level of remedial action have been identified. Based on its current studies, PSE&G has determined that the estimated cost to remediate all MGP sites to completion

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could range between \$206 million and \$226 million on an undiscounted basis, including its \$53 million share for the Passaic River as discussed above. Since no amount within the range is considered to be most likely, PSE&G has recorded a liability of \$206 million as of December 31, 2022. Of this amount, \$35 million was recorded in Other Current Liabilities and \$171 million was reflected as Environmental Costs in Noncurrent Liabilities. PSE&G has recorded a \$206 million Regulatory Asset with respect to these costs. PSE&G periodically updates its studies taking into account any new regulations or new information which could impact future remediation costs and adjusts its recorded liability accordingly. PSE&G completed sampling in the Passaic River in 2020 to delineate coal tar from certain MGP sites that abut the Passaic River Superfund site. PSEG cannot determine at this time the magnitude of any impact on the Passaic River Superfund remedy.

### **Legacy Environmental Obligations at Former Fossil Generating Sites**

PSEG Power has retained ownership of certain liabilities excluded from the 2022 sale of its fossil generation portfolio. These liabilities primarily relate to obligations under the New Jersey Industrial Site Recovery Act (ISRA) and the Connecticut Transfer Act (CTA) to investigate and remediate PSEG Power's two formerly owned generating station sites in Connecticut, and six formerly owned generating station sites in New Jersey. In addition, PSEG Power still owns two former generating station sites in New Jersey that triggered ISRA in 2015.

PSEG Power is in the process of fulfilling its obligations under ISRA and the CTA to investigate these sites. It will require multiple years and comprehensive environmental sampling to understand the extent of and to carry out the required remediation. The full remediation costs at each of the ten sites are not estimable, but will likely be material.

### **CWA Section 316(b) Rule**

The EPA's CWA Section 316(b) rule establishes requirements for the regulation of cooling water intakes at existing power plants and industrial facilities with a design flow of more than two million gallons of water per day. The EPA requires that National Pollutant Discharge Elimination System permits be renewed every five years and that each state Permitting Director manage renewal permits for its respective power generation facilities on a case by case basis. The NJDEP manages the permits under the New Jersey Pollutant Discharge Elimination System (NJPDDES) program.

In June 2016, the NJDEP issued a final NJPDDES permit for Salem. In July 2016, the Delaware Riverkeeper Network (Riverkeeper) filed an administrative hearing request challenging certain conditions of the permit, including the NJDEP's application of the 316(b) rule. If the Riverkeeper's challenge is successful, PSEG Power may be required to incur additional costs to comply with the CWA. Potential cooling water and/or service water system modification costs could be material and could adversely impact the economic competitiveness of this facility. The NJDEP granted the hearing request and scheduled a hearing in September 2023.

### **Jersey City, New Jersey Subsurface Feeder Cable Matter**

In October 2016, a discharge of dielectric fluid from subsurface feeder cables located in the Hudson River near Jersey City, New Jersey, was identified and reported to the NJDEP. The feeder cables are located within a subsurface easement granted to PSE&G by the property owners, Newport Associates Development Company (NADC) and Newport Associates Phase I Developer Limited Partnership. The feeder cables are subject to agreements between PSE&G and Consolidated Edison Company of New York, Inc. (Con Edison) and are jointly owned by PSE&G and Con Edison. The impacted cable was repaired in September 2017. A federal response was initially led by the U.S. Coast Guard. The U.S. Coast Guard transitioned control of the federal response to the EPA, and the EPA ended the federal response to the matter in 2018. The investigation of small amounts of residual dielectric fluid believed to be contained with the marina sediment is ongoing as part of the NJDEP site remediation program. In August 2020, PSE&G finalized a settlement with the federal government regarding the reimbursement of costs associated with the federal response to this matter and payment of civil penalties of an immaterial amount.

A lawsuit in federal court is pending to determine ultimate responsibility for the costs to address the leak among PSE&G, Con Edison and NADC. In addition, Con Edison filed counter claims against PSE&G and NADC, including seeking injunctive relief and damages. Based on the information currently available and depending on the outcome of the federal court action, PSE&G's portion of the costs to address the leak may be material; however, PSE&G anticipates that it will recover its costs, other than civil penalties, through regulatory proceedings.

### **BGS, BGSS and ZECs**

Each year, PSE&G obtains its electric supply requirements through annual New Jersey BGS auctions for two categories of customers that choose not to purchase electric supply from third-party suppliers. The first category is residential and smaller commercial and industrial customers (BGS-Residential Small Commercial Pricing (RSCP)). The second category is larger customers that exceed a BPU-established load (kW) threshold (BGS-Commercial and Industrial Energy Pricing (CIEP)). Pursuant to applicable BPU rules, PSE&G enters into the Supplier Master Agreements with the winners of these RSCP and CIEP BGS auctions to purchase BGS for PSE&G's load requirements. The winners of the RSCP and CIEP auctions are responsible for fulfilling all the requirements of a PJM load-serving entity including the provision of capacity, energy, ancillary

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services and any other services required by PJM. BGS suppliers assume all volume risk and customer migration risk and must satisfy New Jersey's renewable portfolio standards.

The BGS-CIEP auction is for a one-year supply period from June 1 to May 31 with the BGS-CIEP auction price measured in dollars per MW-day for capacity. The final price for the BGS-CIEP auction year commencing June 1, 2023 is \$330.72 per MW-day, replacing the BGS-CIEP auction year price ending May 31, 2023 of \$276.26 per MW-day. Energy for BGS-CIEP is priced at hourly PJM locational marginal prices for the contract period.

PSE&G contracts for its anticipated BGS-RSCP load on a three-year rolling basis, whereby each year one-third of the load is procured for a three-year period. The contract prices in dollars per MWh for the BGS-RSCP supply, as well as the approximate load, are as follows:

	Auction Year			
	2020	2021	2022	2023
36-Month Terms Ending	May 2023	May 2024	May 2025	May 2026 (A)
Load (MW)	2,800	2,900	2,800	2,800
\$ per MWh	\$102.16	\$64.80	\$76.30	\$93.11

(A) Prices set in the 2023 BGS auction will become effective on June 1, 2023 when the 2020 BGS auction agreements expire.

PSE&G has a full-requirements contract with PSEG Power to meet the gas supply requirements of PSE&G's gas customers. PSEG Power has entered into hedges for a portion of these anticipated BGSS obligations, as permitted by the BPU. The BPU permits PSE&G to recover the cost of gas hedging up to 115 billion cubic feet or 80% of its residential gas supply annual requirements through the BGSS tariff. Current plans call for PSEG Power to hedge on behalf of PSE&G approximately 70 billion cubic feet or 50% of its residential gas supply annual requirements. For additional information, see Note 26. Related-Party Transactions.

Pursuant to a process established by the BPU, New Jersey EDCs, including PSE&G, are required to purchase ZECs from eligible nuclear plants selected by the BPU. In April 2019, PSEG Power's Salem 1, Salem 2 and Hope Creek nuclear plants were selected to receive ZEC revenue for approximately three years, through May 2022. In April 2021, PSEG Power's Salem 1, Salem 2 and Hope Creek nuclear plants were awarded ZECs for the three-year eligibility period starting June 2022. PSE&G has implemented a tariff to collect a non-bypassable distribution charge in the amount of \$0.004 per KWh from its retail distribution customers to be used to purchase the ZECs from these plants. PSE&G will purchase the ZECs on a monthly basis with payment to be made annually following completion of each energy year. The legislation also requires nuclear plants to reapply for any subsequent three-year periods and allows the BPU to adjust prospective ZEC payments.

### Minimum Fuel Purchase Requirements

PSEG Power's nuclear fuel strategy is to maintain certain levels of uranium and to make periodic purchases to support such levels. As such, the commitments referred to in the following table may include estimated quantities to be purchased that deviate from contractual nominal quantities. PSEG Power's nuclear fuel commitments cover approximately 100% of its estimated uranium, enrichment and fabrication requirements through 2024 and a significant portion through 2025 at Salem, Hope Creek and Peach Bottom.

PSEG Power has various multi-year contracts for natural gas and firm transportation and storage capacity for natural gas that are primarily used to meet its obligations to PSE&G.

As of December 31, 2022, the total minimum purchase requirements included in these commitments were as follows:

<u>Fuel Type</u>	<u>PSEG Power's Share of Commitments through 2027</u>	
	Millions	
Nuclear Fuel		
Uranium	\$	390
Enrichment	\$	327
Fabrication	\$	189
Natural Gas	\$	1,310

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#### **Pending FERC Matters**

FERC has been conducting a non-public investigation of the Roseland-Pleasant Valley transmission project. In November 2021, FERC staff presented PSE&G with its non-public preliminary findings, alleging that PSE&G violated a FERC regulation. PSE&G disagrees with FERC staff's allegations and believes it has factual and legal defenses that refute these allegations. PSE&G has the opportunity to respond to these preliminary findings. The matter is pending and the investigation is ongoing. PSE&G is unable to predict the outcome or estimate the range of possible loss related to this matter; however, depending on the success of PSE&G's factual and legal arguments, the potential financial and other penalties that PSE&G may incur could be material to PSEG's and PSE&G's results of operations and financial condition.

#### **BPU Audit of PSE&G**

In September 2020, the BPU ordered the commencement of a comprehensive affiliate and management audit of PSE&G. It has been more than ten years since the BPU last conducted a management and affiliate audit of this kind of PSE&G, which is initiated periodically as required by New Jersey statutes/regulations. Phase 1 of the audit reviews affiliate relations and cost allocation between PSE&G and its affiliates, including an analysis of the relationship between PSE&G and PSEG Energy Resources & Trade, LLC, a wholly owned subsidiary of PSEG Power over the past ten years, and between PSE&G and PSEG LI. Phase 2 is a comprehensive management audit, which will address, among other things, executive management, corporate governance, system operations, human resources, cyber security, compliance with customer protection requirements and customer safety. The audit officially began in late May 2021 and data collection (written discovery and interviews) has concluded. The BPU Audit Staff are in the process of finalizing their report. It is not possible at this time to predict the outcome of this matter.

#### **Litigation**

##### **Sewaren 7 Construction**

In June 2018, a complaint was filed in federal court in Newark, New Jersey against PSEG Fossil LLC, which at the time was a wholly owned subsidiary of PSEG Power, regarding an ongoing dispute with Durr Mechanical Construction, Inc. (Durr), a contractor on the Sewaren 7 project. Among other things, Durr seeks damages of \$93 million and alleges that PSEG Power withheld money owed to Durr and that PSEG Power's intentional conduct led to the inability of Durr to obtain prospective contracts. PSEG Power intends to vigorously defend against these allegations. In January 2021, the court partially granted PSEG Power's motion to dismiss certain claims, reducing the amount claimed to \$68 million. In December 2018, Durr filed for Chapter 11 bankruptcy in the federal court in the Southern District of New York (SDNY). The SDNY bankruptcy court has allowed the New Jersey litigation to proceed. PSEG Power has accrued an amount related to outstanding invoices which does not reflect an assessment of claims and potential counterclaims in this matter. Due to its preliminary nature, PSEG Power cannot predict the outcome of this matter.

##### **Other Litigation and Legal Proceedings**

PSEG and its subsidiaries are party to various lawsuits in the ordinary course of business. In view of the inherent difficulty in predicting the outcome of such matters, PSEG and PSE&G generally cannot predict the eventual outcome of the pending matters, the timing of the ultimate resolution of these matters, or the eventual loss, fines or penalties related to each pending matter.

In accordance with applicable accounting guidance, a liability is accrued when those matters present loss contingencies that are both probable and reasonably estimable. In such cases, there may be an exposure to loss in excess of any amounts accrued. PSEG will continue to monitor the matter for further developments that could affect the amount of the accrued liability that has been previously established.

Based on current knowledge, management does not believe that loss contingencies arising from pending matters, other than the matters described herein, could have a material adverse effect on PSEG's or PSE&G's consolidated financial position or liquidity. However, in light of the inherent uncertainties involved in these matters, some of which are beyond PSEG's control, and the large or indeterminate damages sought in some of these matters, an adverse outcome in one or more of these matters could be material to PSEG's or PSE&G's results of operations or liquidity for any particular reporting period.

#### **Coronavirus Pandemic**

The COVID-19 pandemic and associated government actions and economic effects continue to impact our businesses. PSEG and its subsidiaries have incurred additional expenses to protect our employees and customers, and PSE&G is experiencing significantly higher bad debts and lower cash collections from customers due to the moratorium on shut-offs for residential customers that was extended through March 15, 2022. Although collections and shut-offs re-commenced in mid-March 2022, in late March 2022, New Jersey passed legislation that provided protection from shut-offs to customers who applied for payment assistance programs with those applying for assistance protected from shut-offs while awaiting their application determination.

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PSE&G has deferred the impact of the COVID-19 costs for future recovery, and in December 2022, the BPU determined that the deferral period will end on March 15, 2023. The potential future impact of the pandemic and the associated economic impacts, which could extend beyond the duration of the pandemic, could have risks that drive certain accounting considerations. The ultimate impact of the coronavirus pandemic is highly uncertain and cannot be predicted at this time.

#### **Nuclear Insurance Coverages and Assessments**

PSEG Power is a member of the joint underwriting association, American Nuclear Insurers (ANI), which provides nuclear liability insurance coverage at the Salem and Hope Creek site and the Peach Bottom site. The ANI policies are designed to satisfy the financial protection requirements outlined in the Price-Anderson Act, which sets the limit of liability for claims that could arise from an incident involving any licensed nuclear facility in the United States. The limit of liability per incident per site is composed of primary and excess layers. As of December 31, 2022, nuclear sites were required to purchase \$450 million of primary liability coverage for each site through ANI. The primary layer is supplemented by an excess layer, which is an industry self-insurance pool. In the event a nuclear site, which is part of the industry self-insurance pool, has a claim that exceeds the primary layer, each licensee would be assessed a prorated share of the excess layer. The excess layer limit is \$13.2 billion. PSEG Power's maximum aggregate assessment per incident is \$433 million based on PSEG Power's ownership interests in Salem, Hope Creek and Peach Bottom and its maximum aggregate annual assessment per incident is \$65 million. If the damages exceed the limit of liability, Congress could impose further revenue-raising measures on the nuclear industry to pay claims. Further, a decision by the U.S. Supreme Court, not involving PSEG Power, held that the Price-Anderson Act did not preclude punitive damage awards based on state law claims.

PSEG Power is also a member of an industry mutual insurance company, Nuclear Electric Insurance Limited (NEIL), which provides the property, decontamination and decommissioning liability insurance at the Salem and Hope Creek site and the Peach Bottom site. NEIL also provides replacement power coverage through its accidental outage policy. NEIL policies may make retrospective premium assessments in the case of adverse loss experience. The current maximum aggregate annual retrospective premium obligation for PSEG Power is approximately \$46 million. NEIL requires its members to maintain an investment grade credit rating or to ensure collectability of their annual retrospective premium obligation by providing a financial guarantee, letter of credit, deposit premium, or some other means of assurance. Certain provisions in the NEIL policies provide that the insurer may suspend coverage with respect to all nuclear units on a site without notice if the NRC suspends or revokes the operating license for any unit on that site, issues a shutdown order with respect to such unit or issues a confirmatory order keeping such unit down.

The ANI and NEIL policies all include coverage for claims arising out of acts of terrorism. However, NEIL policies are subject to an industry aggregate limit of \$3.2 billion plus such additional amounts as NEIL recovers for such losses from reinsurance, indemnity and any other source applicable to such losses.

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**Note 16. Debt and Credit Facilities**

**Long-Term Debt**

	<u>Maturity</u>	<u>As of December 31,</u>	
		<u>2022</u>	<u>2021</u>
		Millions	
<b>PSEG</b>			
Senior Notes:			
2.65%	2022	\$ —	\$ 700
0.84%	2023	750	750
2.88%	2024	750	750
0.80%	2025	550	550
5.85%	2027	700	—
1.60%	2030	550	550
2.45%	2031	750	750
8.63% (A)	2031	96	96
Total Senior Notes		<u>4,146</u>	<u>4,146</u>
Principal Amount Outstanding		4,146	4,146
Amounts Due Within One Year		(750)	(700)
Net Unamortized Discount and Debt Issuance Costs		(22)	(22)
<b>Total Long-Term Debt of PSEG</b>		<b><u>\$ 3,374</u></b>	<b><u>\$ 3,424</u></b>



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	Maturity	As of December 31,	
		2022	2021
Millions			
<b>PSE&amp;G</b>			
First and Refunding Mortgage Bonds (B):			
8.00%	2037	\$ 7	\$ 7
5.00%	2037	8	8
<b>Total First and Refunding Mortgage Bonds</b>		<b>15</b>	<b>15</b>
Medium-Term Notes (B):			
2.38%	2023	500	500
3.25%	2023	325	325
3.75%	2024	250	250
3.15%	2024	250	250
3.05%	2024	250	250
3.00%	2025	350	350
0.95%	2026	450	450
2.25%	2026	425	425
3.00%	2027	425	425
3.70%	2028	375	375
3.65%	2028	325	325
3.20%	2029	375	375
2.45%	2030	300	300
1.90%	2031	425	425
3.10%	2032	500	—
4.90%	2032	400	—
5.25%	2035	250	250
5.70%	2036	250	250
5.80%	2037	350	350
5.38%	2039	250	250
5.50%	2040	300	300
3.95%	2042	450	450
3.65%	2042	350	350
3.80%	2043	400	400
4.00%	2044	250	250
4.05%	2045	250	250
4.15%	2045	250	250
3.80%	2046	550	550
3.60%	2047	350	350
4.05%	2048	325	325
3.85%	2049	375	375
3.20%	2049	400	400
3.15%	2050	300	300
2.70%	2050	375	375
2.05%	2050	375	375
3.00%	2051	450	450
<b>Total MTNs</b>		<b>12,775</b>	<b>11,875</b>
<b>Principal Amount Outstanding</b>		<b>12,790</b>	<b>11,890</b>
<b>Amounts Due Within One Year</b>		<b>(825)</b>	<b>—</b>
<b>Net Unamortized Discount and Selling Expense</b>		<b>(94)</b>	<b>(95)</b>
<b>Total Long-Term Debt of PSE&amp;G</b>		<b>\$ 11,871</b>	<b>\$ 11,795</b>

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	Maturity	As of December 31,	
		2022	2021
		Millions	
<b>PSEG Power</b>			
Term Loan:			
Variable Rate	2025	\$ 1,250	\$ —
Total Term Loan		1,250	—
<b>Total Long-Term Debt of PSEG Power</b>		<b>\$ 1,250</b>	<b>\$ —</b>

(A) In December 2020, PSEG issued \$96 million principal amount of 8.63% Senior Notes due 2031 to holders of a like principal amount of 8.63% Senior Notes due 2031 originally issued by PSEG Power who validly tendered their notes pursuant to an offer to exchange. Upon consummation of the offer to exchange, the PSEG Power notes accepted in the exchange were cancelled. The transaction resulted in a non-cash financing activity for both PSEG and PSEG Power.

(B) Secured by essentially all property of PSE&G pursuant to its First and Refunding Mortgage.

### Long-Term Debt Maturities

The aggregate principal amounts of maturities for each of the five years following December 31, 2022 are as follows:

Year	PSEG	PSE&G	PSEG Power	Total
	Millions			
2023	\$ 750	\$ 825	\$ —	\$ 1,575
2024	750	750	—	1,500
2025	550	350	1,250	2,150
2026	—	875	—	875
2027	700	425	—	1,125
Thereafter	1,396	9,565	—	10,961
Total	<b>\$ 4,146</b>	<b>\$ 12,790</b>	<b>\$ 1,250</b>	<b>\$ 18,186</b>

### Long-Term Debt Financing Transactions

During 2022, PSEG and its subsidiaries had the following Long-Term Debt issuances and maturity:

#### PSEG

- issued \$700 million of 5.85% Senior Notes due November 2027, and
- retired \$700 million of 2.65% Senior Notes at maturity.

#### PSE&G

- issued \$500 million of 3.10% Secured Medium-Term Notes, Series P, due March 2032, and
- issued \$400 million of 4.90% Secured Medium-Term Notes, Series P, due December 2032.

#### PSEG Power

- entered into a \$1.25 billion variable rate term loan agreement due March 2025.

### Short-Term Liquidity

PSEG meets its short-term liquidity requirements, as well as those of PSEG Power, primarily through the issuance of commercial paper and, from time to time, short-term loans. PSE&G maintains its own separate commercial paper program to meet its short-term liquidity requirements. Each commercial paper program is fully back-stopped by its own separate credit facilities.

In March 2022, PSEG and PSEG Power amended and consolidated revolving credit agreements with total borrowing capacity of \$3.4 billion into a single revolving credit agreement (Master Credit Facility). The Master Credit Facility extends the maturity

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of the existing credit agreements through March 2027 and provides for \$2.75 billion of credit capacity, with an initial PSEG sub-limit of \$1.5 billion and an initial PSEG Power sub-limit of \$1.25 billion. Sub-limits can be adjusted subject to the terms of the Master Credit Facility. The PSEG sub-limit includes a sustainability linked pricing based mechanism with potential increases or decreases, which are not expected to be material, depending on performance relative to targeted methane emission reductions.

The commitments under the \$4.2 billion credit facilities are provided by a diverse bank group. As of December 31, 2022, the total available credit capacity was \$3.7 billion.

As of December 31, 2022, no single institution represented more than 10% of the total commitments in the credit facilities.

As of December 31, 2022, the total credit capacity was in excess of the anticipated maximum liquidity requirements over PSEG's 12-month planning horizon, including access to external financing to meet redemptions.

Each of the credit facilities is restricted as to availability and use to the specific companies as listed in the following table; however, if necessary, the PSEG facilities can also be used to support its subsidiaries' liquidity needs.

The total credit facilities and available liquidity as of December 31, 2022 were as follows:

Company/Facility	As of December 31, 2022			Expiration Date	Primary Purpose
	Total Facility	Usage (B)	Available Liquidity		
Millions					
<b>PSEG</b>					
Revolving Credit Facility (A)	\$ 1,500	\$ 202	\$ 1,298	Mar 2027	Commercial Paper Support/Funding/Letters of Credit
<b>Total PSEG</b>	<b>\$ 1,500</b>	<b>\$ 202</b>	<b>\$ 1,298</b>		
<b>PSE&amp;G</b>					
Revolving Credit Facility	\$ 1,000	\$ 18	\$ 982	Mar 2027	Commercial Paper Support/Funding/Letters of Credit
<b>Total PSE&amp;G</b>	<b>\$ 1,000</b>	<b>\$ 18</b>	<b>\$ 982</b>		
<b>PSEG Power</b>					
Revolving Credit Facility (A)	\$ 1,250	\$ 63	\$ 1,187	Mar 2027	Funding/Letters of Credit
Letter of Credit Facility	100	32	\$ 68	Apr 2024	Letters of Credit
Letter of Credit Facility	200	120	\$ 80	Sept 2024	Letters of Credit
Letter of Credit Facility	100	26	\$ 74	Apr 2025	Letters of Credit
<b>Total PSEG Power</b>	<b>\$ 1,650</b>	<b>\$ 241</b>	<b>\$ 1,409</b>		
<b>Total (C)</b>	<b>\$ 4,150</b>	<b>\$ 461</b>	<b>\$ 3,689</b>		

(A) Master Credit Facility with sub-limits of \$1.5 billion for PSEG and \$1.25 billion for PSEG Power.

(B) The primary use of PSEG's and PSE&G's credit facilities is to support their respective Commercial Paper Programs, under which as of December 31, 2022, PSEG had \$200 million outstanding at a weighted average interest rate of 4.4%. PSE&G had no Commercial Paper outstanding as of December 31, 2022.

(C) Amounts do not include uncommitted credit facilities.

In September 2022, a subsidiary of PSEG Power entered into an uncommitted credit facility for \$200 million, which can be drawn to fund its cash collateral postings. As of December 31, 2022, there were no amounts outstanding under this facility.

### Debt Covenants

PSEG Power's existing credit agreements contain covenants restricting the ability of PSEG Power and its subsidiaries that guarantee its indebtedness from consummating certain mergers, consolidations or asset sales.

### Net Cash Collateral Postings

During the second half of 2021 and continuing throughout 2022, forward energy prices have demonstrated considerable price volatility and have increased dramatically. This has led to significantly higher variation in PSEG Power's daily collateral requirements which have also increased substantially over that time period for hedge positions that are out-of-the money. PSEG Power's net cash collateral postings related to these hedge positions increased from \$343 million at the end of June 2021 to \$1.5 billion at the end of December 2022. Subsequent to December 2022, collateral postings have decreased but PSEG Power continued to experience significant fluctuations in its daily collateral requirements. Net cash collateral postings were approximately \$700 million as of February 17, 2023. As historical lower-priced trades continue to settle through 2024,

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collateral is expected to be returned as PSEG Power satisfies its obligations under those contracts. Proceeds from the sale of Fossil, the closing of a \$1.25 billion term loan in March 2022 at PSEG Power, and short-term borrowings at PSEG have contributed to available liquidity to help support PSEG Power's collateral requirements in 2022.

### Short-Term Loans

#### PSEG

In March and May 2021, PSEG entered into two 364-day variable rate term loan agreements for \$500 million and \$750 million, respectively. In August 2021, PSEG entered into a \$1.25 billion 364-day variable rate term loan agreement. In March 2022, the \$500 million term loan matured and PSEG repaid the \$750 million term loan due in May 2022. In July 2022, PSEG repaid the \$1.25 billion term loan due in August 2022.

In April 2022 and May 2022, PSEG entered into 364-day variable rate term loan agreements for \$1.5 billion and \$500 million, respectively. In January 2023, PSEG repaid \$750 million of the \$1.5 billion term loan due in April 2023.

### Fair Value of Debt

The estimated fair values, carrying amounts and methods used to determine the fair values of long-term debt as of December 31, 2022 and 2021 are included in the following table and accompanying notes as of December 31, 2022 and 2021. See Note 19. Fair Value Measurements for more information on fair value guidance and the hierarchy that prioritizes the inputs to fair value measurements into three levels.

	December 31, 2022		December 31, 2021	
	Carrying Amount	Fair Value	Carrying Amount	Fair Value
	Millions			
<b>Long-Term Debt:</b>				
PSEG (A)	\$ 4,124	\$ 3,808	\$ 4,124	\$ 4,172
PSE&G (A)	12,696	11,106	11,795	13,374
PSEG Power (B)	1,250	1,250	—	—
<b>Total Long-Term Debt</b>	<b>\$ 18,070</b>	<b>\$ 16,164</b>	<b>\$ 15,919</b>	<b>\$ 17,546</b>

- (A) Given that these bonds do not trade actively, the fair value amounts of taxable debt securities (primarily Level 2 measurements) are generally determined by a valuation model using market-based measurements that are processed through a rules-based pricing methodology. The fair value amounts above do not represent the price at which the outstanding debt may be called for redemption by each issuer under their respective debt agreements.
- (B) Private term loan with book value approximating fair value (Level 2 measurement).

## Note 17. Schedule of Consolidated Capital Stock

	As of December 31,			
	Outstanding Shares		Book Value	
	2022	2021	2022	2021
	Millions			
PSEG Common Stock (no par value) (A)				
Authorized 1,000 shares	497	504	\$ 3,688	\$ 4,149

- (A) PSEG did not issue any new shares under the Dividend Reinvestment and Stock Purchase Plan or the Employee Stock Purchase Plan (ESPP) in 2022 or 2021.

As of December 31, 2022, PSE&G had an aggregate of 7.5 million shares of \$100 par value and 10 million shares of \$25 par value Cumulative Preferred Stock, which were authorized and unissued and which, upon issuance, may or may not provide for mandatory sinking fund redemption.

## Note 18. Financial Risk Management Activities

Derivative accounting guidance requires that a derivative instrument be recognized as either an asset or a liability at fair value, with changes in fair value of the derivative recognized in earnings each period. Other accounting treatments are available through special election and designation provided that the derivative instrument meets specific, restrictive criteria, both at the time of designation and on an ongoing basis. These alternative permissible treatments include NPNS cash flow hedge and fair value hedge accounting. PSEG and PSE&G have applied the NPNS scope exception to certain derivative contracts for the forward sale of generation, power procurement agreements and fuel agreements. PSEG uses interest rate swaps and other derivatives, which are designated and qualifying as cash flow or fair value hedges. PSEG Power enters into additional contracts that are derivatives, but are not designated as either cash flow hedges or fair value hedges. These transactions are economic hedges and are recorded at fair market value with changes recognized in earnings.

### Commodity Prices

Within PSEG and its affiliate companies, PSEG Power has the most exposure to commodity price risk. PSEG Power is exposed to commodity price risk primarily relating to changes in the market price of electricity, natural gas and other commodities. Fluctuations in market prices result from changes in supply and demand, fuel costs, market conditions, weather, state and federal regulatory policies, environmental policies, transmission availability and other factors. PSEG Power uses a variety of derivative and non-derivative instruments, such as financial options, futures, swaps, fuel purchases and forward purchases and sales of electricity, to manage the exposure to fluctuations in commodity prices and optimize the value of PSEG Power's expected generation. PSEG Power also uses derivatives to hedge a portion of its anticipated BGSS obligations with PSE&G. For additional information see Note 15. Commitments and Contingent Liabilities. In December 2022, PSEG sold seven tranches of a physical load transaction that previously had qualified for NPNS resulting in a taint of our physical load portfolio since it was determined that the transaction no longer met the scope exception. As such, the fair value of the remaining open positions resulted in a loss of \$38 million recorded in earnings. Additionally, prospective changes in the fair market value of these derivative contracts are recorded in earnings.

### Interest Rates

PSEG, PSE&G and PSEG Power are subject to the risk of fluctuating interest rates in the normal course of business. Exposure to this risk is managed by targeting a balanced debt maturity profile which limits refinancing in any given period or interest rate environment. PSEG, PSE&G and PSEG Power may use a mix of fixed and floating rate debt, interest rate swaps and interest rate lock agreements.

### Cash Flow Hedges

PSEG uses interest rate swaps and other derivatives, which are designated and effective as cash flow hedges, to manage its exposure to the variability of cash flows, primarily related to variable-rate debt instruments. As of December 31, 2022, PSEG had interest rate hedges outstanding totaling \$1.05 billion that were executed during the latter half of 2022. PSEG executed these interest rate swaps to convert PSEG Parent's \$500 million variable rate term loan due May 2023 and a portion of PSEG Power's \$1.25 billion variable rate term loan due March 2025 into fixed rate loans. The fair value of these hedges was \$1 million as of December 31, 2022 and there were no outstanding interest rate hedges as of December 31, 2021.

In October 2022, PSEG also entered into three Treasury lock agreements with a notional amount of \$350 million to fix the Treasury yield component of the interest cost of financing associated with a then anticipated long-term debt issuance. The associated long-term debt of \$700 million was priced on November 4, 2022, and PSEG elected, in accordance with the terms of the Treasury lock agreements, to settle these agreements with an immaterial cash payment to the counterparties which PSEG expensed.

The Accumulated Other Comprehensive Income (Loss) (after tax) related to outstanding and terminated interest rate derivatives designated as cash flow hedges was \$(3) million and \$(6) million as of December 31, 2022 and December 31, 2021, respectively. The after-tax unrealized losses on these hedges expected to be reclassified to earnings during the next 12 months are immaterial.

### Fair Values of Derivative Instruments

The following are the fair values of derivative instruments on the Consolidated Balance Sheets. The following tables also include disclosures for offsetting derivative assets and liabilities which are subject to a master netting or similar agreement. In general, the terms of the agreements provide that in the event of an early termination the counterparties have the right to offset amounts owed or owing under that and any other agreement with the same counterparty. Accordingly, and in accordance with PSEG's accounting policy, these positions are offset on the Consolidated Balance Sheets of PSEG. For additional information see Note 19. Fair Value Measurements.

Substantially all derivative instruments are contracts subject to master netting agreements. Contracts not subject to master

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netting or similar agreements are immaterial and did not have any collateral posted or received as of December 31, 2022 and 2021. The following tabular disclosure does not include the offsetting of trade receivables and payables.

<b>Balance Sheet Location</b>	As of December 31, 2022				
	PSEG	PSEG Power			Consolidated
	Cash Flow Hedges	Not Designated		Total PSEG Power	Total Derivatives
	Interest Rate Swaps	Energy-Related Contracts	Netting (A)		
	Millions				
<b>Derivative Contracts</b>					
Current Assets	\$ 4	\$ 1,721	\$ (1,707)	\$ 14	\$ 18
Noncurrent Assets	—	629	(614)	15	15
<b>Total Mark-to-Market Derivative Assets</b>	<b>\$ 4</b>	<b>\$ 2,350</b>	<b>\$ (2,321)</b>	<b>\$ 29</b>	<b>\$ 33</b>
<b>Derivative Contracts</b>					
Current Liabilities	\$ —	\$ (2,447)	\$ 2,323	\$ (124)	\$ (124)
Noncurrent Liabilities	(3)	(1,139)	1,109	(30)	(33)
<b>Total Mark-to-Market Derivative (Liabilities)</b>	<b>\$ (3)</b>	<b>\$ (3,586)</b>	<b>\$ 3,432</b>	<b>\$ (154)</b>	<b>\$ (157)</b>
<b>Total Net Mark-to-Market Derivative Assets (Liabilities)</b>	<b>\$ 1</b>	<b>\$ (1,236)</b>	<b>\$ 1,111</b>	<b>\$ (125)</b>	<b>\$ (124)</b>

<b>Balance Sheet Location</b>	As of December 31, 2021			
	PSEG Power			Consolidated
	Not Designated		Netting (A)	Total Derivatives
	Energy-Related Contracts	Netting (A)		
	Millions			
<b>Derivative Contracts</b>				
Current Assets	\$ 816	\$ (744)	\$ 72	
Noncurrent Assets	546	(518)	28	
<b>Total Mark-to-Market Derivative Assets</b>	<b>\$ 1,362</b>	<b>\$ (1,262)</b>	<b>\$ 100</b>	
<b>Derivative Contracts</b>				
Current Liabilities	\$ (1,055)	\$ 1,038	\$ (17)	
Noncurrent Liabilities	(856)	839	(17)	
<b>Total Mark-to-Market Derivative (Liabilities)</b>	<b>\$ (1,911)</b>	<b>\$ 1,877</b>	<b>\$ (34)</b>	
<b>Total Net Mark-to-Market Derivative Assets (Liabilities)</b>	<b>\$ (549)</b>	<b>\$ 615</b>	<b>\$ 66</b>	

(A) Represents the netting of fair value balances with the same counterparty (where the right of offset exists) and the application of cash collateral. All cash collateral (received) posted that has been allocated to derivative positions, where the right of offset exists, has been offset on the Consolidated Balance Sheets. As of December 31, 2022 and 2021, PSEG Power had net cash collateral payments to counterparties of \$1,521 million and \$844 million, respectively. Of these net cash collateral (receipts) payments, \$1,111 million as of December 31, 2022 and \$615 million as of December 31, 2021 were netted against the corresponding net derivative contract positions. Of the \$1,111 million as of December 31, 2022, \$616 million was netted against current liabilities and \$495 million was netted against noncurrent liabilities. Of the \$615 million as of December 31, 2021, \$(30) million was netted against current assets, \$(13) million was netted against non-current assets, \$323 million was netted against current liabilities and \$335 million was netted against noncurrent liabilities.

Certain of PSEG Power's derivative instruments contain provisions that require PSEG Power to post collateral. This collateral may be posted in the form of cash or credit support with thresholds contingent upon PSEG Power's credit rating from each of

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the major credit rating agencies. The collateral and credit support requirements vary by contract and by counterparty. These credit risk-related contingent features stipulate that if PSEG Power were to be downgraded to a below investment grade rating by S&P or Moody's, it would be required to provide additional collateral. A below investment grade credit rating for PSEG Power would represent a two level downgrade from its current Moody's and S&P ratings. This incremental collateral requirement can offset collateral requirements related to other derivative instruments that are assets with the same counterparty, where the contractual right of offset exists under applicable master agreements. PSEG Power also enters into commodity transactions on the New York Mercantile Exchange (NYMEX) and Intercontinental Exchange (ICE). The NYMEX and ICE clearing houses act as counterparties to each trade. Transactions on the NYMEX and ICE must adhere to comprehensive collateral and margin requirements.

The aggregate fair value of all derivative instruments with credit risk-related contingent features in a liability position that are not fully collateralized (excluding transactions on the NYMEX and ICE that are fully collateralized) was \$190 million and \$75 million as of December 31, 2022 and 2021, respectively. As of December 31, 2022 and 2021, PSEG Power had the contractual right of offset of \$41 million and \$29 million, respectively, related to derivative instruments that are assets with the same counterparty under master agreements and net of margin posted. If PSEG Power had been downgraded to a below investment grade rating, it would have had additional collateral obligations of \$149 million and \$46 million as of December 31, 2022 and 2021, respectively, related to its derivatives, net of the contractual right of offset under master agreements and the application of collateral.

The following shows the effect on the Consolidated Statements of Operations and on Accumulated Other Comprehensive Loss (AOCL) of derivative instruments designated as cash flow hedges for the years ended December 31, 2022, 2021 and 2020.

Derivatives in Cash Flow Hedging Relationships	Amount of Pre-Tax Gain (Loss) Recognized in AOCL on Derivatives			Location of Pre-Tax Gain (Loss) Reclassified from AOCL into Income	Amount of Pre-Tax Gain (Loss) Reclassified from AOCL into Income		
	Years Ended December 31,				Years Ended December 31,		
	2022	2021	2020		2022	2021	2020
	Millions				Millions		
Interest Rate Swaps	\$ —	\$ —	\$ (6)	Interest Expense	\$ (5)	\$ (4)	\$ (14)
<b>Total</b>	<b>\$ —</b>	<b>\$ —</b>	<b>\$ (6)</b>		<b>\$ (5)</b>	<b>\$ (4)</b>	<b>\$ (14)</b>

The effect of interest rate cash flow hedges is recorded in Interest Expense in PSEG's Consolidated Statement of Operations. For the year ended December 31, 2022, the amount of loss on interest rate hedges reclassified from Accumulated Other Comprehensive Income (Loss) into income was \$3 million, \$3 million and \$10 million after tax as of December 31, 2022, 2021 and 2020, respectively.

The following reconciles the Accumulated Other Comprehensive Income (Loss) for derivative activity included in the AOCL of PSEG on a pre-tax and after-tax basis.

Accumulated Other Comprehensive Income (Loss)	Pre-Tax	After-Tax
	Millions	
<b>Balance as of December 31, 2020</b>	<b>\$ (13)</b>	<b>\$ (9)</b>
Loss Recognized in AOCI	—	—
Less: Loss Reclassified into Income	4	3
<b>Balance as of December 31, 2021</b>	<b>\$ (9)</b>	<b>\$ (6)</b>
Loss Recognized in AOCI	—	—
Less: Loss Reclassified into Income	5	3
<b>Balance as of December 31, 2022</b>	<b>\$ (4)</b>	<b>\$ (3)</b>

The following shows the effect on the Consolidated Statements of Operations of derivative instruments not designated as hedging instruments or as NPNS for the years ended December 31, 2022, 2021 and 2020. PSEG Power's derivative contracts reflected in this table include contracts to hedge the purchase and sale of electricity and natural gas, and the purchase of fuel. The table does not include contracts that PSEG Power has designated as NPNS, such as its BGS contracts and certain other energy supply contracts that it has with other utilities and companies with retail load.

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Derivatives Not Designated as Hedges	Location of Pre-Tax Gain (Loss) Recognized in Income on Derivatives	Pre-Tax Gain (Loss) Recognized in Income on Derivatives		
		Years Ended December 31,		
		2022	2021	2020
Millions				
Energy-Related Contracts	Operating Revenues	\$ (1,748)	\$ (993)	\$ 279
Energy-Related Contracts	Energy Costs	2	126	(142)
<b>Total</b>		<b>\$ (1,746)</b>	<b>\$ (867)</b>	<b>\$ 137</b>

The amounts for the year ended December 31, 2021 in the above table have been revised from amounts reported in our December 31, 2021 Form 10-K to correct a typographical error for which Operating Revenues were inadvertently presented as a gain and Operating Expenses as a loss. This correction has no impact on the previously reported consolidated financial statements as of and for the year ended December 31, 2021.

The following table summarizes the net notional volume purchases/(sales) of open derivative transactions by commodity as of December 31, 2022 and 2021.

Type	Notional	As of December 31,	
		2022	2021
Millions			
Natural Gas	Dekatherm (Dth)	49	47
Electricity	MWh	(60)	(76)
Financial Transmission Rights (FTRs)	MWh	24	27
Interest Rate Swaps	U.S. Dollars	1,050	—

### Credit Risk

Credit risk relates to the risk of loss that PSEG Power would incur as a result of non-performance by counterparties pursuant to the terms of their contractual obligations. PSEG has established credit policies that it believes significantly minimize credit risk. These policies include an evaluation of potential counterparties' financial condition (including credit rating), collateral requirements under certain circumstances and the use of standardized agreements, which allow for the netting of positive and negative exposures associated with a single counterparty. In the event of non-performance or non-payment by a major counterparty, there may be a material adverse impact on PSEG's financial condition, results of operations or net cash flows.

As of December 31, 2022, nearly 100% of the net credit exposure for PSEG Power's wholesale operations was with investment grade counterparties and there was only one counterparty with credit exposure that was greater than 10% of the total. This credit exposure was with PSE&G, which eliminates in consolidation. See Note 26. Related-Party Transactions for additional information.

PSE&G's supplier master agreements are approved by the BPU and govern the terms of its electric supply procurement contracts. These agreements define a supplier's performance assurance requirements and allow a supplier to meet its credit requirements with a certain amount of unsecured credit. The amount of unsecured credit is determined based on the supplier's credit ratings from the major credit rating agencies and the supplier's tangible net worth. The credit position is based on the initial market price, which is the forward price of energy on the day the procurement transaction is executed, compared to the forward price curve for energy on the valuation day. To the extent that the forward price curve for energy exceeds the initial market price, the supplier is required to post a parental guarantee or other security instrument such as a letter of credit or cash, as collateral to the extent the credit exposure is greater than the supplier's unsecured credit limit. As of December 31, 2022, PSEG held parental guarantees, letters of credit and cash as security. PSE&G's BGS suppliers' credit exposure is calculated each business day. As of December 31, 2022, PSE&G had unsecured credit exposure of \$102 million with its suppliers. As of December 31, 2022, PSE&G had no net credit exposure with PSEG Power.

PSE&G is permitted to recover its costs of procuring energy through the BPU-approved BGS tariffs. PSE&G's counterparty credit risk is mitigated by its ability to recover realized energy costs through customer rates.



## Note 19. Fair Value Measurements

Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. Accounting guidance for fair value measurement emphasizes that fair value is a market-based measurement, not an entity-specific measurement, and establishes a fair value hierarchy that distinguishes between assumptions based on market data obtained from independent sources and those based on an entity's own assumptions. The hierarchy prioritizes the inputs to fair value measurement into three levels:

Level 1—measurements utilize quoted prices (unadjusted) in active markets for identical assets or liabilities that PSEG and PSE&G have the ability to access. These consist primarily of listed equity securities and money market mutual funds, as well as natural gas futures contracts executed on NYMEX.

Level 2—measurements include quoted prices for similar assets and liabilities in active markets, quoted prices for identical or similar assets or liabilities in markets that are not active, and other observable inputs such as interest rates and yield curves that are observable at commonly quoted intervals. These consist primarily of non-exchange traded derivatives such as forward contracts or options and most fixed income securities.

Level 3—measurements use unobservable inputs for assets or liabilities, based on the best information available and might include an entity's own data and assumptions. In some valuations, the inputs used may fall into different levels of the hierarchy. In these cases, the financial instrument's level within the fair value hierarchy is based on the lowest level of input that is significant to the fair value measurement. These consist primarily of certain electric load contracts.

Certain derivative transactions may transfer from Level 2 to Level 3 if inputs become unobservable and internal modeling techniques are employed to determine fair value. Conversely, measurements may transfer from Level 3 to Level 2 if the inputs become observable.

The following tables present information about PSEG's and PSE&G's respective assets and (liabilities) measured at fair value on a recurring basis as of December 31, 2022 and December 31, 2021, including the fair value measurements and the levels of inputs used in determining those fair values. Amounts shown for PSEG include the amounts shown for PSE&G.

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Description	Recurring Fair Value Measurements as of December 31, 2022				
	Total	Netting (E)	Quoted Market Prices for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
	Millions				
<b>PSEG</b>					
<b>Assets:</b>					
Cash Equivalents (A)	\$ 385	\$ —	\$ 385	\$ —	\$ —
Derivative Contracts:					
Energy-Related Contracts (B)	\$ 29	\$ (2,321)	\$ 42	\$ 2,307	\$ 1
Interest Rate Swaps (C)	\$ 4	\$ —	\$ —	\$ 4	\$ —
NDT Fund (D)					
Equity Securities	\$ 1,072	\$ —	\$ 1,072	\$ —	\$ —
Debt Securities—U.S. Treasury	\$ 288	\$ —	\$ —	\$ 288	\$ —
Debt Securities—Govt Other	\$ 339	\$ —	\$ —	\$ 339	\$ —
Debt Securities—Corporate	\$ 529	\$ —	\$ —	\$ 529	\$ —
Rabbi Trust (D)					
Equity Securities	\$ 20	\$ —	\$ 20	\$ —	\$ —
Debt Securities—U.S. Treasury	\$ 57	\$ —	\$ —	\$ 57	\$ —
Debt Securities—Govt Other	\$ 32	\$ —	\$ —	\$ 32	\$ —
Debt Securities—Corporate	\$ 74	\$ —	\$ —	\$ 74	\$ —
<b>Liabilities:</b>					
Derivative Contracts:					
Energy-Related Contracts (B)	\$ (154)	\$ 3,432	\$ (3)	\$ (3,537)	\$ (46)
Interest Rate Swaps (C)	\$ (3)	\$ —	\$ —	\$ (3)	\$ —
<b>PSE&amp;G</b>					
<b>Assets:</b>					
Cash Equivalents (A)	\$ 165	\$ —	\$ 165	\$ —	\$ —
Rabbi Trust (D)					
Equity Securities	\$ 3	\$ —	\$ 3	\$ —	\$ —
Debt Securities—U.S. Treasury	\$ 10	\$ —	\$ —	\$ 10	\$ —
Debt Securities—Govt Other	\$ 6	\$ —	\$ —	\$ 6	\$ —
Debt Securities—Corporate	\$ 13	\$ —	\$ —	\$ 13	\$ —

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Description	Recurring Fair Value Measurements as of December 31, 2021				
	Total	Netting (E)	Quoted Market Prices for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Millions					
<b>PSEG</b>					
<b>Assets:</b>					
Cash Equivalents (A)	\$ 615	\$ —	\$ 615	\$ —	\$ —
Derivative Contracts:					
Energy-Related Contracts (B)	\$ 100	\$ (1,262)	\$ 25	\$ 1,336	\$ 1
NDT Fund (D)					
Equity Securities	\$ 1,301	\$ —	\$ 1,301	\$ —	\$ —
Debt Securities—U.S. Treasury	\$ 314	\$ —	\$ —	\$ 314	\$ —
Debt Securities—Govt Other	\$ 373	\$ —	\$ —	\$ 373	\$ —
Debt Securities—Corporate	\$ 647	\$ —	\$ —	\$ 647	\$ —
Rabbi Trust (D)					
Equity Securities	\$ 26	\$ —	\$ 26	\$ —	\$ —
Debt Securities—U.S. Treasury	\$ 73	\$ —	\$ —	\$ 73	\$ —
Debt Securities—Govt Other	\$ 34	\$ —	\$ —	\$ 34	\$ —
Debt Securities—Corporate	\$ 109	\$ —	\$ —	\$ 109	\$ —
<b>Liabilities:</b>					
Derivative Contracts:					
Energy-Related Contracts (B)	\$ (34)	\$ 1,877	\$ (26)	\$ (1,880)	\$ (5)
<b>PSE&amp;G</b>					
<b>Assets:</b>					
Cash Equivalents (A)	\$ 250	\$ —	\$ 250	\$ —	\$ —
Rabbi Trust (D)					
Equity Securities	\$ 5	\$ —	\$ 5	\$ —	\$ —
Debt Securities—U.S. Treasury	\$ 13	\$ —	\$ —	\$ 13	\$ —
Debt Securities—Govt Other	\$ 6	\$ —	\$ —	\$ 6	\$ —
Debt Securities—Corporate	\$ 19	\$ —	\$ —	\$ 19	\$ —

(A) Represents money market mutual funds.

(B) Level 1—These contracts represent natural gas futures contracts executed on NYMEX, and are being valued solely on settled pricing inputs which come directly from the exchange.

Level 2—Fair values for energy-related contracts are obtained primarily using a market-based approach. Most derivative contracts (forward purchase or sale contracts and swaps) are valued using settled prices from similar assets and liabilities from an exchange, such as NYMEX, ICE and Nodal Exchange, or auction prices. Prices used in the valuation process are also corroborated independently by management to determine that values are based on actual transaction data or, in the absence of transactions, bid and offers for the day. Examples may include certain exchange and non-exchange traded capacity and electricity contracts and natural gas physical or swap contracts based on market prices, basis adjustments and other premiums where adjustments and premiums are not considered significant to the overall inputs.

Level 3—Unobservable inputs are used for the valuation of certain contracts. See “Additional Information Regarding Level 3 Measurements” below for more information on the utilization of unobservable inputs.

(C) Interest rate swaps are valued using quoted prices on commonly quoted intervals, which are interpolated for periods different than the quoted intervals, as inputs to a market valuation model. Market inputs can generally be verified and model selection does not involve significant management judgement.

(D) As of December 31, 2022 and 2021, the fair value measurement table excludes cash and foreign currency of \$2 million in the NDT Fund. The NDT Fund maintains investments in various equity and fixed income securities. The

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Rabbi Trust maintains investments in a Russell 3000 index fund and various fixed income securities. These securities are generally valued with prices that are either exchange provided (equity securities) or market transactions for comparable securities and/or broker quotes (fixed income securities).

Level 1—Investments in marketable equity securities within the NDT Fund are primarily investments in common stocks across a broad range of industries and sectors. Most equity securities are priced utilizing the principal market close price or, in some cases, midpoint, bid or ask price. Certain other equity securities in the NDT and Rabbi Trust Funds consist primarily of investments in money market funds which seek a high level of current income as is consistent with the preservation of capital and the maintenance of liquidity. To pursue its goals, the funds normally invest in diversified portfolios of high quality, short-term, dollar-denominated debt securities and government securities. The funds' net asset value is priced and published daily. The Rabbi Trust's Russell 3000 index fund is valued based on quoted prices in an active market and can be redeemed daily without restriction.

Level 2—NDT and Rabbi Trust fixed income securities include investment grade corporate bonds, collateralized mortgage obligations, asset-backed securities and certain government and U.S. Treasury obligations or Federal Agency asset-backed securities and municipal bonds with a wide range of maturities. Since many fixed income securities do not trade on a daily basis, they are priced using an evaluated pricing methodology that varies by asset class and reflects observable market information such as the most recent exchange price or quoted bid for similar securities. Market-based standard inputs typically include benchmark yields, reported trades, broker/dealer quotes and issuer spreads. Certain short-term investments are valued using observable market prices or market parameters such as time-to-maturity, coupon rate, quality rating and current yield.

- (E) Represents the netting of fair value balances with the same counterparty (where the right of offset exists) and the application of collateral. See Note 18. Financial Risk Management Activities for additional detail.

### **Additional Information Regarding Level 3 Measurements**

For valuations that include both observable and unobservable inputs, if the unobservable input is determined to be significant to the overall inputs, the entire valuation is categorized in Level 3. This includes derivatives valued using indicative price quotations for contracts with tenors that extend into periods with no observable pricing. In instances where observable data is unavailable, consideration is given to the assumptions that market participants would use in valuing the asset or liability. This includes assumptions about market risks such as liquidity, volatility and contract duration. Such instruments are categorized in Level 3 because the model inputs generally are not observable. PSEG considers credit and non-performance risk in the valuation of derivative contracts categorized in Levels 2 and 3, including both historical and current market data, in its assessment of credit and non-performance risk by counterparty. The impacts of credit and non-performance risk were not material to the financial statements.

As of December 31, 2022, PSEG carried \$2.7 billion of net assets that were measured at fair value on a recurring basis, of which \$45 million of net liabilities were measured using unobservable inputs and classified as Level 3 within the fair value hierarchy and are considered immaterial.

As of December 31, 2021, PSEG carried \$3.6 billion of net assets that were measured at fair value on a recurring basis, of which \$4 million of net liabilities were measured using unobservable inputs and classified as Level 3 within the fair value hierarchy and are considered immaterial.

There were no transfers in 2022 and 2021 to or from Level 3.

### **Note 20. Stock Based Compensation**

PSEG's 2021 Long-Term Incentive Plan (2021 LTIP), approved by shareholders on April 20, 2021 and the Amended and Restated 2004 Long-Term Incentive Plan ((LTIP 2004) under which no new grants have been made effective April 20, 2021), are broad-based equity compensation programs that provide for grants of various long-term incentive compensation awards, such as stock options, stock appreciation rights, performance share units (PSUs), restricted stock, restricted stock units (RSUs), cash awards or any combination thereof. The types of long-term incentive awards that have been granted under the LTIP are non-qualified options to purchase shares of PSEG's common stock, restricted stock unit awards and performance share unit awards. The type of equity award that is granted and the details of that award may vary from time to time and is subject to the approval of the Organization and Compensation Committee of PSEG's Board of Directors (O&CC), the LTIP's administrative committee.

The 2021 LTIP currently provides for the issuance of equity awards with respect to 8 million shares of common stock. As of December 31, 2022, approximately 7 million shares were available for future awards under the 2021 LTIP.

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In addition, on April 20, 2021 shareholders approved the PSEG 2021 Equity Compensation Plan for Outside Directors (2021 BOD Plan) and the PSEG 2007 Equity Compensation Plan for Outside Directors (2007 BOD Plan) was closed to new awards.

Under the 2021 BOD Plan, the only equity instrument which may be granted are Restricted Stock Units (RSUs) and the Board member must defer the award until they have achieved their stock ownership requirement.

#### **Stock Options**

Under the 2021 LTIP, non-qualified options to acquire shares of PSEG common stock may be granted to officers and other key employees selected by the O&CC. Option awards are granted with an exercise price equal to the market price of PSEG's common stock at the grant date. The options generally vest over four years of continuous service. Vesting schedules may be accelerated upon the occurrence of certain events, such as a change-in-control (unless substituted with an equity award of equal value), retirement, death or disability. Options are exercisable over a period of time designated by the O&CC (but not prior to one year or longer than ten years from the date of grant) and are subject to such other terms and conditions as the O&CC determines. Payment by option holders upon exercise of an option may be made in cash or, with the consent of the O&CC, by delivering previously acquired shares of PSEG common stock. No options have been granted since 2009.

#### **RSUs**

Under both the 2021 LTIP and 2004 LTIP (LTIPs), PSEG has granted RSU awards to officers and other key employees. These awards, which are bookkeeping entries only, are subject to risk of forfeiture until vested by continued employment. Until distributed, the units are credited with dividend equivalent units (DEUs) proportionate to the dividends paid on PSEG common stock. Distributions are made in shares of common stock. The RSU grants for 2022 and 2021 generally vest at the end of three years. Vesting may be accelerated (pro-rated basis or full vesting) upon certain events such as change-in-control, retirement, disability or death.

#### **PSUs**

Under the LTIPs, PSEG has granted PSUs to officers and other key employees. These provide for distribution in shares of PSEG common stock based on achievement of certain financial goals over a performance period of three years. Following the end of the performance period, the payout varies from 0% to 200% of the number of PSUs granted depending on PSEG's performance with respect to certain financial targets, including targets related to comparative performance against other companies in a peer group of energy companies. The PSUs are credited with DEUs proportionate to the dividends paid on PSEG common stock. Distributions are made in shares of common stock. Vesting may be accelerated on a pro-rated basis for the period of the employee's service during the performance period as a result of certain events, such as change-in-control, retirement, death or disability.

#### **Stock-Based Compensation**

PSEG recognizes compensation expense for stock options based on their grant date fair values, which are determined using the Black-Scholes option-pricing model. Stock option awards are expensed on a tranche-specific basis over the requisite service period of the award. Ultimately, compensation expense for stock options is recognized for awards that vest.

PSEG recognizes compensation expense for RSUs over the vesting period based on the grant date fair value of the shares, which is equal to the closing market price of PSEG's common stock on the date of the grant.

PSEG recognizes compensation expense for the total shareholder return (TSR) target for its PSU awards based on the grant date fair values of the award, which are determined using the Monte Carlo model. The following table provides the assumptions used to calculate the grant date fair value of the TSR portion of the PSU awards for 2022, 2021 and 2020:

<b>Grant Date</b>	<b>Risk-Free Interest Rate</b>	<b>Volatility</b>
February 15, 2022	1.76%	27.34%
February 16, 2021	0.22%	27.31%
February 18, 2020	1.36%	15.00%

The accrual of compensation cost is based on the probable achievement of the performance conditions, which result in a payout from 0% to 200% of the initial grant. PSEG recognizes compensation expense for the return on invested capital target for its PSUs based on the grant date fair value of the awards, which is equal to the market price of PSEG's common stock on the date of the grant. The accrual during the year of grant is estimated at 100% of the original grant. Such accrual may be adjusted to reflect the actual outcome.

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	2022	2021	2020
	Millions		
Compensation Cost included in O&M Expense	\$ 29	\$ 28	\$ 35
Income Tax Benefit Recognized in Consolidated Statement of Operations	\$ 8	\$ 8	\$ 10

For each of the years 2022, 2021 and 2020, PSEG also recorded excess tax benefits of \$2 million.

PSEG recognizes compensation cost of awards issued over the shorter of the original vesting period or the period beginning on the date of grant and ending on the date an individual is eligible for retirement and the award vests.

### Stock Options

There were no stock options granted or vested in 2022, 2021 and 2020.

### RSUs

Changes in RSUs for the year ended December 31, 2022 are summarized as follows:

	Shares	Weighted Average Grant Date Fair Value	Weighted Average Remaining Years Contractual Term	Aggregate Intrinsic Value
Non-vested as of January 1, 2022	179,831	\$ 57.83		
Granted	265,359	\$ 64.44		
Vested	220,825	\$ 62.54		
Canceled/Forfeited	8,125	\$ 60.85		
<b>Non-vested as of December 31, 2022</b>	<b>216,240</b>	<b>\$ 61.02</b>	<b>1.2</b>	<b>\$ 13,249,024</b>

The weighted average grant date fair value per share for RSUs during the years ended December 31, 2022, 2021 and 2020 was \$64.44, \$58.02 and \$58.85 per share, respectively.

The total intrinsic value of RSUs distributed during the years ended December 31, 2022, 2021 and 2020 was \$19 million, \$17 million and \$11 million, respectively.

As of December 31, 2022, there was approximately \$6 million of unrecognized compensation cost related to the RSUs, which is expected to be recognized over a weighted average period of 1.1 years. DEUs of 26,904 accrued on the RSUs during the year.

### PSUs

Changes in PSUs for the year ended December 31, 2022 are summarized as follows:

	Shares	Weighted Average Grant Date Fair Value	Weighted Average Remaining Years Contractual Term	Aggregate Intrinsic Value
Non-vested as of January 1, 2022	476,354	\$ 59.76		
Granted	433,860	\$ 68.90		
Vested	467,510	\$ 61.31		
Canceled/Forfeited	45,694	\$ 62.08		
<b>Non-vested as of December 31, 2022</b>	<b>397,010</b>	<b>\$ 67.65</b>	<b>1.7</b>	<b>\$ 24,324,782</b>

The weighted average grant date fair value per share for PSUs during the years ended December 31, 2022, 2021 and 2020 was \$68.90, \$65.57 and \$51.79 per share, respectively.

The total intrinsic value of PSUs distributed during the years ended December 31, 2022, 2021 and 2020 was \$18 million, \$28 million and \$19 million, respectively.

As of December 31, 2022, there was approximately \$27 million of unrecognized compensation cost related to the PSUs, which is expected to be recognized over a weighted average period of 1.7 years. DEUs of 41,862 accrued on the PSUs during the year.

### Outside Directors

Under the closed 2007 BOD Plan and the new 2021 BOD Plan, annually, on the first business day of May, each non-employee member of the Board of Directors is awarded stock units based on the amount of annual compensation to be paid at the closing

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price of PSEG common stock on that date. DEUs are credited quarterly and distributions will occur as specified by their election in accordance with the provisions of the BOD Plan.

The fair value of these awards is recorded as compensation expense in the Consolidated Statements of Operations. Compensation expense for the plan was \$2 million for the year ended December 31, 2022, and immaterial for each of the years ended December 31, 2021 and 2020.

### ESPP

PSEG maintains an ESPP for all eligible employees of PSEG and its subsidiaries. Under the ESPP, shares of PSEG common stock may be purchased at 95% of the fair market value for represented employees and 90% for non-represented employees through payroll deductions. Dividends are to be paid out in cash unless the participant elects the dividends to be reinvested at fair market price. All employees are required to hold the shares purchased under the ESPP for at least three months from the purchase date. In any year, employees may purchase shares having a value not exceeding 10% of their base pay. Compensation expense recognized under this program was \$2 million for each of the years ended December 31, 2022 and 2021 and \$1 million for the year ended December 31, 2020.

During the years ended December 31, 2022, 2021 and 2020, employees purchased 321,429 shares, 326,634 shares and 373,682 shares, respectively, at an average price of \$57.72, \$56.87 and \$47.26 per share, respectively. As of December 31, 2022, 1.6 million shares were available for future issuance under this plan.

### Note 21. Other Income (Deductions)

	PSE&G	PSEG Power & Other (A)	Consolidated
	Millions		
<b>Year Ended December 31, 2022</b>			
NDT Fund Interest and Dividends	\$ —	\$ 62	\$ 62
AFUDC	65	—	65
Solar Loan Interest	10	—	10
Donations	—	(1)	(1)
Purchases of Tax Losses under New Jersey Technology Tax Benefit Transfer Program	—	(27)	(27)
Other	13	2	15
<b>Total Other Income (Deductions)</b>	<b>\$ 88</b>	<b>\$ 36</b>	<b>\$ 124</b>
<b>Year Ended December 31, 2021</b>			
NDT Fund Interest and Dividends	\$ —	\$ 59	\$ 59
AFUDC	71	—	71
Solar Loan Interest	13	—	13
Donations	(1)	(21)	(22)
Purchases of Tax Losses under New Jersey Technology Tax Benefit Transfer Program	—	(19)	(19)
Other	5	(9)	(4)
<b>Total Other Income (Deductions)</b>	<b>\$ 88</b>	<b>\$ 10</b>	<b>\$ 98</b>
<b>Year Ended December 31, 2020</b>			
NDT Fund Interest and Dividends	\$ —	\$ 52	\$ 52
AFUDC	87	—	87
Solar Loan Interest	15	—	15
Donations	—	(3)	(3)
Purchases of Tax Losses under New Jersey Technology Tax Benefit Transfer Program	—	(36)	(36)
Other	6	(6)	—
<b>Total Other Income (Deductions)</b>	<b>\$ 108</b>	<b>\$ 7</b>	<b>\$ 115</b>

- (A) PSEG Power & Other consists of activity at PSEG Power, Energy Holdings, PSEG LI, Services, PSEG (as parent company) and intercompany eliminations.

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**Note 22. Income Taxes**

A reconciliation of reported income tax expense for PSEG with the amount computed by multiplying pre-tax income by the statutory federal income tax rate of 21% is as follows:

PSEG	Years Ended December 31,		
	2022	2021	2020
	Millions		
Net Income (Loss)	\$ 1,031	\$ (648)	\$ 1,905
<b>Income Taxes:</b>			
Operating Income:			
Current (Benefit) Expense:			
Federal	\$ 262	\$ 407	\$ 385
State	(30)	(3)	48
Total Current	232	404	433
Deferred Expense (Benefit):			
Federal	(335)	(700)	(164)
State	80	(136)	141
Total Deferred	(255)	(836)	(23)
ITC	(6)	(9)	(14)
<b>Total Income Tax Expense (Benefit)</b>	<b>\$ (29)</b>	<b>\$ (441)</b>	<b>\$ 396</b>
Pre-Tax Income (Loss)	\$ 1,002	\$ (1,089)	\$ 2,301
Tax Computed at Statutory Rate @ 21%	\$ 210	\$ (229)	\$ 483
Increase (Decrease) Attributable to Flow-Through of Certain Tax Adjustments:			
State Income Taxes (net of federal income tax)	41	(109)	147
Uncertain Tax Positions	(22)	19	3
NDT Fund	(22)	23	32
Plant-Related Items	(6)	(7)	(9)
Tax Credits	(10)	29	(18)
Audit Settlement	—	(8)	(27)
Leasing Activities	—	(1)	(35)
GPRC-CEF-EE	(37)	(13)	—
TAC	(193)	(171)	(205)
Bad Debt Flow-Through	(1)	27	28
Other	11	(1)	(3)
Subtotal	(239)	(212)	(87)
<b>Total Income Tax Expense (Benefit)</b>	<b>\$ (29)</b>	<b>\$ (441)</b>	<b>\$ 396</b>
Effective Income Tax Rate	(2.9)%	40.5 %	17.2 %



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The following is an analysis of deferred income taxes for PSEG:

PSEG	As of December 31,	
	2022	2021
	Millions	
<b>Deferred Income Taxes</b>		
<b>Assets:</b>		
Noncurrent:		
Regulatory Liability Excess Deferred Tax	\$ 390	\$ 439
OPEB	74	107
Bad Debt	66	67
Related to Uncertain Tax Positions	1	30
Operating Leases	42	48
Other	378	253
<b>Total Noncurrent Assets</b>	<b>\$ 951</b>	<b>\$ 944</b>
<b>Liabilities:</b>		
Noncurrent:		
Plant-Related Items	\$ 4,663	\$ 4,701
New Jersey Corporate Business Tax	1,009	939
Leasing Activities	99	113
AROs and NDT Fund	161	270
Taxes Recoverable Through Future Rates (net)	149	120
Pension Costs	164	169
Operating Leases	37	43
Other	324	271
<b>Total Noncurrent Liabilities</b>	<b>\$ 6,606</b>	<b>\$ 6,626</b>
<b>Summary of Accumulated Deferred Income Taxes:</b>		
Net Noncurrent Deferred Income Tax Liabilities	\$ 5,655	\$ 5,682
ITC	70	77
<b>Net Total Noncurrent Deferred Income Taxes and ITC</b>	<b>\$ 5,725</b>	<b>\$ 5,759</b>

The deferred tax effect of certain assets and liabilities is presented in the table above net of the deferred tax effect associated with the respective regulatory deferrals.

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A reconciliation of reported income tax expense for PSE&G with the amount computed by multiplying pre-tax income by the statutory federal income tax rate of 21% is as follows:

PSE&G	Years Ended December 31,		
	2022	2021	2020
	Millions		
Net Income	\$ 1,565	\$ 1,446	\$ 1,327
<b>Income Taxes:</b>			
Operating Income:			
Current (Benefit) Expense:			
Federal	\$ 130	\$ 208	\$ 179
State	—	1	8
Total Current	130	209	187
Deferred Expense (Benefit):			
Federal	(17)	(33)	(71)
State	159	153	128
Total Deferred	142	120	57
ITC	(5)	(5)	(4)
<b>Total Income Tax Expense</b>	<b>\$ 267</b>	<b>\$ 324</b>	<b>\$ 240</b>
Pre-Tax Income	\$ 1,832	\$ 1,770	\$ 1,567
Tax Computed at Statutory Rate @ 21%	\$ 385	\$ 372	\$ 329
Increase (Decrease) Attributable to Flow-Through of Certain Tax Adjustments:			
State Income Taxes (net of federal income tax)	126	122	106
Uncertain Tax Positions	2	2	4
Plant-Related Items	(6)	(7)	(9)
Tax Credits	(9)	(8)	(9)
Audit Settlement	—	(1)	(2)
GPRC-CEF-EE	(37)	(13)	—
TAC	(193)	(171)	(205)
Bad Debt Flow-Through	(1)	27	28
Other	—	1	(2)
Subtotal	(118)	(48)	(89)
<b>Total Income Tax Expense</b>	<b>\$ 267</b>	<b>\$ 324</b>	<b>\$ 240</b>
Effective Income Tax Rate	14.6 %	18.3 %	15.3 %

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The following is an analysis of deferred income taxes for PSE&G:

PSE&G	As of December 31,	
	2022	2021
	Millions	
<b>Deferred Income Taxes</b>		
<b>Assets:</b>		
Noncurrent:		
Regulatory Liability Excess Deferred Tax	\$ 390	\$ 439
OPEB	42	61
Related to Uncertain Tax Positions	3	—
Bad Debt	66	67
Operating Leases	19	20
Other	53	57
Total Noncurrent Assets	\$ 573	\$ 644
<b>Liabilities:</b>		
Noncurrent:		
Plant-Related Items	\$ 4,174	\$ 4,006
New Jersey Corporate Business Tax	1,011	863
Pension Costs	195	180
Taxes Recoverable Through Future Rates (net)	149	120
Conservation Costs	81	75
Operating Leases	18	19
Related to Uncertain Tax Positions	—	1
Other	223	178
Total Noncurrent Liabilities	\$ 5,851	\$ 5,442
<b>Summary of Accumulated Deferred Income Taxes:</b>		
Net Noncurrent Deferred Income Tax Liabilities	\$ 5,278	\$ 4,798
ITC	70	76
<b>Net Total Noncurrent Deferred Income Taxes and ITC</b>	<b>\$ 5,348</b>	<b>\$ 4,874</b>

The deferred tax effect of certain assets and liabilities is presented in the table above net of the deferred tax effect associated with the respective regulatory deferrals.

PSEG and PSE&G each provide deferred taxes at the enacted statutory tax rate for all temporary differences between the financial statement carrying amounts and the tax bases of assets and liabilities irrespective of the treatment for rate-making purposes. Management believes that it is probable that the accumulated tax benefits that previously have been treated as a flow-through item to PSE&G customers will be recovered from or refunded to PSE&G's customers in the future. See Note 7. Regulatory Assets and Liabilities.

The 2018 decrease in the federal tax rate resulted in PSE&G recording excess deferred income taxes. As of December 31, 2022, the balance was approximately \$1.5 billion with a Regulatory Liability of approximately \$2.0 billion. In 2022, PSE&G returned approximately \$269 million of excess deferred income taxes and previously realized and current period deferred income taxes related to tax repair deductions to its customers with a reduction to tax expense of approximately \$193 million. The flowback to customers of the excess deferred income taxes and previously realized tax repair deductions resulted in a decrease of approximately \$234 million in the Regulatory Liability. The current period tax repair deduction reduces tax expense and revenue and recognizes a Regulatory Asset as PSE&G believes it is probable that the current period tax repair deductions flowed through to the customers will be recovered from customers in the future. See Note 7. Regulatory Assets and Liabilities for additional information.

In March 2020, the federal Coronavirus Aid, Relief, and Economic Security Act (CARES Act) was enacted. Among other provisions, the CARES Act allows a five-year carryback of any net operating loss (NOL) generated in a taxable year beginning after December 31, 2017, and before January 1, 2021.

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In April 2020, the IRS issued a private letter ruling to PSE&G concluding that certain excess deferred taxes previously classified as protected should be classified as unprotected. Unprotected excess deferred income taxes are not subject to the normalization rules allowing them to be refunded to customers sooner as agreed to with FERC and the BPU. In July 2020, FERC and the BPU approved PSE&G's requests to refund these unprotected excess deferred income taxes to customers. FERC approved the refund of these unprotected excess deferred income taxes within the 2019 true-up filing. The BPU approved the refund of these unprotected excess deferred income taxes beginning in July 2020 through December 31, 2024.

In July 2020, the IRS issued final and proposed regulations addressing the limitation on deductible business interest expense contained in the Tax Act. These regulations retroactively allow depreciation to be added back in computing the 30% adjusted taxable income (ATI) cap, increasing the amount of interest that can be deducted by unregulated businesses in years before 2022. For 2022 and after, the regulations continue to disallow the addback of depreciation in the computation of ATI, effectively lowering the cap on the amount of deductible business interest and contain special rules in allocating interest between regulated and non-regulated businesses. The portion of PSEG's and PSEG Power's business interest expense that was disallowed in 2018 and 2019 under the previously issued proposed regulations will now be deductible in those respective years.

In March 2021, PSEG amended its 2018 federal income tax return to deduct the previously disallowed business interest expense in accordance with the final and proposed regulations issued in July 2020. The 2018 amended return generated a NOL that was carried back to 2013 as provided by the CARES Act. In December 2022, the carryback claim was approved by the IRS, which resulted in a \$28 million income statement benefit and the closure of PSEG's federal tax years through 2018.

In August 2022, the IRA was signed into law. The IRA made certain changes to existing energy tax credit laws and enacted a new 15% corporate alternative minimum tax, effective in 2023. Changes to the energy tax credit laws include: increases to the PTC rate, a new PTC for electricity generation using nuclear energy, expanded technologies that are eligible for energy tax credits, and the transferability of the energy tax credits. See Note 4. Early Plant Retirements/Asset Dispositions and Impairments for additional information on the nuclear PTC.

Since the enactment of the IRA, the U.S. Treasury issued various Notices that provide interim guidance on several provisions of the IRA. The Notices state that the U.S. Treasury anticipates issuing additional guidance and proposed and final regulations. Until the U.S. Treasury issues additional clarity to many of the provisions, the impact that the IRA will have on PSEG's and PSE&G's financial statements is not determinable.

The enactment of additional federal or state tax legislation and clarification of previously enacted tax laws could impact PSEG's and PSE&G's financial statements.

As of December 31, 2022, PSEG had a \$60 million state NOL and PSE&G had a \$29 million New Jersey Corporate Business Tax NOL that are both expected to be fully realized in the future.

PSEG recorded the following amounts related to its unrecognized tax benefits, which were primarily comprised of amounts recorded for PSE&G and PSEG's other subsidiaries:

2022	PSEG	PSE&G
	Millions	
Total Amount of Unrecognized Tax Benefits as of January 1, 2022	\$ 192	\$ 27
Increases as a Result of Positions Taken in a Prior Period	9	2
Decreases as a Result of Positions Taken in a Prior Period	(40)	(2)
Increases as a Result of Positions Taken during the Current Period	1	1
Decreases as a Result of Positions Taken during the Current Period	—	—
Decreases as a Result of Settlements with Taxing Authorities	(28)	—
Decreases due to Lapses of Applicable Statute of Limitations	(4)	1
Total Amount of Unrecognized Tax Benefits as of December 31, 2022	\$ 130	\$ 29
Accumulated Deferred Income Taxes Associated with Unrecognized Tax Benefits	(37)	(15)
Regulatory Asset—Unrecognized Tax Benefits	(8)	(8)
<b>Total Amount of Unrecognized Tax Benefits that if Recognized, would Impact the Effective Tax Rate (including Interest and Penalties)</b>	<b>\$ 85</b>	<b>\$ 6</b>

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2021	PSEG	PSE&G
	Millions	
Total Amount of Unrecognized Tax Benefits as of January 1, 2021	\$ 147	\$ 30
Increases as a Result of Positions Taken in a Prior Period	58	8
Decreases as a Result of Positions Taken in a Prior Period	(19)	(12)
Increases as a Result of Positions Taken during the Current Period	6	1
Decreases as a Result of Positions Taken during the Current Period	—	—
Decreases as a Result of Settlements with Taxing Authorities	—	—
Decreases due to Lapses of Applicable Statute of Limitations	—	—
Total Amount of Unrecognized Tax Benefits as of December 31, 2021	\$ 192	\$ 27
Accumulated Deferred Income Taxes Associated with Unrecognized Tax Benefits	(76)	(15)
Regulatory Asset—Unrecognized Tax Benefits	(7)	(7)
<b>Total Amount of Unrecognized Tax Benefits that if Recognized, would Impact the Effective Tax Rate (including Interest and Penalties)</b>	<b>\$ 109</b>	<b>\$ 5</b>

2020	PSEG	PSE&G
	Millions	
Total Amount of Unrecognized Tax Benefits as of January 1, 2020	\$ 321	\$ 124
Increases as a Result of Positions Taken in a Prior Period	33	21
Decreases as a Result of Positions Taken in a Prior Period	(91)	(51)
Increases as a Result of Positions Taken during the Current Period	—	—
Decreases as a Result of Positions Taken during the Current Period	—	—
Decreases as a Result of Settlements with Taxing Authorities	(116)	(64)
Decreases due to Lapses of Applicable Statute of Limitations	—	—
Total Amount of Unrecognized Tax Benefits as of December 31, 2020	\$ 147	\$ 30
Accumulated Deferred Income Taxes Associated with Unrecognized Tax Benefits	(69)	(12)
Regulatory Asset—Unrecognized Tax Benefits	(15)	(15)
<b>Total Amount of Unrecognized Tax Benefits that if Recognized, would Impact the Effective Tax Rate (including Interest and Penalties)</b>	<b>\$ 63</b>	<b>\$ 3</b>

In 2020, the IRS approved PSEG’s nuclear carryback claim and federal tax returns for the years 2011 through 2016. In 2022, the IRS approved PSEG’s 2018 carryback claim, which resulted in the closure of PSEG’s federal tax years through 2018.

PSEG and its subsidiaries include accrued interest and penalties related to uncertain tax positions required to be recorded as Income Tax Expense in the Consolidated Statements of Operations. Accumulated interest and penalties that are recorded on the Consolidated Balance Sheets on uncertain tax positions were as follows:

	<b>Accumulated Interest and Penalties on Uncertain Tax Positions as of December 31,</b>		
	<b>2022</b>	<b>2021</b>	<b>2020</b>
	Millions		
PSEG	\$ 38	\$ 31	\$ 29
PSE&G	\$ 8	\$ 9	\$ 9

It is reasonably possible that total unrecognized tax benefits will significantly increase or decrease within the next twelve months due to either agreements with various taxing authorities upon audit, the expiration of the Statute of Limitations, or other pending tax matters. These potential increases or decreases are as follows:

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Possible Decrease in Total Unrecognized Tax Benefits	Over the next 12 Months
	Millions
PSEG	\$ 12
PSE&G	\$ 11

A description of income tax years that remain subject to examination by material jurisdictions, where an examination has not already concluded are:

	PSEG	PSE&G
United States		
Federal	2019-2021	N/A
New Jersey	2011-2021	2011-2021
Pennsylvania	2017-2021	2019-2021
Connecticut	2019-2021	N/A
Maryland	2019-2021	N/A
New York	2017-2021	N/A

**Note 23. Accumulated Other Comprehensive Income (Loss), Net of Tax**

PSEG	Other Comprehensive Income (Loss)			
	Cash Flow Hedges	Pension and OPEB Plans	Available-for-Sale Securities	Total
<b>Accumulated Other Comprehensive Income (Loss)</b>				
	Millions			
<b>Balance as of December 31, 2019</b>	\$ (15)	\$ (499)	\$ 25	\$ (489)
Current Period Other Comprehensive Income (Loss)				
Other Comprehensive Income (Loss) before Reclassifications	(4)	(58)	51	(11)
Amounts Reclassified from Accumulated Other Comprehensive Income (Loss)	10	12	(26)	(4)
Net Current Period Other Comprehensive Income (Loss)	6	(46)	25	(15)
<b>Balance as of December 31, 2020</b>	<b>\$ (9)</b>	<b>\$ (545)</b>	<b>\$ 50</b>	<b>\$ (504)</b>
Other Comprehensive Income (Loss) before Reclassifications	—	176	(33)	143
Amounts Reclassified from Accumulated Other Comprehensive Income (Loss)	3	14	(6)	11
Net Current Period Other Comprehensive Income (Loss)	3	190	(39)	154
<b>Balance as of December 31, 2021</b>	<b>\$ (6)</b>	<b>\$ (355)</b>	<b>\$ 11</b>	<b>\$ (350)</b>
Other Comprehensive Income (Loss) before Reclassifications	—	(72)	(158)	(230)
Amounts Reclassified from Accumulated Other Comprehensive Income (Loss)	3	1	26	30
Net Current Period Other Comprehensive Income (Loss)	3	(71)	(132)	(200)
<b>Balance as of December 31, 2022</b>	<b>\$ (3)</b>	<b>\$ (426)</b>	<b>\$ (121)</b>	<b>\$ (550)</b>

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PSEG		Amounts Reclassified from Accumulated Other Comprehensive Income (Loss) to Income Statement		
		Year Ended December 31, 2020		
Description of Amounts Reclassified from Accumulated Other Comprehensive Income (Loss)	Location of Pre-Tax Amount in Statement of Operations	Pre-Tax Amount	Tax (Expense) Benefit	After-Tax Amount
Millions				
<b>Cash Flow Hedges</b>				
Interest Rate Swaps	Interest Expense	\$ (14)	\$ 4	\$ (10)
<b>Total Cash Flow Hedges</b>		<b>(14)</b>	<b>4</b>	<b>(10)</b>
<b>Pension and OPEB Plans</b>				
Amortization of Prior Service (Cost) Credit	Non-Operating Pension and OPEB Credits (Costs)	24	(7)	17
Amortization of Actuarial Loss	Non-Operating Pension and OPEB Credits (Costs)	(40)	11	(29)
<b>Total Pension and OPEB Plans</b>		<b>(16)</b>	<b>4</b>	<b>(12)</b>
<b>Available-for-Sale Securities</b>				
Realized Gains (Losses) and Impairments	Net Gains (Losses) on Trust Investments	42	(16)	26
<b>Total Available-for-Sale Securities</b>		<b>42</b>	<b>(16)</b>	<b>26</b>
<b>Total</b>		<b>\$ 12</b>	<b>\$ (8)</b>	<b>\$ 4</b>

PSEG		Amounts Reclassified from Accumulated Other Comprehensive Income (Loss) to Income Statement		
		Year Ended December 31, 2021		
Description of Amounts Reclassified from Accumulated Other Comprehensive Income (Loss)	Location of Pre-Tax Amount in Statement of Operations	Pre-Tax Amount	Tax (Expense) Benefit	After-Tax Amount
Millions				
<b>Cash Flow Hedges</b>				
Interest Rate Swaps	Interest Expense	\$ (4)	\$ 1	\$ (3)
<b>Total Cash Flow Hedges</b>		<b>(4)</b>	<b>1</b>	<b>(3)</b>
<b>Pension and OPEB Plans</b>				
Amortization of Prior Service (Cost) Credit	Non-Operating Pension and OPEB Credits (Costs)	21	(6)	15
Amortization of Actuarial Loss	Non-Operating Pension and OPEB Credits (Costs)	(41)	12	(29)
<b>Total Pension and OPEB Plans</b>		<b>(20)</b>	<b>6</b>	<b>(14)</b>
<b>Available-for-Sale Securities</b>				
Realized Gains (Losses)	Net Gains (Losses) on Trust Investments	9	(3)	6
<b>Total Available-for-Sale Securities</b>		<b>9</b>	<b>(3)</b>	<b>6</b>
<b>Total</b>		<b>\$ (15)</b>	<b>\$ 4</b>	<b>\$ (11)</b>

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PSEG		Amounts Reclassified from Accumulated Other Comprehensive Income (Loss) to Income Statement		
		Year Ended December 31, 2022		
Description of Amounts Reclassified from Accumulated Other Comprehensive Income (Loss)	Location of Pre-Tax Amount in Statement of Operations	Pre-Tax Amount	Tax (Expense) Benefit	After-Tax Amount
Millions				
<b>Cash Flow Hedges</b>				
Interest Rate Swaps	Interest Expense	\$ (5)	\$ 2	\$ (3)
<b>Total Cash Flow Hedges</b>		<u>(5)</u>	<u>2</u>	<u>(3)</u>
<b>Pension and OPEB Plans</b>				
Amortization of Prior Service (Cost) Credit	Non-Operating Pension and OPEB Credits (Costs)	21	(6)	15
Amortization of Actuarial Loss	Non-Operating Pension and OPEB Credits (Costs)	(22)	6	(16)
<b>Total Pension and OPEB Plans</b>		<u>(1)</u>	<u>—</u>	<u>(1)</u>
<b>Available-for-Sale Securities</b>				
Realized Gains (Losses)	Net Gains (Losses) on Trust Investments	(43)	17	(26)
<b>Total Available-for-Sale Securities</b>		<u>(43)</u>	<u>17</u>	<u>(26)</u>
<b>Total</b>		<u>\$ (49)</u>	<u>\$ 19</u>	<u>\$ (30)</u>

**Note 24. Earnings Per Share (EPS) and Dividends**

**EPS**

Basic EPS is calculated by dividing Net Income (Loss) by the weighted average number of shares of common stock outstanding. Diluted EPS is calculated by dividing Net Income (Loss) by the weighted average number of shares of common stock outstanding, plus dilutive potential shares related to PSEG's stock based compensation. For additional information on PSEG's stock compensation plans see Note 20. Stock Based Compensation. The following table shows the effect of these dilutive potential shares on the weighted average number of shares outstanding used in calculating diluted EPS:

	Years Ended December 31,					
	2022		2021		2020	
	Basic	Diluted	Basic	Diluted	Basic	Diluted
<b>EPS Numerator:</b> (Millions)						
<b>Net Income (Loss)</b>	<u>\$ 1,031</u>	<u>\$ 1,031</u>	<u>\$ (648)</u>	<u>\$ (648)</u>	<u>\$ 1,905</u>	<u>\$ 1,905</u>
<b>EPS Denominator:</b> (Millions)						
Weighted Average Common Shares Outstanding	498	498	504	504	504	504
Effect of Stock Based Compensation Awards	—	3	—	—	—	3
<b>Total Shares</b>	<u>498</u>	<u>501</u>	<u>504</u>	<u>504</u>	<u>504</u>	<u>507</u>
<b>EPS:</b>						
<b>Net Income (Loss)</b>	<u>\$ 2.07</u>	<u>\$ 2.06</u>	<u>\$ (1.29)</u>	<u>\$ (1.29)</u>	<u>\$ 3.78</u>	<u>\$ 3.76</u>



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Approximately 3 million potentially dilutive shares were excluded from total shares used to calculate the diluted loss per share for the year ended December 31, 2021, as their impact was antidilutive.

For additional information on all the types of long-term incentive awards, see Note 20. Stock Based Compensation.

From time to time, PSEG may repurchase shares to satisfy obligations under equity compensation awards and repurchase shares to satisfy purchases by employees under the ESPP. In December 2022, for such purposes, PSEG entered into a share repurchase plan that complies with Rule 10b5-1 under the Securities Exchange Act of 1934, as amended. There were no common share repurchases in the open market during the fourth quarter of 2022.

In September 2021, PSEG announced a \$500 million share repurchase program, authorized by the Board of Directors. In December 2021, under this authorization PSEG entered into an open market share repurchase plan for \$250 million of its common shares. During January and through mid-February 2022, PSEG purchased the full \$250 million of common stock under the open market share repurchase plan, representing approximately 3.8 million shares.

In March 2022, under this same authorization, PSEG entered into a Master Confirmation and Supplemental Confirmation with an investment banking firm to effect an accelerated share repurchase agreement (ASR Agreement) for the remaining authorized \$250 million of shares of PSEG's outstanding common stock. Under the ASR Agreement, PSEG received initial delivery of approximately 3.0 million shares of common stock in mid-March, representing approximately 80% of the total number of shares of common stock initially underlying the ASR Agreement. In mid-May 2022, the investment banking firm exercised its right to accelerate the termination of the contract pursuant to the terms of the ASR Agreement and PSEG received approximately 0.6 million shares, representing the balance of the shares owed to PSEG under the ASR Agreement.

Through the open market share repurchase plan and an accelerated share repurchase program, the \$500 million share repurchase program authorized in September 2021 was completed, resulting in an aggregate repurchase of approximately 7.4 million shares.

### Dividends

Dividend Payments on Common Stock	Years Ended December 31,		
	2022	2021	2020
Per Share	\$ 2.16	\$ 2.04	\$ 1.96
in Millions	\$ 1,079	\$ 1,031	\$ 991

On February 14, 2023, PSEG's Board of Directors approved a \$0.57 per share common stock dividend for the first quarter of 2023.

## Note 25. Financial Information by Business Segment

### Basis of Organization

PSEG's and PSE&G's operating segments were determined by management in accordance with GAAP. These segments were determined based on how the Chief Operating Decision Maker (CODM) (the Chief Executive Officer (CEO) for PSEG and PSE&G), measures performance based on segment Net Income and how resources are allocated to each business.

Following completion of the sale of the PSEG Power Fossil portfolio in February 2022 and as a result of the transition to a new CEO, our designated CODM, effective September 1, 2022, various changes have been made to the content and manner in which the new CEO reviews financial information for purposes of assessing business performance and allocating resources. Based on management's analysis, PSE&G and PSEG Power were determined to remain operating segments of PSEG. However, PSEG has revised its reportable segments for the year ended December 31, 2022 to PSE&G and PSEG Power & Other. PSE&G continues to be PSEG's principal reportable segment. The PSEG Power & Other reportable segment includes amounts related to the PSEG Power operating segment as well as amounts applicable to Energy Holdings, PSEG LI, PSEG (parent corporation) and Services, which do not meet the definition of operating segments individually or in the aggregate and are immaterial to PSEG's consolidated assets and results. All prior period comparative information has been restated to reflect the change in segment presentation.

### PSE&G

PSE&G earns revenues from its tariffs, under which it provides electric transmission and electric and gas distribution services to residential, commercial and industrial customers in New Jersey. The rates charged for electric transmission are regulated by FERC while the rates charged for electric and gas distribution are regulated by the BPU. Revenues are also earned from several

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other activities such as investments in EE equipment on customers' premises, solar investments, the appliance service business and other miscellaneous services.

### PSEG Power & Other

This reportable segment is comprised primarily of PSEG Power which earns revenues primarily by bidding energy, capacity and ancillary services into the markets for these products and by selling energy, capacity and ancillary services on a wholesale basis under contract to power marketers and to load-serving entities. PSEG Power also enters into bilateral contracts for energy, capacity, FTRs, gas, emission allowances and other energy-related contracts to optimize the value of its portfolio of generating assets and its electric and gas supply obligations. In addition, PSEG Power's Salem 1, Salem 2 and Hope Creek nuclear plants receive ZEC revenue from the EDCs in New Jersey including PSE&G.

This reportable segment also includes amounts applicable to PSEG LI, which generates revenues under its contract with LIPA, primarily for the recovery of costs when Servco is a principal in the transaction (see Note 5. Variable Interest Entities for additional information) as well as fixed and variable fee components under the contract, and Energy Holdings which holds an immaterial portfolio of remaining lease investments. Other also includes amounts applicable to PSEG (parent corporation) and Services.

	PSE&G	PSEG Power & Other	Eliminations (A)	Consolidated Total
	Millions			
<b>Year Ended December 31, 2022</b>				
Operating Revenues	\$ 7,935	\$ 3,266	\$ (1,401)	\$ 9,800
Depreciation and Amortization	935	165	—	1,100
Operating Income (Loss)	1,892	(511)	—	1,381
Income from Equity Method Investments	—	14	—	14
Interest Income	19	13	(1)	31
Interest Expense	427	202	(1)	628
Income (Loss) before Income Taxes	1,832	(830)	—	1,002
Income Tax Expense (Benefit)	267	(296)	—	(29)
Net Income (Loss) (B) (C)	\$ 1,565	\$ (534)	\$ —	\$ 1,031
Gross Additions to Long-Lived Assets	\$ 2,590	\$ 298	\$ —	\$ 2,888
<b>As of December 31, 2022</b>				
Total Assets	\$ 39,960	\$ 9,285	\$ (527)	\$ 48,718
Investments in Equity Method Subsidiaries	\$ —	\$ 306	\$ —	\$ 306

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	<b>PSE&amp;G</b>	<b>PSEG Power &amp; Other</b>	<b>Eliminations (A)</b>	<b>Consolidated Total</b>
	Millions			
<b>Year Ended December 31, 2021</b>				
Operating Revenues	\$ 7,122	\$ 3,767	\$ (1,167)	\$ 9,722
Depreciation and Amortization	928	288	—	1,216
Operating Income (Loss)	1,818	(2,674)	—	(856)
Income from Equity Method Investments	—	16	—	16
Interest Income	14	6	—	20
Interest Expense	402	169	—	571
Income (Loss) before Income Taxes	1,770	(2,859)	—	(1,089)
Income Tax Expense (Benefit)	324	(765)	—	(441)
Net Income (Loss) (B) (C)	\$ 1,446	\$ (2,094)	\$ —	\$ (648)
Gross Additions to Long-Lived Assets	\$ 2,447	\$ 272	\$ —	\$ 2,719
<b>As of December 31, 2021</b>				
Total Assets	\$ 37,198	\$ 12,258	\$ (457)	\$ 48,999
Investments in Equity Method Subsidiaries	\$ —	\$ 173	\$ —	\$ 173

	<b>PSE&amp;G</b>	<b>PSEG Power &amp; Other</b>	<b>Eliminations (A)</b>	<b>Consolidated Total</b>
	Millions			
<b>Year Ended December 31, 2020</b>				
Operating Revenues	\$ 6,608	\$ 4,229	\$ (1,234)	\$ 9,603
Depreciation and Amortization	887	398	—	1,285
Operating Income (Loss)	1,639	631	—	2,270
Income from Equity Method Investments	—	14	—	14
Interest Income	17	10	(2)	25
Interest Expense	388	214	(2)	600
Income (Loss) before Income Taxes	1,567	734	—	2,301
Income Tax Expense (Benefit)	240	156	—	396
Net Income (Loss) (B) (C)	\$ 1,327	\$ 578	\$ —	\$ 1,905
Gross Additions to Long-Lived Assets	\$ 2,507	\$ 416	\$ —	\$ 2,923
<b>As of December 31, 2020</b>				
Total Assets	\$ 35,581	\$ 14,988	\$ (519)	\$ 50,050
Investments in Equity Method Subsidiaries	\$ —	\$ 64	\$ —	\$ 64

- (A) Intercompany eliminations primarily relate to intercompany transactions between PSE&G and PSEG Power. For a further discussion of the intercompany transactions between PSE&G and PSEG Power, see Note 26. Related-Party Transactions.
- (B) Include after-tax impairments of \$92 million related to certain Energy Holdings investments and additional adjustments related to the sale of PSEG Power's fossil generation assets in the year ended December 31, 2022. Includes after-tax impairment losses and other charges, including debt extinguishment costs, related to the sale of the fossil generating assets at PSEG Power of \$2,158 million in the year ended December 31, 2021. Includes an after-tax gain of \$86 million in the year ended December 31, 2020 related to the sale of PSEG Power's interest in the Yards Creek generation facility. See Note 4. Early Plant Retirements/Asset Dispositions and Impairments for additional information.
- (C) Includes net after-tax losses of \$457 million, \$446 million and \$58 million in the years ended December 31, 2022, 2021 and 2020, respectively at PSEG Power related to the impacts of non-trading commodity mark-to-market activity, which consists of the financial impact from positions with future delivery dates.

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### Note 26. Related-Party Transactions

The following discussion relates to intercompany transactions, which are eliminated during the PSEG consolidation process in accordance with GAAP.

#### PSE&G

The financial statements for PSE&G include transactions with related parties presented as follows:

<b><u>Related Party Transactions</u></b>	<b>Years Ended December 31,</b>		
	<b>2022</b>	<b>2021</b>	<b>2020</b>
	Millions		
Billings from Affiliates:			
Net Billings from PSEG Power (A)	\$ 1,388	\$ 1,144	\$ 1,207
Administrative Billings from Services (B)	445	394	337
<b>Total Billings from Affiliates</b>	<b>\$ 1,833</b>	<b>\$ 1,538</b>	<b>\$ 1,544</b>

<b><u>Related Party Transactions</u></b>	<b>Years Ended December 31,</b>	
	<b>2022</b>	<b>2021</b>
	Millions	
Payable to PSEG Power (A)	\$ 313	\$ 244
Payable to Services (B)	98	111
Payable to PSEG (C)	74	63
<b>Accounts Payable—Affiliated Companies</b>	<b>\$ 485</b>	<b>\$ 418</b>
<b>Working Capital Advances to Services (D)</b>	<b>\$ 33</b>	<b>\$ 33</b>
<b>Long-Term Accrued Taxes Payable</b>	<b>\$ 9</b>	<b>\$ 6</b>

- (A) PSE&G has entered into a requirements contract with PSEG Power under which PSEG Power provides the gas supply services needed to meet PSE&G's BGSS and other contractual requirements. As of June 1, 2022, PSEG Power had no contracts to supply energy, capacity and ancillary services to PSE&G through the BGS auction process. In addition, PSEG Power sells ZECs to PSE&G from its nuclear units under the ZEC program as approved by the BPU. The rates in the BGS and BGSS contracts and for the ZEC sales are prescribed by the BPU. BGS and BGSS sales are billed and settled on a monthly basis. ZEC sales are billed on a monthly basis and settled annually following completion of each energy year. In addition, PSEG Power and PSE&G provide certain technical services for each other generally at cost in compliance with FERC and BPU affiliate rules.
- (B) Services provides and bills administrative services to PSE&G at cost. In addition, PSE&G has other payables to Services, including amounts related to certain common costs, which Services pays on behalf of PSE&G.
- (C) PSEG pays all payroll taxes and receives reimbursement from its affiliated companies for their respective portions. In addition, PSEG files a consolidated federal income tax return with its affiliated companies. A tax allocation agreement exists between PSEG and each of its affiliated companies. The general operation of these agreements is that the subsidiary company will compute its taxable income on a stand-alone basis. If the result is a net tax liability, such amount shall be paid to PSEG. If there are NOLs and/or tax credits, the subsidiary shall receive payment for the tax savings from PSEG to the extent that PSEG is able to utilize those benefits.
- (D) PSE&G has advanced working capital to Services. The amount is included in Other Noncurrent Assets on PSE&G's Consolidated Balance Sheets.

## **ITEM 9. CHANGES IN AND DISAGREEMENTS WITH ACCOUNTANTS ON ACCOUNTING AND FINANCIAL DISCLOSURE**

None.

### **ITEM 9A. CONTROLS AND PROCEDURES**

#### **Disclosure Controls and Procedures**

##### **PSEG and PSE&G**

We have established and maintain disclosure controls and procedures as defined under Rule 13a-15(e) and 15d-15(e) promulgated under the Securities Exchange Act of 1934, as amended (the “Exchange Act”) that are designed to provide reasonable assurance that information required to be disclosed in the reports that are filed or submitted under the Exchange Act is recorded, processed, summarized and reported and is accumulated and communicated to the Chief Executive Officer (CEO) and Chief Financial Officer (CFO) of each respective company, as appropriate, by others within the entities to allow timely decisions regarding required disclosure. We have established a disclosure committee which includes several key management employees and which reports directly to the CFO and CEO of each of PSEG and PSE&G. The committee monitors and evaluates the effectiveness of these disclosure controls and procedures. The CFO and CEO of each of PSEG and PSE&G have evaluated the effectiveness of the disclosure controls and procedures and, based on this evaluation, have concluded that disclosure controls and procedures at each respective company were effective at a reasonable assurance level as of the end of the period covered by the report.

#### **Internal Controls**

##### **PSEG and PSE&G**

We have conducted assessments of our internal control over financial reporting as of December 31, 2022, as required by Section 404 of the Sarbanes-Oxley Act, using the framework promulgated by the Committee of Sponsoring Organizations of the Treadway Commission, commonly referred to as “COSO.” Managements’ reports on PSEG’s and PSE&G’s internal control over financial reporting are included on pages 152 and 153, respectively. The Independent Registered Public Accounting Firm’s report with respect to the effectiveness of PSEG’s internal control over financial reporting is included on page 154. Management has concluded that internal control over financial reporting is effective as of December 31, 2022.

We continually review our disclosure controls and procedures and make changes, as necessary, to ensure the quality of our financial reporting. There have been no changes in internal control over financial reporting that occurred during the fourth quarter of 2022 that have materially affected, or are reasonably likely to materially affect, each registrant’s internal control over financial reporting.

### **ITEM 9B. OTHER INFORMATION**

None.

### **ITEM 9C. DISCLOSURE REGARDING FOREIGN JURISDICTIONS THAT PREVENT INSPECTIONS**

Not applicable.

## MANAGEMENT REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING—PSEG

Management of Public Service Enterprise Group Incorporated (PSEG) is responsible for establishing and maintaining effective internal control over financial reporting and for the assessment of the effectiveness of internal control over financial reporting. As defined by the SEC in Rules 13a-15(f) and 15d-15(f) under the Securities Exchange Act of 1934, internal control over financial reporting is a process designed by, or under the supervision of, the company's principal executive and principal financial officers, or persons performing similar functions, and implemented by the company's management and other personnel, with oversight by the Audit Committee of the Board of Directors to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with accounting principles generally accepted in the United States of America (generally accepted accounting principles).

PSEG's internal control over financial reporting includes those policies and procedures that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of PSEG's assets; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of PSEG are being made only in accordance with authorizations of PSEG's management and directors; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use or disposition of PSEG's assets that could have a material effect on the financial statements.

In connection with the preparation of PSEG's annual financial statements, management of PSEG has undertaken an assessment, which includes the design and operational effectiveness of PSEG's internal control over financial reporting based on criteria established in the *Internal Control - Integrated Framework (2013)* issued by the Committee of Sponsoring Organizations of the Treadway Commission, commonly referred to as "COSO". The COSO framework is based upon five integrated components of control: control environment, risk assessment, control activities, information and communications and ongoing monitoring.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projection of any evaluation of effectiveness to future periods is subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

Based on the assessment performed, management has concluded that PSEG's internal control over financial reporting is effective and provides reasonable assurance regarding the reliability of PSEG's financial reporting and the preparation of its financial statements as of December 31, 2022 in accordance with generally accepted accounting principles. Further, management has not identified any material weaknesses in internal control over financial reporting as of December 31, 2022.

PSEG's external auditors, Deloitte & Touche LLP, have audited PSEG's financial statements for the year ended December 31, 2022 included in this annual report on Form 10-K and, as part of that audit, have issued a report on the effectiveness of PSEG's internal control over financial reporting, a copy of which is included in this annual report on Form 10-K.

/s/ RALPH A. LAROSSA

Chief Executive Officer

/s/ DANIEL J. CREGG

Chief Financial Officer

February 21, 2023

## MANAGEMENT REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING—PSE&G

Management of Public Service Electric and Gas Company (PSE&G) is responsible for establishing and maintaining effective internal control over financial reporting and for the assessment of the effectiveness of internal control over financial reporting. As defined by the SEC in Rules 13a-15(f) and 15d-15(f) under the Securities Exchange Act of 1934, internal control over financial reporting is a process designed by, or under the supervision of, the company's principal executive and principal financial officers, or persons performing similar functions, and implemented by the company's management and other personnel, with oversight by the Audit Committee of the Board of Directors of its parent, Public Service Enterprise Group Incorporated, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with accounting principles generally accepted in the United States of America (generally accepted accounting principles).

PSE&G's internal control over financial reporting includes those policies and procedures that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of PSE&G's assets; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of PSE&G are being made only in accordance with authorizations of PSE&G's management and directors; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use or disposition of PSE&G's assets that could have a material effect on the financial statements.

In connection with the preparation of PSE&G's annual financial statements, management of PSE&G has undertaken an assessment, which includes the design and operational effectiveness of PSE&G's internal control over financial reporting based on criteria established in the *Internal Control - Integrated Framework (2013)* issued by the Committee of Sponsoring Organizations of the Treadway Commission, commonly referred to as "COSO". The COSO framework is based upon five integrated components of control: control environment, risk assessment, control activities, information and communications and ongoing monitoring.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projection of any evaluation of effectiveness to future periods is subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

Based on the assessment performed, management has concluded that PSE&G's internal control over financial reporting is effective and provides reasonable assurance regarding the reliability of PSE&G's financial reporting and the preparation of its financial statements as of December 31, 2022 in accordance with generally accepted accounting principles. Further, management has not identified any material weaknesses in internal control over financial reporting as of December 31, 2022.

/s/ RALPH A. LAROSSA  
Chief Executive Officer

/s/ DANIEL J. CREGG  
Chief Financial Officer  
February 21, 2023

## REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Board of Directors and Stockholders of  
Public Service Enterprise Group Incorporated

### Opinion on Internal Control over Financial Reporting

We have audited the internal control over financial reporting of Public Service Enterprise Group Incorporated and subsidiaries (the “Company” or “PSEG”) as of December 31, 2022, based on criteria established in *Internal Control — Integrated Framework (2013)* issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO). In our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of December 31, 2022, based on criteria established in *Internal Control — Integrated Framework (2013)* issued by COSO.

We have also audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (PCAOB), the consolidated financial statements and the consolidated financial statement schedule listed in the Index at Item 15(B)(a) as of and for the year ended December 31, 2022 of the Company and our report dated February 21, 2023 expressed an unqualified opinion on those financial statements.

### Basis for Opinion

The Company’s management is responsible for maintaining effective internal control over financial reporting and for its assessment of the effectiveness of internal control over financial reporting, included in the accompanying Management Report on Internal Control Over Financial Reporting - PSEG. Our responsibility is to express an opinion on the Company’s internal control over financial reporting based on our audit. We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audit in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether effective internal control over financial reporting was maintained in all material respects. Our audit included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, testing and evaluating the design and operating effectiveness of internal control based on the assessed risk, and performing such other procedures as we considered necessary in the circumstances. We believe that our audit provides a reasonable basis for our opinion.

### Definition and Limitations of Internal Control over Financial Reporting

A company’s internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company’s internal control over financial reporting includes those policies and procedures that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company’s assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

/s/ DELOITTE & TOUCHE LLP  
Morristown, New Jersey  
February 21, 2023



## PART III

### ITEM 10. DIRECTORS, EXECUTIVE OFFICERS AND CORPORATE GOVERNANCE

#### Executive Officers

##### PSEG

The information required by Item 10 of Form 10-K with respect to executive officers is set forth in Part I. Information About Our Executive Officers (PSEG).

##### PSE&G

Omitted pursuant to conditions set forth in General Instruction I of Form 10-K.

#### Directors

##### PSEG

The information required by Item 10 of Form 10-K with respect to (i) present directors of PSEG who are nominees for election as directors at PSEG's 2023 Annual Meeting of Stockholders, (ii) the director nomination process, and (iii) the composition of the Audit Committee of the Board, is set forth under the headings "Nominees For Director-Biographical Information," "Overview of Board Nominees-Board Refreshment and Tenure," and "-Board Membership Selection," and "Corporate Governance-Board Committees," respectively, in PSEG's definitive Proxy Statement for such Annual Meeting of Stockholders, which definitive Proxy Statement is expected to be filed with the U.S. Securities and Exchange Commission (SEC) on or about March 9, 2023 and which information set forth under said heading is incorporated herein by this reference thereto.

##### PSE&G

Omitted pursuant to conditions set forth in General Instruction I of Form 10-K.

#### Standards of Conduct

Our Standards of Conduct (Standards) is a code of ethics applicable to us and our subsidiaries. The Standards are an integral part of our business conduct compliance program and embody our commitment to conduct operations in accordance with the highest legal and ethical standards. The Standards apply to all of our directors and employees (including PSE&G's, PSEG Power's, Energy Holdings' and Services' respective principal executive officer, principal financial officer, principal accounting officer or Controller and persons performing similar functions). Each such person is responsible for understanding and complying with the Standards. The Standards are posted on our website, <https://corporate.pseg.com/aboutpseg/leadershipandgovernance/standardsofconduct>. You can get a free copy of the Standards by making an oral or written request directed to:

Vice President, Investor Relations  
PSEG Services Corporation  
80 Park Plaza, 4th Floor  
Newark, NJ 07102  
Telephone (973) 430-6565

The Standards establish a set of common expectations for behavior to which each employee must adhere in dealings with investors, customers, fellow employees, competitors, vendors, government officials, the media and all others who may associate their words and actions with us. The Standards have been developed to provide reasonable assurance that, in conducting our business, employees behave ethically and in accordance with the law and do not take advantage of investors, regulators or customers through manipulation, abuse of confidential information or misrepresentation of material facts.

We will post on our website, <https://corporate.pseg.com/aboutpseg/leadershipandgovernance/standardsofconduct>:

- Any amendment (other than one that is technical, administrative or non-substantive) that we adopt to our Standards; and
- Any grant by us of a waiver from the Standards that applies to any director or executive officer and that relates to any element enumerated by the SEC.

In 2022, we did not grant any waivers to the Standards.

## **ITEM 11. EXECUTIVE COMPENSATION**

### **PSEG**

The information required by Item 11 of Form 10-K is set forth in PSEG's definitive Proxy Statement for the 2023 Annual Meeting of Stockholders which definitive Proxy Statement is expected to be filed with the SEC on or about March 9, 2023 and such information that is responsive to this Item 11, except for information set forth under the heading "Pay Versus Performance," is incorporated herein by this reference thereto.

### **PSE&G**

Omitted pursuant to conditions set forth in General Instruction I of Form 10-K.

## **ITEM 12. SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT AND RELATED STOCKHOLDER MATTERS**

### **PSEG**

The information required by Item 12 of Form 10-K with respect to directors, executive officers and certain beneficial owners is set forth under the heading "Security Ownership of Directors, Management and Certain Beneficial Owners" in PSEG's definitive Proxy Statement for the 2023 Annual Meeting of Stockholders which definitive Proxy Statement is expected to be filed with the SEC on or about March 9, 2023 and such information set forth under such heading is incorporated herein by this reference thereto.

For information relating to securities authorized for issuance under equity compensation plans, see Item 5. Market for Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities.

### **PSE&G**

Omitted pursuant to conditions set forth in General Instruction I of Form 10-K.

## **ITEM 13. CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS, AND DIRECTOR INDEPENDENCE**

### **PSEG**

The information required by Item 13 of Form 10-K is set forth under the heading "Corporate Governance-Certain Relationships and Related Person Transactions" in PSEG's definitive Proxy Statement for the 2023 Annual Meeting of Stockholders which definitive Proxy Statement is expected to be filed with the SEC on or about March 9, 2023 and such information set forth under such heading is incorporated herein by this reference thereto.

### **PSE&G**

Omitted pursuant to conditions set forth in General Instruction I of Form 10-K.

## **ITEM 14. PRINCIPAL ACCOUNTANT FEES AND SERVICES**

The information required by Item 14 of Form 10-K is set forth under the heading "Oversight of the Independent Auditor-Fees Billed by Deloitte for 2022 and 2021" in PSEG's definitive Proxy Statement for the 2023 Annual Meeting of Stockholders which definitive Proxy Statement is expected to be filed with the SEC on or about March 9, 2023. Such information set forth under such heading is incorporated herein by this reference hereto.

## PART IV

### ITEM 15. EXHIBITS, FINANCIAL STATEMENT SCHEDULES

(A) The following Financial Statements are filed as a part of this report:

- a. Public Service Enterprise Group Incorporated's Consolidated Balance Sheets as of December 31, 2022 and 2021 and the related Consolidated Statements of Operations, Comprehensive Income, Cash Flows and Stockholders' Equity for the three years ended December 31, 2022 on pages 60 through 65.
- b. Public Service Electric and Gas Company's Consolidated Balance Sheets as of December 31, 2022 and 2021 and the related Consolidated Statements of Operations, Comprehensive Income, Cash Flows and Common Stockholder's Equity for the three years ended December 31, 2022 on pages 66 through 71.

(B) The following documents are filed as a part of this report:

- a. PSEG's Financial Statement Schedules:  
Schedule II—Valuation and Qualifying Accounts for each of the three years in the period ended December 31, 2022 (page 162).
- b. PSE&G's Financial Statement Schedules:  
Schedule II—Valuation and Qualifying Accounts for each of the three years in the period ended December 31, 2022 (page 162).

Schedules other than those listed above are omitted for the reason that they are not required or are not applicable, or the required information is shown in the consolidated financial statements or notes thereto.

(C) The following documents are filed as part of this report:

#### LIST OF EXHIBITS:

- a. **PSEG:**
  - [3a](#) [Certificate of Incorporation Public Service Enterprise Group Incorporated](#)<sup>(1)</sup>
  - [3b](#) [Certificate of Amendment of Certificate of Incorporation of Public Service Enterprise Group Incorporated, effective April 23, 1987](#)<sup>(2)</sup>
  - [3c](#) [Certificate of Amendment of Certificate of Incorporation of Public Service Enterprise Group Incorporated, effective April 20, 2007](#)<sup>(3)</sup>
  - [3d](#) [By-Laws of Public Service Enterprise Group Incorporated effective February 14, 2023](#)<sup>(4)</sup>
  - [4a](#) [Indenture between Public Service Enterprise Group Incorporated and First Union National Bank \(U.S. Bank National Association, successor\), as Trustee, dated January 1, 1998 providing for Deferrable Interest Subordinated Debentures in Series \(relating to Quarterly Preferred Securities\)](#)<sup>(5)</sup>
  - [4b](#) [Indenture between Public Service Enterprise Group Incorporated and U.S. Bank National Association \(as successor to First Union National Bank\), as Trustee, dated November 1, 1998 providing for Senior Debt Securities](#)<sup>(6)</sup>
  - [4c](#) [Description of Common Stock](#)<sup>(7)</sup>
  - [10a\(1\)](#) [Supplemental Executive Retirement Income Plan, amended effective July 1, 2019](#)<sup>(8)</sup>
  - [10a\(2\)](#) [Retirement Income Reinstatement Plan for Non-Represented Employees, Amended effective July 1, 2019](#)<sup>(9)</sup>
  - [10a\(3\)](#) [2007 Equity Compensation Plan for Outside Directors, amended and restated effective November 19, 2019](#)<sup>(10)</sup>
  - [10a\(4\)](#) [Deferred Compensation Plan for Directors, amended effective January 1, 2019](#)<sup>(11)</sup>
  - [10a\(5\)](#) [Deferred Compensation Plan for Certain Employees, amended and restated effective January 1, 2019](#)<sup>(12)</sup>
  - [10a\(6\)](#) [Management Incentive Compensation Plan](#)

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**LIST OF EXHIBITS:**

<a href="#">10a(7)</a>	<a href="#">Key Executive Severance Plan of Public Service Enterprise Group Incorporated, amended effective July 18, 2022</a> <sup>(13)</sup>
<a href="#">10a(8)</a>	<a href="#">Agreement with Ralph Izzo dated April 18, 2022</a> <sup>(14)</sup>
<a href="#">10a(9)</a>	<a href="#">Stock Plan for Outside Directors, as amended</a> <sup>(15)</sup>
<a href="#">10a(10)</a>	<a href="#">Compensation Plan for Outside Directors</a> <sup>(16)</sup>
<a href="#">10a(11)</a>	<a href="#">2004 Long-Term Incentive Plan, amended and restated as of April 16, 2013</a> <sup>(17)</sup>
<a href="#">10a(12)</a>	<a href="#">Form of Agreement for Advancement of Expenses with Outside Directors</a> <sup>(18)</sup>
<a href="#">10a(13)</a>	<a href="#">Equity Deferral Plan, amended effective October 19, 2022</a> <sup>(19)</sup>
<a href="#">10a(14)</a>	<a href="#">Agreement with Tamara L. Linde dated June 18, 2014</a> <sup>(20)</sup>
<a href="#">10a(15)</a>	<a href="#">Agreement with Daniel J. Cregg dated September 22, 2015</a> <sup>(21)</sup>
<a href="#">10a(16)</a>	<a href="#">Clawback Practice, effective February 20, 2018</a> <sup>(22)</sup>
<a href="#">10a(17)</a>	<a href="#">Agreement with Ralph A. LaRossa dated April 18, 2022</a> <sup>(23)</sup>
<a href="#">10a(18)</a>	<a href="#">2021 Long-Term Incentive Plan, effective April 20, 2021</a> <sup>(24)</sup>
<a href="#">10a(19)</a>	<a href="#">2021 Equity Compensation Plan for Outside Directors, effective April 20, 2021</a> <sup>(25)</sup>
<a href="#">10a(20)</a>	<a href="#">Agreement with Kim C. Hanemann dated May 21, 2021</a> <sup>(26)</sup>
<a href="#">10a(21)</a>	<a href="#">Agreement with Eric Carr dated July 15, 2019</a>
<a href="#">21</a>	<a href="#">Subsidiaries of the Registrant</a>
<a href="#">23</a>	<a href="#">Consent of Independent Registered Public Accounting Firm</a>
<a href="#">31</a>	<a href="#">Certification by Ralph A. LaRossa, pursuant to Rules 13a-14 and 15d-14 of the Securities Exchange Act of 1934 (1934 Act)</a>
<a href="#">31a</a>	<a href="#">Certification by Daniel J. Cregg, pursuant to Rules 13a-14 and 15d-14 of the 1934 Act</a>
<a href="#">32</a>	<a href="#">Certification by Ralph A. LaRossa, pursuant to Section 1350 of Chapter 63 of Title 18 of the U.S. Code</a>
<a href="#">32a</a>	<a href="#">Certification by Daniel J. Cregg, pursuant to Section 1350 of Chapter 63 of Title 18 of the U.S. Code</a>
101.INS	Inline XBRL Instance Document - The instance document does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document.
101.SCH	Inline XBRL Taxonomy Extension Schema
101.CAL	Inline XBRL Taxonomy Calculation Linkbase
101.LAB	Inline XBRL Taxonomy Extension Labels Linkbase
101.PRE	Inline XBRL Taxonomy Extension Presentation Linkbase
101.DEF	Inline XBRL Taxonomy Extension Definition Document
104	Cover Page Interactive Data File (formatted as Inline XBRL and contained in Exhibit 101)
<b>b.</b>	<b>PSE&amp;G</b>
<a href="#">3a(1)</a>	<a href="#">Restated Certificate of Incorporation of PSE&amp;G</a> <sup>(27)</sup>
<a href="#">3a(2)</a>	<a href="#">Certificate of Amendment of Certificate of Restated Certificate of Incorporation of PSE&amp;G filed February 18, 1987 with the State of New Jersey adopting limitations of liability provisions in accordance with an amendment to New Jersey Business Corporation Act</a> <sup>(28)</sup>
<a href="#">3a(3)</a>	<a href="#">Certificate of Amendment of Restated Certificate of Incorporation of PSE&amp;G filed June 17, 1992 with the State of New Jersey, establishing the 7.44% Cumulative Preferred Stock (\$100 Par) as a series of Preferred Stock</a> <sup>(29)</sup>
<a href="#">3a(4)</a>	<a href="#">Certificate of Amendment of Restated Certificate of Incorporation of PSE&amp;G filed March 11, 1993 with the State of New Jersey, establishing the 5.97% Cumulative Preferred Stock (\$100 Par) as a series of Preferred Stock</a> <sup>(30)</sup>
<a href="#">3a(5)</a>	<a href="#">Certificate of Amendment of Restated Certificate of Incorporation of PSE&amp;G filed January 27, 1994 with the State of New Jersey, establishing the 6.92% Cumulative Preferred Stock (\$100 Par) and the 6.75% Cumulative Preferred Stock (\$25 Par) as a series of Preferred Stock</a> <sup>(31)</sup>
<a href="#">3b(1)</a>	<a href="#">By-Laws of PSE&amp;G as in effect April 17, 2007</a> <sup>(32)</sup>
4a(1)	Indenture between PSE&G and Fidelity Union Trust Company (now, Wachovia Bank, National Association), as Trustee, dated August 1, 1924 <sup>(33)</sup> , securing First and Refunding Mortgage Bond and Supplemental Indentures between PSE&G and U.S. Bank National Association, successor, as Trustee, supplemental to Exhibit 4a(1), dated as follows:
4a(2)	June 1, 1937 <sup>(34)</sup>

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**LIST OF EXHIBITS:**

4a(3)	<a href="#">July 1, 1937<sup>(35)</sup></a>
4a(4)	<a href="#">June 1, 1991 (No. 1)<sup>(36)</sup></a>
4a(5)	<a href="#">August 1, 2004 (No. 4)<sup>(37)</sup></a>
4a(6)	<a href="#">April 1, 2007<sup>(38)</sup></a>
4a(7)	<a href="#">November 1, 2009<sup>(39)</sup></a>
4a(8)	<a href="#">May 1, 2012<sup>(40)</sup></a>
4a(9)	<a href="#">May 1, 2013<sup>(41)</sup></a>
4a(10)	<a href="#">August 1, 2014<sup>(42)</sup></a>
4a(11)	<a href="#">May 1, 2015<sup>(43)</sup></a>
4a(12)	<a href="#">September 1, 2016<sup>(44)</sup></a>
4a(13)	<a href="#">April 1, 2018<sup>(45)</sup></a>
4a(14)	<a href="#">December 1, 2019<sup>(46)</sup></a>
4a(15)	<a href="#">March 1, 2022<sup>(47)</sup></a>
4b	<a href="#">Description of the First and Refunding Mortgage Bonds<sup>(48)</sup></a>
4c	<a href="#">Indenture of Trust between PSE&amp;G and Chase Manhattan Bank (National Association) (The Bank of New York Mellon, successor), as Trustee, providing for Secured Medium-Term Notes dated July 1, 1993<sup>(49)</sup></a>
4d	<a href="#">Indenture dated as of December 1, 2000 between Public Service Electric and Gas Company and First Union National Bank (U.S. Bank National Association, successor), as Trustee, providing for Senior Debt Securities<sup>(50)</sup></a>
10a(1)	<a href="#">Supplemental Executive Retirement Income Plan, amended effective July 1, 2019<sup>(8)</sup></a>
10a(2)	<a href="#">Retirement Income Reinstatement Plan for Non-Represented Employees, Amended effective July 1, 2019<sup>(9)</sup></a>
10a(3)	<a href="#">2007 Equity Compensation Plan for Outside Directors, amended and restated effective November 19, 2019<sup>(10)</sup></a>
10a(4)	<a href="#">Deferred Compensation Plan for Directors, amended effective January 1, 2019<sup>(11)</sup></a>
10a(5)	<a href="#">Deferred Compensation Plan for Certain Employees, amended and restated effective January 1, 2019<sup>(12)</sup></a>
10a(6)	<a href="#">Management Incentive Compensation Plan</a>
10a(7)	<a href="#">Key Executive Severance Plan of Public Service Enterprise Group Incorporated, amended effective July 18, 2022<sup>(13)</sup></a>
10a(8)	<a href="#">Agreement with Ralph Izzo dated April 18, 2022<sup>(14)</sup></a>
10a(9)	<a href="#">Stock Plan for Outside Directors, as amended<sup>(15)</sup></a>
10a(10)	<a href="#">Compensation Plan for Outside Directors<sup>(16)</sup></a>
10a(11)	<a href="#">2004 Long-Term Incentive Plan, amended and restated as of April 16, 2013<sup>(17)</sup></a>
10a(12)	<a href="#">Form of Agreement for Advancement of Expenses with Outside Directors<sup>(51)</sup></a>
10a(13)	<a href="#">Equity Deferral Plan, amended effective October 19, 2022<sup>(12)</sup></a>
10a(14)	<a href="#">Agreement with Tamara L. Linde dated June 18, 2014<sup>(20)</sup></a>
10a(15)	<a href="#">Agreement with Daniel J. Cregg dated September 22, 2015<sup>(21)</sup></a>
10a(16)	<a href="#">Clawback Practice, effective February 20, 2018<sup>(22)</sup></a>
10a(18)	<a href="#">2021 Long-Term Incentive Plan, effective April 20, 2021<sup>(24)</sup></a>
10a(19)	<a href="#">2021 Equity Compensation Plan for Outside Directors, effective April 20, 2021<sup>(25)</sup></a>
10a(20)	<a href="#">Agreement with Kim C. Hanemann dated May 21, 2021<sup>(26)</sup></a>
10a(21)	<a href="#">Agreement with Ralph A. LaRossa dated April 18, 2022<sup>(23)</sup></a>
23a	<a href="#">Consent of Independent Registered Public Accounting Firm</a>
31b	<a href="#">Certification by Ralph A. LaRossa, pursuant to Rules 13a-14 and 15d-14 of the 1934 Act</a>
31c	<a href="#">Certification by Daniel J. Cregg, pursuant to Rules 13a-14 and 15d-14 of the 1934 Act</a>
32b	<a href="#">Certification by Ralph A. LaRossa, pursuant to Section 1350 of Chapter 63 of Title 18 of the U.S. Code</a>
32c	<a href="#">Certification by Daniel J. Cregg, pursuant to Section 1350 of Chapter 63 of Title 18 of the U.S. Code</a>

**LIST OF EXHIBITS:**

101.INS	Inline XBRL Instance Document - The instance document does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document
101.SCH	Inline XBRL Taxonomy Extension Schema
101.CAL	Inline XBRL Taxonomy Calculation Linkbase
101.LAB	Inline XBRL Taxonomy Extension Labels Linkbase
101.PRE	Inline XBRL Taxonomy Extension Presentation Linkbase
101.DEF	Inline XBRL Taxonomy Extension Definition Document
104	Cover Page Interactive Data File (formatted as Inline XBRL and contained in Exhibit 101)

- (1) Filed as Exhibit 3.1a with Quarterly Report on Form 10-Q for the quarter ended March 31, 2007, File No. 001-09120, on May 4, 2007 and incorporated herein by this reference.
- (2) Filed as Exhibit 3.1b with Quarterly Report on Form 10-Q for the quarter ended March 31, 2007, File No. 001-09120, on May 4, 2007 and incorporated herein by this reference.
- (3) Filed as Exhibit 3.1c with Quarterly Report on Form 10-Q for the quarter ended March 31, 2007, File No. 001-09120, on May 4, 2007 and incorporated herein by this reference.
- (4) Filed as Exhibit 3.1 with Current Report on Form 8-K, File No. 001-09120, on February 17, 2023 and incorporated herein by this reference.
- (5) Filed as Exhibit 4(f) with Quarterly Report on Form 10-Q for the quarter ended March 31, 1998, File No. 001-09120, on May 13, 1998 and incorporated herein by this reference.
- (6) Filed as Exhibit 4(f) with Annual Report on Form 10-K for the year ended December 31, 1998, File No. 001-09120, on February 23, 1999 and incorporated herein by this reference
- (7) Filed as Exhibit 4c for PSEG with Annual Report on Form 10-K for the year ended December 31, 2019. File No. 001-09120, on February 26, 2020 and incorporated herein by this reference.
- (8) Filed as Exhibit 10.1 with Quarterly Report on Form 10-Q for the quarter ended September 30, 2019, File No. 001-09120, on October 31, 2019 and incorporated herein by this reference.
- (9) Filed as Exhibit 10.2 with Quarterly Report on Form 10-Q for the quarter ended September 30, 2019, File No. 001-09120, on October 31, 2019 and incorporated herein by this reference.
- (10) Filed as Exhibit 10a(3) with Annual Report on Form 10-K for the year ended December 31, 2020, File No. 001-09120, on March 1, 2021 and incorporated herein by this reference.
- (11) Filed as Exhibit 10a(4) with Annual Report on Form 10-K for the year ended December 31, 2018, File No. 001-09120 on February 27, 2019 and incorporated herein by this reference.
- (12) Filed as Exhibit 10a(5) with Annual Report on Form 10-K for the year ended December 31, 2018, File No. 001-09120 on February 27, 2019 and incorporated herein by this reference.
- (13) Filed as Exhibit 10.1 with Current Report on Form 8-K, File No. 001-09120, on July 22, 2022 and incorporated herein by this reference.
- (14) Filed as Exhibit 10.1 with Current Report on Form 8-K, File No. 001-09120, on April 19, 2022 and incorporated herein by this reference.
- (15) Filed as Exhibit 10a(17) with Annual Report on Form 10-K for the year ended December 31, 2002, File No. 001-09120, on February 26, 2003 and incorporated herein by this reference.
- (16) Filed as Exhibit 10a(20) with Annual Report on Form 10-K for the year ended December 31, 2002, File No. 001-09120, on February 26, 2003 and incorporated herein by this reference.
- (17) Filed as Exhibit 10 with Quarterly Report on Form 10-Q for the quarter ended March 31, 2013, File No. 001-09120, on May 1, 2013 and incorporated herein by this reference.
- (18) Filed as Exhibit 10.1 with Current Report on Form 8-K, File No. 001-09120, on February 19, 2009 and incorporated herein by this reference.
- (19) Filed as Exhibit 10 with Quarterly Report on Form 10-Q for the quarter ended September 30, 2022, File No. 001-09120, on October 31, 2022 and incorporated herein by this reference.
- (20) Filed as Exhibit 10a with Annual Report on Form 10-K for the year ended December 31, 2014, File No. 001-09120, on February 26, 2015, and incorporated herein by this reference.
- (21) Filed as Exhibit 10 with Quarterly Report on Form 10-Q for the quarter ended September 30, 2015, File No. 001-09120, on October 30, 2015, and incorporated herein by this reference.
- (22) Filed as Exhibit 10a(20) with Annual Report on Form 10-K for the year ended December 31, 2017, File No. 001-09120 on February 26, 2018 and incorporated herein by this reference.
- (23) Filed as Exhibit 10.2 with Current Report on Form 8-K, File No. 001-09120, on April 19, 2022 and incorporated herein by this reference.

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- (24) Filed as Exhibit 99.1 with Current Report on Form 8-K, File No. 001-09120, on April 22, 2021 and incorporated herein by this reference.
- (25) Filed as Exhibit 4.6 to Registration Statement on Form S-8, File No. 001-09120, on April 23, 2021 and incorporated herein by this reference.
- (26) Filed as Exhibit 10(4) with Quarterly Report on Form 10-Q for the quarter ended June 30, 2021, File No. 001-09120, on August 9, 2021 and incorporated herein by this reference.
- (27) Filed as Exhibit 3a(1) on Form 8-A, File No. 001-00973, on February 4, 1994 and incorporated herein by this reference.
- (28) Filed as Exhibit 3a(2) on Form 8-A, File No. 001-00973, on February 4, 1994 and incorporated herein by this reference.
- (29) Filed as Exhibit 3a(3) on Form 8-A, File No. 001-00973, on February 4, 1994 and incorporated herein by this reference.
- (30) Filed as Exhibit 3a(4) on Form 8-A, File No. 001-00973, on February 4, 1994 and incorporated herein by this reference.
- (31) Filed as Exhibit 3a(5) on Form 8-A, File No. 001-00973, on February 4, 1994 and incorporated herein by this reference.
- (32) Filed as Exhibit 3.3 with Quarterly Report on Form 10-Q for the quarter ended March 31, 2007, File No. 001-00973, on May 4, 2007 and incorporated herein by this reference.
- (33) Filed as Exhibit 4b(1) with Annual Report on Form 10-K for the year ended December 31, 1980, File No. 001-00973, on February 18, 1981 and incorporated herein by this reference.
- (34) Filed as Exhibit 4b(3) with Annual Report on Form 10-K for the year ended December 31, 1980, File No. 001-00973, on February 18, 1981 and incorporated herein by this reference.
- (35) Filed as Exhibit 4b(4) with Annual Report on Form 10-K for the year ended December 31, 1980, File No. 001-00973, on February 18, 1981 and incorporated herein by this reference.
- (36) Filed as Exhibit 4(i) on Form 8-A, File No. 001-00973, on June 1, 1991 and incorporated herein by this reference.
- (37) Filed as Exhibit 4a(28) with Annual Report on Form 10-K for the year ended December 31, 2004, File No. 001-00973, on March 1, 2005 and incorporated herein by this reference.
- (38) Filed as Exhibit 4a(28) with Annual Report on Form 10-K for the year ended December 31, 2007, File No. 001-00973, on February 28, 2008 and incorporated herein by this reference.
- (39) Filed as Exhibit 4a(30) with Annual Report on Form 10-K for the year ended December 31, 2009, File No. 001-00973, on February 25, 2010 and incorporated herein by this reference.
- (40) Filed as Exhibit 4a(32) with Annual Report on Form 10-K for the year ended December 31, 2012, File No. 001-00973, on February 26, 2013, and incorporated herein by this reference.
- (41) Filed as Exhibit 4 with Quarterly Report on Form 10-Q for the quarter ended June 30, 2013, File No. 001-00973, on July 30, 2013, and incorporated herein by this reference.
- (42) Filed as Exhibit 4a(22) with Quarterly Report on Form 10-Q for the quarter ended September 30, 2014, File No. 001-09120, on October 30, 2014 and incorporated herein by this reference.
- (43) Filed as Exhibit 4a(23) with Quarterly Report on Form 10-Q for the quarter ended June 30, 2015, File No. 001-09120, on July 31, 2015 and incorporated herein by this reference.
- (44) Filed as Exhibit 4a(14) with Annual Report on Form 10-K for the year ended December 31, 2016, File No. 001-00973, on February 27, 2017 and incorporated herein by this reference.
- (45) Filed as Exhibit 4a(15) with Quarterly Report on Form 10-Q for the quarter ended March 31, 2018, File No. 001-00973, on April 30, 2018 and incorporated herein by this reference.
- (46) Filed as Exhibit 4a(15) with Annual Report on Form 10-K for the year ended December 31, 2019, File No. 001-09120, on February 26, 2020 and incorporated herein by this reference.
- (47) Filed as Exhibit 4a(15) with Quarterly Report on Form 10-Q for the quarter ended March 31, 2022, File No. 001-09120, on May 3, 2022 and incorporated herein by reference.
- (48) Filed as Exhibit 4b with Annual Report on Form 10-K for the year ended December 31, 2019, File No. 001-09120, on February 26, 2020 and incorporated herein by the reference.
- (49) Filed as Exhibit 4 with Current Report on Form 8-K, File No. 001-00973, on December 1, 1993 and incorporated herein by this reference.
- (50) Filed as Exhibit 4-6 to Registration Statement on Form S-3, File No. 333-76020, filed on December 27, 2001 and incorporated herein by this reference.
- (51) Filed as Exhibit 10.2 with Current Report on Form 8-K, File No. 001-00973, on February 19, 2009 and incorporated herein by this reference.

Schedule II—Valuation and Qualifying Accounts Years Ended December 31, 2022—December 31, 2020

PUBLIC SERVICE ENTERPRISE GROUP INCORPORATED

Column A	Column B	Column C Additions		Column D	Column E
Description	Balance at Beginning of Period	Charged to cost and expenses	Charged to other accounts-describe	Deductions-describe	Balance at End of Period
Millions					
<b>2022</b>					
Allowance for Credit Losses	\$ 337	\$ 114 (A)	\$ —	\$ 112 (B)	\$ 339
Materials and Supplies Valuation Reserve	12	1	—	3 (C)	10
<b>2021</b>					
Allowance for Credit Losses	\$ 206	\$ 195 (A)	\$ —	\$ 64 (B)	\$ 337
Materials and Supplies Valuation Reserve	10	3	—	1 (C)	12
<b>2020</b>					
Allowance for Credit Losses	\$ 68 (D)	\$ 175 (A)	\$ —	\$ 37 (B)	\$ 206
Materials and Supplies Valuation Reserve	11	1	—	2 (C)	10

A) For a discussion of bad debt recoveries, see Item 8. Note 1. Organization, Basis of Presentation and Significant Accounting Policies.

B) Accounts Receivable written off.

C) Reserve reduced to appropriate level as a result of asset dispositions and to remove obsolete inventory.

D) Includes \$8 million due to the adoption of ASU 2016-13.

PUBLIC SERVICE ELECTRIC AND GAS COMPANY

Column A	Column B	Column C Additions		Column D	Column E
Description	Balance at Beginning of Period	Charged to cost and expenses	Charged to other accounts-describe	Deductions-describe	Balance at End of Period
Millions					
<b>2022</b>					
Allowance for Credit Losses	\$ 337	\$ 114 (A)	\$ —	\$ 112 (B)	\$ 339
Materials and Supplies Valuation Reserve	3	1	—	—	4
<b>2021</b>					
Allowance for Credit Losses	\$ 206	\$ 195 (A)	\$ —	\$ 64 (B)	\$ 337
Materials and Supplies Valuation Reserve	2	2	—	1 (C)	3
<b>2020</b>					
Allowance for Credit Losses	\$ 68 (D)	\$ 175 (A)	\$ —	\$ 37 (B)	\$ 206
Materials and Supplies Valuation Reserve	2	—	—	—	2

A) For a discussion of bad debt recoveries, see Item 8. Note 1. Organization, Basis of Presentation and Significant Accounting Policies.

B) Accounts Receivable written off.

C) Reserve reduced to appropriate level and to remove obsolete inventory.

D) Includes \$8 million due to the adoption of ASU 2016-13.



## SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized. The signature of the undersigned company shall be deemed to relate only to matters having reference to such company and any subsidiaries thereof.

### PUBLIC SERVICE ENTERPRISE GROUP INCORPORATED

By: /s/ RALPH A. LAROSSA

**Ralph A. LaRossa**  
**Chair of the Board, President and**  
**Chief Executive Officer**

Date: February 21, 2023

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated. The signatures of the undersigned shall be deemed to relate only to matters having reference to such company and any subsidiaries thereof.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ RALPH A. LAROSSA</u> <b>Ralph A. LaRossa</b>	Chair of the Board, President, Chief Executive Officer and Director (Principal Executive Officer)	February 21, 2023
<u>/s/ DANIEL J. CREGG</u> <b>Daniel J. Cregg</b>	Executive Vice President and Chief Financial Officer (Principal Financial Officer)	February 21, 2023
<u>/s/ ROSE M. CHERNICK</u> <b>Rose M. Chernick</b>	Vice President and Controller (Principal Accounting Officer)	February 21, 2023
<u>/s/ WILLIE A. DEESE</u> <b>Willie A. Deese</b>	Director	February 21, 2023
<u>/s/ JAMIE M. GENTOSO</u> <b>Jamie M. Gentoso</b>	Director	February 21, 2023
<u>/s/ DAVID LILLEY</u> <b>David Lilley</b>	Director	February 21, 2023
<u>/s/ BARRY H. OSTROWSKY</u> <b>Barry H. Ostrowsky</b>	Director	February 21, 2023
<u>/s/ VALERIE A. SMITH</u> <b>Valerie A. Smith</b>	Director	February 21, 2023
<u>/s/ SCOTT G. STEPHENSON</u> <b>Scott G. Stephenson</b>	Director	February 21, 2023
<u>/s/ LAURA A. SUGG</u> <b>Laura A. Sugg</b>	Director	February 21, 2023
<u>/s/ JOHN P. SURMA</u> <b>John P. Surma</b>	Director	February 21, 2023
<u>/s/ SUSAN TOMASKY</u> <b>Susan Tomasky</b>	Director	February 21, 2023
<u>/s/ ALFRED W. ZOLLAR</u> <b>Alfred W. Zollar</b>	Director	February 21, 2023

## SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized. The signature of the undersigned company shall be deemed to relate only to matters having reference to such company and any subsidiaries thereof.

### PUBLIC SERVICE ELECTRIC AND GAS COMPANY

By: /s/ KIM C. HANEMANN

**Kim C. Hanemann**

**President**

Date: February 21, 2023

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated. The signatures of the undersigned shall be deemed to relate only to matters having reference to such company and any subsidiaries thereof.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ RALPH A. LAROSSA</u> <b>Ralph A. LaRossa</b>	Chair of the Board and Chief Executive Officer and Director (Principal Executive Officer)	February 21, 2023
<u>/s/ DANIEL J. CREGG</u> <b>Daniel J. Cregg</b>	Executive Vice President and Chief Financial Officer (Principal Financial Officer)	February 21, 2023
<u>/s/ ROSE M. CHERNICK</u> <b>Rose M. Chernick</b>	Vice President and Controller (Principal Accounting Officer)	February 21, 2023
<u>/s/ DAVID LILLEY</u> <b>David Lilley</b>	Director	February 21, 2023
<u>/s/ SUSAN TOMASKY</u> <b>Susan Tomasky</b>	Director	February 21, 2023
<u>/s/ ALFRED W. ZOLLAR</u> <b>Alfred W. Zollar</b>	Director	February 21, 2023

**PUBLIC SERVICE ENTERPRISE GROUP INCORPORATED**  
**MANAGEMENT INCENTIVE COMPENSATION PLAN**

Amended April 20, 2022 and effective as of January 1, 2022

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**PUBLIC SERVICE ENTERPRISE GROUP INCORPORATED  
MANAGEMENT INCENTIVE COMPENSATION PLAN**

I. PURPOSE

The purposes of this Plan are to foster attainment of the financial and operating objectives of the Company and its Participating Affiliates, which are important to customers and stockholders by providing incentive to certain key officers and executive-level employees who contribute to attainment of these objectives. This Plan is designed to provide for awards to selected salaried employees in executive and other important positions, who, individually or as members of a group, contribute in a substantial degree to the success of the Company and its Participating Affiliates, and who are in the position to have a direct and significant impact on the growth and success of the Company and its Participating Affiliates, thus affording to them a means of participating in that success and an incentive to contribute further to that success. This Plan also serves to supplement the Company's and Participating Affiliates' salary and benefit programs so as to provide overall compensation for such executive-level employee that is competitive with corporation with which the Company and its Participating Affiliates must compete for executive talent and to assist the Company and its Participating Affiliates in attracting and retaining executives who are important to their continued success.

This Plan was amended effective November 18, 2015 to clarify the method of determining the Final Incentive Award for a Participant who during a Plan Year transfers from one Subsidiary/Business Unit/Practice Area to another Subsidiary/Business Unit/Practice Area, and for an Employee who participates in both this Plan and the Public Service Enterprise Group Incorporated Senior Management Incentive Compensation Plan.

The Plan was amended effective January 1, 2016 to make administrative clarifications.

The Plan is being amended April 20, 2022 and effective January 1, 2022 to provide that certain former participants in the Senior Management Incentive Compensation Plan are eligible to participate in this Plan effective as of January 1, 2022, and for administrative clarifications.

## II. DEFINITIONS

The following words and phrases shall have the meanings set forth below:

- (a) “Administrative Regulations” shall mean the procedures and regulations established by the Committee pursuant to Section III hereof for the purpose of administering the Plan.
- (b) “Affiliate” shall mean any organization which is a member of a controlled group of corporations (as defined in Code section 414(b), as modified by Code section 415(h)) which includes the Company; or any trades or business (whether or not incorporated) which are under common control (as defined in Code section 414(c), as modified by Code section 415(h)) with the Company; or a member of an affiliated service group (as defined by Code section 414(m)) which includes the Company pursuant to the regulations under Code section 414(o).
- (c) “Award” shall mean the amount determined by the Committee pursuant to Section VII hereof.
- (d) “Award Fund” shall mean the aggregate amount made available in any Plan Year pursuant to Section V hereof from which awards determined under Section VII hereof may be made.
- (e) “Cash Balance Plan” shall mean the Cash Balance Plan of Public Service Enterprise Group Incorporated.

- (f) “CEO” shall mean the Chief Executive Officer of the Company. If the Board of Directors has not designated a Chief Executive Officer, “CEO” shall mean the President of the Company.
- (g) “Code” shall mean the Internal Revenue Code of 1986, as amended, or as it may be amended from time to time.
- (h) “Committee” shall mean the Organization and Compensation Committee of the Board of Directors of the Company, the membership on which shall be limited to directors of the Company who are not Employees.
- (i) “Company” shall mean Public Service Enterprise Group Incorporated, a New Jersey corporation, or any successor thereto.
- (j) “Disability” for purpose of this Plan, a Participant shall be deemed to have terminated employment on account of “Disability” if such Participant qualifies for a disability pension under the Pension Plan or Cash Balance Plan.
- (k) “Employee” shall mean any person not included in a unit of employees covered by a collective bargaining agreement who is an employee (such term having its customary meaning) of the Company or a Participating Affiliate, whether full-time or part-time, and whether or not an officer or director, and who is receiving remuneration for personal services rendered to the Company or Participating Affiliate other than (i) solely as a director of the Company or a Participating Affiliate, (ii) as a temporary employee, (iii) as a consultant, or (iv) as an independent contractor (regardless of whether a determination is made by the Internal Revenue Service or other governmental agency or court after the individual is engaged to perform such services that the individual is an employee of the Company or Participating Affiliate for the purposes of the Code or otherwise).

- (l) “Lay Off” shall mean an involuntary termination of employment, other than for cause.
- (m) “Participant” shall mean an Employee who has been designated by the Committee to participate in the Plan pursuant to Section IV and V thereof.
- (n) “Participating Affiliate” shall mean any Affiliate of the Company that adopts this Plan with the approval of the Board of Directors of the Company. As a condition to participating in this Plan, such Affiliate shall authorize the Board of Directors of the Company and the Committee to act for it in all matters arising under or with respect to this Plan and shall comply with such other terms and conditions as may be imposed by the Board of Directors of the Company.
- (o) “Pension Plan” shall mean the Pension Plan of the Public Service Enterprise Group Incorporated.
- (p) “Plan” shall mean the Public Service Enterprise Group Incorporated Management Incentive Compensation Plan, as it may be amended from time to time.
- (q) “Plan Year” shall mean the calendar year.
- (r) “Retirement” shall mean the voluntary termination of employment under circumstances entitling the Participant to an immediately payable periodic retirement benefit under the Pension Plan or Cash Balance Plan. Retirement shall not include termination of service with a right to a deferred pension under the Pension Plan or a deferred retirement benefit or early commencement of a Participant’s cash balance account under the Cash Balance Plan.
- (s) “Subsidiary” shall mean any corporation, limited liability company or other entity, domestic or foreign (other than the Company), 50% or more of the total voting power of which is held by the Company and/or a Subsidiary or Subsidiaries.



- (t) “Target Incentive Awards” shall mean the amounts determined by the Committee pursuant to Section V thereof.

### III. ADMINISTRATION

- (a) The Committee shall administer the Plan. Subject to the provisions of the Plan, the Committee shall have the full and final authority to select Participants, to designate Target Incentive Awards for each Participant and to determine the performance objectives and the amount of all Awards under this Plan. The Committee shall also have, subject to the provisions of the Plan, full and final authority to interpret the Plan, to establish and revise such administrative regulations as it deems necessary for the proper administration of the Plan and to make any other determinations that it believes necessary or advisable for the administration of the Plan. The Committee may delegate such responsibilities, other than final approval of Awards or appeals of alleged adverse determinations under the Plan, to the CEO or to any other officer of the Company or any Participating Affiliate.
- (b) All decisions and determinations by the Committee shall be final and binding on all parties, including stockholders, Participants, legal representatives and other Employees.
- (c) The Committee may rely conclusively on the determinations made by the Company’s independent public accountants.

### IV. ELIGIBILITY

- (a) Those Employees who are key officers or executive-level Employees of the Company, a Subsidiary or an Affiliate who, in the opinion of the Committee, are in a position to have a direct and significant impact on achieving the Company’s long-term objectives are eligible to participate in the Plan.

- (b) The Committee may select such Employee of the Company or Participating Affiliate (individual or by position) for participation in the Plan upon such terms as it deems appropriate, due to the Employee's responsibilities in his/her opportunity to contribute substantially to the attainment of financial and operating objectives of the Company or Participating Affiliate. A determination of participation for a Plan Year shall be made no later than the beginning of that Plan Year; provided, however, that newly hired Employees may be added and an Employee whose duties and responsibilities change significantly during a Plan Year may be added or deleted as a Participant if appropriate to reflect any such change in duties and responsibilities during a Plan Year.
- (c) Any Employee who participates in both this Plan and the Public Service Enterprise Group Incorporated Performance Incentive Plan, the Employee's Award under this Plan shall be prorated for the portion of the Plan Year in which they participates in this Plan.
- (d) Beginning for the 2022 Plan Year, employees who were participants in the Senior Management Incentive Plan Compensation as of December 31, 2021 will become participants in the this Plan, except those participants who received a payout of a 2022 pro-rated Senior Management Incentive Compensation Plan award.
- (e) Participation in the Plan in one Plan Year shall not guarantee or require participation in another Plan Year.
- (f) The Committee shall have sole discretion as to whether to suspend operation of the Plan for any period of time.

#### V. TARGET INCENTIVE AWARDS

- (a) For each Plan Year, the Committee shall determine:

- (i) Whether or not the Plan shall be in operation for such Plan Year.
- (ii) The names or positions of those Employees who will participate in the Plan for such Plan Year.
- (iii) The Target Incentive Award for each Participant, expressed as a percentage of the Participant's rate of base salary in effect as of the last day of the Plan Year to which such Target Incentive Award relates.

(b) At any time after the commencement of a Plan Year, but prior to the close hereof, the Committee may, in its discretion, eliminate or add Participants or increase or decrease the Target Incentive Award of any Participant based upon such criteria as it shall deem appropriate.

#### VI. PERFORMANCE GOALS

For each Plan Year, the performance goals of each Participant shall be approved within 90 days of the beginning of the Plan Year (or, for Participants joining the Plan during a Plan Year, within 90 days of participation), by the CEO or such of his/her direct reports who is the Participant's manager. These performance goals shall be performance measures or objectives, whether quantitative or qualitative, which must be achieved in order to earn an Award under this Plan. The CEO or such direct report shall approve the specific targets for any such selected performance goals. These targets may be set at a specific level or may be expressed as relative to the comparable measure at comparison companies or to a defined index. Such performance goals shall include a corporate goal or goals related to the performance of the Company and may include (i) an employer goal or goals related to the performance of a Subsidiary or organizational business unit, and (ii) an individual goal or goals related to the individual performance of the Participant in his/her position.

The CEO shall determine the substance and weighting of each goal of a Participant who is his/her direct report. The CEO may determine the substance and weighting of each of the goals of other Participants or may delegate the determination of the substance and weighting of these goals to such of his/her direct reports with respect to such person's relevant business units and direct reports.

Notwithstanding the foregoing, however, for any Plan Year, the Committee or the CEO may, as deemed to be appropriate, elect to adjust the applicable weightings of the corporate goal(s), the business unit goal(s) and the individual goal(s) as part of the criteria for determining Awards for any Participant or group of Participants in the Plan.

#### VII. DETERMINATION OF FINAL INCENTIVE AWARDS

A Participant's Final Incentive Award will be determined as follows:

- (a) All such determinations, except in the case of the award for the CEO which shall be reviewed and recommended for approval by the O&CC and approved by the Board of Directors, shall be made after considering the recommendations of the chief executive officer and such other matters as the Committee shall deem relevant. In making such determinations, the Committee may, in addition to achievement of short-term business objectives, take into account achievement by key executives of long-term goals of the Company.
- (b) Within 60 days of the end of the Plan Year, the CEO or his/her appropriate direct report shall certify, subject to confirmation by the Committee, the achievement of the corporate goal(s), the several business unit goal(s) and the several individual goal(s) for the Plan Year.

- (c) The result of such certifications shall be the Corporate Factor, the Business Unit Financial Factor, the Business Unit Scorecard Factor and the Individual Performance Factor, respectively.
- (d) The respective portions (corporate, business unit financial, business unit scorecard and individual) of each Participant's Target Incentive amount shall then be multiplied by the Corporate Factor, the Business Unit Financial Factor, the Business Unit Scorecard Factor and the Strategic Factor to determine the Participant's Incentive Award. For example, assume (i) Target Incentive Amount of 40%, (ii) Corporate Goal weighting of 40%, (iii) a Corporate Factor of 1.15, (iv) Business Unit Financial Goal weighting of 20%, (v) a Business Unit Financial Factor of 1.25, (vi) Business Unit Scorecard Goal weighting of 30%, (vii) Business Unit Scorecard Factor of 0.75, (viii) a Strategic Goal weighting of 10% and (ix) a Strategic Factor of 1.1:
1. Corporate Portion =  $1.15 \times .40 = 0.46$
  2. Financial Portion =  $1.25 \times .20 = 0.25$
  3. Scorecard Portion =  $0.75 \times .30 = 0.23$
  4. Strategic Portion =  $1.10 \times .10 = 0.11$
- Overall Goal Result =  $0.46 + 0.25 + 0.23 + 0.11 = 1.05$
- INCENTIVE AWARD = Overall Goal Result x Target Incentive x Salary  $1.05 \times 40\% \times \text{Salary}$
- (e) Notwithstanding anything contained in this Plan to the contrary, unless the CEO shall specifically so determine and the Committee affirm, a Participant's Final

Incentive Award shall not exceed 2.0 times such Participant's Target Incentive Amount for the Plan Year to which it relates.

- (f) Unless otherwise determined by the Committee or the CEO, the applicable factors to be applied in determining a Participant's Final Incentive Award shall be that of the Subsidiary/Business Unit/Practice Area of which the Participant was a member in the last day of (or, for terminated Participants eligible for Awards, on the last day of employment in) the Plan Year to which the Award relates. Notwithstanding anything in the Plan to the contrary, if, during the Plan Year, the Participant transfers to a different Subsidiary/ Business Unit/ Practice Area, such Participant's Final Incentive Award shall be the sum of (i) the applicable factors of the Subsidiary/ Business Unit/ Practice Area that the Participant was in at the beginning of the Plan Year multiplied the applicable number of months, and (ii) the applicable factor of the Subsidiary/ Business Unit/ Practice Area that the Participant was in at the end of the Plan Year multiplied the applicable number of months.
- (g) Unless otherwise determined by the CEO, to the extent that the Target Incentive Amount applicable to any Participant is changed during a Plan Year (e.g., downgrade of incumbent position, change in position, promotion to a new position), such Participant's Final Incentive Award shall be prorated on the basis of the Participant's service in his/her respective positions.
- (h) Also notwithstanding anything contained in this Plan to the contrary, the Committee or CEO may adjust a Participant's Final Incentive Award based upon any criteria it/he/she may determine to be reasonable.

### VIII. DISTRIBUTION

- (a) All distributions of a Participant's Final Incentive Award shall be made as of a distribution date which shall be no later than the 15th day of the third month following the close of the Plan Year to which such award relates.
- (b) All distributions shall be in one lump sum in money.

### IX. TERMINATION OF EMPLOYMENT

- (a) If the employment of a Participant is terminated on account of the Participant's death, Disability, Lay-Off or Retirement, and if the Committee determines that such Awards under this Plan may be earned for the Plan Year of termination, such Participant's Awards shall be prorated for that part of the Plan Year in which the Participant was participating prior to such termination and the Company shall pay such prorated Award as soon as practicable after determination of the Final Incentive Awards in accordance with Section VII, unless otherwise determined by the Committee; provided, however, that any Participant who has received a benefit under the Key Executive Severance Plan of Public Service Enterprise Group Incorporated shall not be entitled to a prorated payment provided under this subsection.
- (b) If, prior to the payment of any Award under this Plan, the employment of a Participant is terminated for any reason other than death, disability, Lay-Off or Retirement, the Participant shall forfeit the right to payment of such Award, unless otherwise determined by the Committee.

- (c) If a Participant becomes a Participant during the Plan Year, any Award under this Plan to the Participant may be appropriately prorated from the time the Participant entered the Plan to the end of the Plan Year as determined by the CEO.
- (d) In the case of a Participant's death, any payment under this Plan shall be made to the Participant's estate. Such payment shall be made as a lump sum as soon as practicable after the determination of the Final Incentive Award in accordance with Section VII.

#### X. LIMITATIONS

Neither the action of the Company in establishing the Plan, nor action taken by it or by the Committee under the provisions hereof, nor any provision of the Plan, shall be construed as giving any Employee the right to be retained in the employ of the Company, its Subsidiaries or its Affiliates.

The Company may offset against any payments to be made to the Participant or his/her beneficiary under this Plan any amounts owing to the Company, its Subsidiaries or its Affiliates from the Participant for any reason.

The invalidity or unenforceability of any provision of this Plan shall in no way affect the validity or enforceability of any other provision hereof.

#### XI. LIMITATION OF ACTIONS

Every asserted right of action by or on behalf of the Company or by or on behalf of the stockholder against any past, present or future member of the Committee or director, officer or Employee of the Company of any Subsidiary or Affiliate thereof, arising out of or in connection with this Plan, shall, irrespective of where such right of action may arise or be asserted and



irrespective of the place of residence of any such member director, officer or Employee, cease and be barred upon the expiration of three years (i) from the date of the alleged act or omission in respect of which such right of action arises or (ii) from the date upon which the Company's Annual Report to Stockholders setting forth the aggregate amount of the awards to all or any part of which such action may relate is made generally available to stockholders, whichever date is earlier; and every asserted right of action by or on behalf of the any Employee, past, present or future, or any beneficiary, spouse, child or legal representative thereof, against the Company or any Subsidiary or Affiliate thereof, arising out of or in connection with this Plan, shall, irrespective of the place where such right of action may arise or be asserted, cease and be barred by the expiration of three years from the date of the alleged act or omission in respect of which such right of action arises.

#### XII. CLAIMS PROCEDURE

In the case of any Participant (whether active, retired or terminated) or beneficiary whose claim for an award under this Plan has been denied, the Company shall provide adequate notice in writing of such adverse determination setting forth the specific reasons for such denial in a manner calculated to be understood by the recipient thereof. Such Participant or beneficiary shall be afforded a reasonable opportunity for a full and fair review of the decision denying the claim by the Committee.

#### XIII. PLAN AMENDMENT, SUSPENSION OR TERMINATION

The Board of Directors may discontinue the Plan shall at any time and may, from to time, amend or revise the terms of the Plan as permitted under applicable statutes; provided, however,

that no such discontinuance, amendment or revision shall materially adversely affect any right or obligation with respect to any award theretofore made. The Plan will continue in operation until discontinued as herein provided.

#### XIV. OTHER COMPENSATION PLANS

The adoption of this Plan shall not affect any other incentive compensation plan, equity compensation plan or any other compensation plan in effect for the Company or any Affiliate, nor shall the Plan preclude the Company or any Affiliate from establishing any other form of incentive compensation plan, equity compensation option plan or any other compensation plan.

#### XV. MISCELLANEOUS

(a) The costs and expense of administering the Plan shall be borne by the Company and its Affiliates and shall not be charged against any Award or to any Participant receiving an Award.

(b) To the extent not preempted by Federal law, this Plan and actions taken in connection herewith shall be governed and construed in accordance with the State of New Jersey without reference to the Conflict of Laws principles.

(c) The captions and section numbers appearing in this Plan are inserted only as a matter of convenience. They do not define, limit or describe the scope or the intent of the provisions of the Plan. In this Plan, words in the singular number include the plural and in the plural include the singular; and words of the masculine gender include the feminine and the neuter, and when the sense so indicated, words of the neuter gender may refer to any gender.

The invalidity or unenforceability of any provision hereof shall in no affect the validity or enforceability of any other provision.

(d) Every direction, revocation or notice authorized or required by the Plan shall be deemed delivered to the Company (a) on the date that it is personally delivered to its principal executive offices to the attention of the Compensation Manager of PSEG Services Corporation or (b) three business days after it is sent by registered or certified mail, postage prepaid, addressed to the Company (attn: Compensation Manager of PSEG Services Corporation) at such offices; and shall be delivered to a Participant (a) on the date it is personally delivered to him or her, or (b) three business days after it is sent by registered or certified mail, postage prepaid, addressed to him or her at the last address shown for him or her on the records of the Company.

(e) Except as otherwise provided herein, this Plan shall insure to the benefit of and be binding upon the Company, its successors and assigns, including but not limited to any corporation which may acquire all or substantially all of the Company's assets and business or with or into which the Company may be consolidated or merged.

(f) Failure by the Company or the Committee to insist upon strict compliance with any the terms, covenants or conditions hereof shall not be deemed a waiver of any such term, covenant, or condition, nor shall any waiver or relinquishment of any right or power hereunder at any one or more times be deemed a waiver or relinquishment of any such right or power at any time or times.

(g) The Company shall have the right to deduct from any Award payment any sum required to be withheld by federal, state, or local tax law. There is no obligation hereunder that any Participant or other person be advised in advance of the existence of the tax or the amount so required to be withheld.



**Margaret M. Pego**  
Senior Vice President-Human Resources  
and Chief Human Resources Officer

**Human Resources**  
80 Park Plaza, T4, Newark, NJ 07102  
tel: 973-430-7243 fax: 973-643-6063  
email: Margaret.Pego@pseg.com



July 15, 2019

Eric Carr

Dear Eric:

I am pleased to offer you the position of President & Chief Nuclear Officer, effective July 27, 2019 in PSEG Nuclear, a subsidiary of PSEG Power LLC ("PSEG Power"). In this position, you will be paid a base annual salary of \$540,000. You shall be eligible for your next salary review in January 2020. Salary reviews will be conducted annually thereafter.

You will be eligible to participate in the PSEG Senior Management Incentive Compensation Plan ("SMICP") under the terms and conditions of that Plan. Your target incentive award will be 70% of your base salary. You may, however, be eligible to receive up to 140% of your base salary dependent upon business results. Targets and awards may be adjusted from time to time in accordance with established plan procedures. There is no guarantee of payment under the SMICP, and any such payment will be contingent upon your establishment and successful completion of goals and objectives. Your first award under the SMICP, if earned, will be contingent upon the results of established goals and objectives for 2019 and payable in 2020. Any SMICP award for 2019 will be prorated for the months beginning in August 2019 through December 2019. You will be eligible for a prorated Management Incentive Compensation Plan ("MICP") award for the period beginning in January 2019 through July 2019 at your former target (50%), salary, weightings and results.

You will continue to be a participant in the PSEG 2004 Long-Term Incentive Plan as amended ("LTIP"). Future LTIP grants will be in the form of 35% as Restricted Stock Units ("RSUs") and 65% as Performance Share Units ("PSUs"). The number and form of LTIP grants recommended in any given year will appropriately reflect your responsibilities and ability to contribute to the long-term success of PSEG and is subject to the approval of the Organization and Compensation Committee ("O&CC") of the Board. All future grants under the LTIP will be subject to the terms of the LTIP and the related grant award agreements.

You will continue to be eligible to participate in the PSEG Deferred Compensation Plan For Certain Employees and the PSEG Equity Deferral Plan. Also, you will continue to be a Schedule C participant in the Key Executive Severance Plan of Public Service Enterprise Group Incorporated, as amended from time to time.

If, at the time you terminate from employment, you are determined to be a "specified employee" as defined in Section 409A of the Internal Revenue Code of 1986, as amended ("Section 409A"), your nonqualified deferred compensation payments will be delayed for six months following your termination of employment to the extent necessary to satisfy Section 409A.

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The company will provide you with a monthly stipend in the amount of \$1,000 for the purchase or lease of a vehicle along with associated costs such as vehicle maintenance, insurance, mileage, fuel and tolls. This stipend may be amended from time to time by the company.

You will continue to be required to own and retain a level of company stock commensurate with your new position as outlined in the attached Officer Stock Ownership and Retention Policy. Please note the required minimum level of company stock ownership has increased from 1x base salary to 2x base salary with this promotion.

You will be required to complete a FERC/BPU interlock questionnaire and your position is contingent upon successful clearance of interlock requirements.

The purpose of this letter is to set forth the terms of your new position with the Company; it is not a contract of employment, nor does it guarantee your employment with the Company for any period of time. Your employment with the Company is at-will, which means that either you or the Company is free to terminate the employment relationship at any time, for any reason, with or without cause.

Additionally, enclosed is a booklet referencing the Responsibilities of Corporate Officers and Directors.

Finally, you will be required to sign the enclosed Confidentiality, Non-Competition, and Non-Solicitation Agreement, and the enclosed Arbitration Agreement.

If the foregoing is in accordance with your understanding, please sign this letter and the enclosed Agreements, and return them to me.

Sincerely,  
/s/ Margaret M. Pego  
Margaret M. Pego  
Senior Vice President - Human Resources  
and Chief Human Resources Officer

Agreed to this 16 day of July, 2019.

/s/ Eric Carr  
Eric Carr

Attachments:

1. Senior Management Incentive Compensation Plan ("SMICP") & Management Incentive Compensation Plan("MICP")
2. PSEG Deferred Compensation Plan and Equity Deferral Plan
3. Key Executive Severance Plan
4. Officer Stock Ownership & Retention Policy
5. FERC/BPU interlock questionnaire
6. Confidentiality, Non-Competition and Non-Solicitation Agreement
7. Arbitration Agreement
8. Responsibilities of Corporate Officers and Directors

**PUBLIC SERVICES ENTERPRISE GROUP INCORPORATED  
SIGNIFICANT SUBSIDIARIES**

<u>Name</u>	<u>Ownership %</u>	<u>State of Incorporation</u>
Public Service Electric and Gas Company	100	New Jersey
PSEG Power LLC	100	Delaware
PSEG Nuclear LLC	100	Delaware
PSEG Energy Resources & Trade LLC	100	Delaware

The remaining subsidiaries of Public Service Enterprise Group Incorporated are not significant as defined in Regulation S-X.

**CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

We consent to the incorporation by reference in Registration Statement No. 333-250825 on Form S-3 and Registration Statement Nos. 333-255490, 333-202594, 333-202591, 333-120100, 333-106330, 333-193126, 333-66426, 333-39738 and 333-193127 on Form S-8 of our reports dated February 21, 2023, relating to the financial statements of Public Service Enterprise Group Incorporated and subsidiaries (the “Company”) and the effectiveness of the Company’s internal control over financial reporting appearing in this Annual Report on Form 10-K of Public Service Enterprise Group Incorporated for the year ended December 31, 2022.

/s/ Deloitte & Touche LLP  
Morristown, New Jersey  
February 21, 2023



**CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

We consent to the incorporation by reference in Registration Statement No. 333-250829 on Form S-3 of our report dated February 21, 2023, relating to the financial statements of Public Service Electric and Gas Company and subsidiaries appearing in this Annual Report on Form 10-K of Public Service Electric and Gas Company for the year ended December 31, 2022.

/s/ Deloitte & Touche LLP

Morristown, New Jersey  
February 21, 2023

**Certification Pursuant to Rules 13a-14 and 15d-14  
of the 1934 Securities Exchange Act**

I, Ralph A. LaRossa, certify that:

1. I have reviewed this Annual Report on Form 10-K of Public Service Enterprise Group Incorporated;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
  - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: February 21, 2023

/s/ Ralph A. LaRossa

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**Ralph A. LaRossa**  
Public Service Enterprise Group Incorporated  
Chief Executive Officer

**Certification Pursuant to Rules 13a-14 and 15d-14  
of the 1934 Securities Exchange Act**

I, Daniel J. Cregg, certify that:

1. I have reviewed this Annual Report on Form 10-K of Public Service Enterprise Group Incorporated;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
  - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: February 21, 2023

/s/ Daniel J. Cregg

**Daniel J. Cregg**

Public Service Enterprise Group Incorporated  
Chief Financial Officer

**Certification Pursuant to Rules 13a-14 and 15d-14  
of the 1934 Securities Exchange Act**

I, Ralph A. LaRossa, certify that:

1. I have reviewed this Annual Report on Form 10-K of Public Service Electric and Gas Company;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
  - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: February 21, 2023

/s/ Ralph A. LaRossa

**Ralph A. LaRossa**

Public Service Electric and Gas Company  
Chief Executive Officer

**Certification Pursuant to Rules 13a-14 and 15d-14  
of the 1934 Securities Exchange Act**

I, Daniel J. Cregg, certify that:

1. I have reviewed this Annual Report on Form 10-K of Public Service Electric and Gas Company;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
  - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: February 21, 2023

/s/ Daniel J. Cregg

**Daniel J. Cregg**

Public Service Electric and Gas Company  
Chief Financial Officer

**Certification Pursuant to Section 1350 of Chapter 63 of Title 18  
of the United States Code**

I, Ralph A. LaRossa, Chief Executive Officer of Public Service Enterprise Group Incorporated, to the best of my knowledge, certify, pursuant to 18 U.S.C. section 1350, as adopted pursuant to section 906 of the Sarbanes-Oxley Act of 2002, that (i) the Annual Report of Public Service Enterprise Group Incorporated on Form 10-K for the year ended December 31, 2022 (the “Report”) fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934 and (ii) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Public Service Enterprise Group Incorporated.

/s/ Ralph A. LaRossa

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**Ralph A. LaRossa**

Public Service Enterprise Group Incorporated

Chief Executive Officer

February 21, 2023

**Certification Pursuant to Section 1350 of Chapter 63 of Title 18  
of the United States Code**

I, Daniel J. Cregg, Chief Financial Officer of Public Service Enterprise Group Incorporated, to the best of my knowledge, certify, pursuant to 18 U.S.C. section 1350, as adopted pursuant to section 906 of the Sarbanes-Oxley Act of 2002, that (i) the Annual Report of Public Service Enterprise Group Incorporated on Form 10-K for the year ended December 31, 2022 (the "Report") fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934 and (ii) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Public Service Enterprise Group Incorporated.

/s/ Daniel J. Cregg

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**Daniel J. Cregg**

Public Service Enterprise Group Incorporated

Chief Financial Officer

February 21, 2023

**Certification Pursuant to Section 1350 of Chapter 63 of Title 18  
of the United States Code**

I, Ralph A. LaRossa, Chief Executive Officer of Public Service Electric and Gas Company, to the best of my knowledge, certify, pursuant to 18 U.S.C. section 1350, as adopted pursuant to section 906 of the Sarbanes-Oxley Act of 2002, that (i) the Annual Report of Public Service Electric and Gas Company on Form 10-K for the year ended December 31, 2022 (the "Report") fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934 and (ii) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Public Service Electric and Gas Company.

/s/ Ralph A. LaRossa

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**Ralph A. LaRossa**

Public Service Electric and Gas Company

Chief Executive Officer

February 21, 2023



**Certification Pursuant to Section 1350 of Chapter 63 of Title 18  
of the United States Code**

I, Daniel J. Cregg, Chief Financial Officer of Public Service Electric and Gas Company, to the best of my knowledge, certify, pursuant to 18 U.S.C. section 1350, as adopted pursuant to section 906 of the Sarbanes-Oxley Act of 2002, that (i) the Annual Report of Public Service Electric and Gas Company on Form 10-K for the year ended December 31, 2022 (the "Report") fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934 and (ii) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Public Service Electric and Gas Company.

/s/ Daniel J. Cregg

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**Daniel J. Cregg**

Public Service Electric and Gas Company

Chief Financial Officer

February 21, 2023