Oglethorpe Power Corporation

# 2025 EEI TEMPLATE

**Oglethorpe Power has selected Edison Electric Institute's (EEI) reporting template to provide summary information on our generation portfolio in a consistent format across the electric utility sector. Our reporting template includes data on Oglethorpe Power and our related companies,[1] Smarr EMC and Green Power EMC. We intend to publish this information on an annual basis.**

**Our comprehensive 2025 Corporate Responsibility Report is available at opc.com/corporate-responsibility/.**

Oglethorpe Power is among the nation's largest power supply cooperatives and is one of the largest energy producers in Georgia. With more than $16 billion in assets, we own and operate a diverse portfolio of resources to provide reliable, affordable, safe and environmentally responsible energy to 38 consumer-owned, not-for-profit Electric Membership Cooperatives (EMCs). These cooperatives provide retail electricity to approximately 4.7 million of Georgia's more than 11 million residents.

In 2024, Oglethorpe Power supplied 69% of our member EMCs' electricity requirements. For the remainder of their energy needs, our members have power supply contracts with other suppliers and power marketers. To deliver our portion of our members' power requirements, we maintain a balanced and diverse generation portfolio, including nuclear, natural gas, pumped-storage hydro and coal resources, with a combined capacity of more than 8,500 megawatts, which will grow to more than 10,200 megawatts in 2029.

Over the years, we've strategically evolved our generation portfolio to align with Georgia's growing energy needs and support the transition to a lower-carbon future. We've acquired eight efficient and reliable natural gas-fired facilities across Georgia, and we've made significant investments in emission-free nuclear energy with the completion of the Plant Vogtle expansion project. We've also marked a substantial reduction in greenhouse gas emissions by significantly increasing our reliance on cleaner burning fuels.

Many of our member EMCs are experiencing growth across residential, commercial and industrial sectors. In 2024, our annual generation increased by 63% compared to 2005.[2] Looking ahead to 2030, we project that the energy we generate for our members will more than double from 2005 levels.[2] To meet our members' rising energy demand and increase the resiliency of our asset portfolio, we're building cutting-edge power generation resources, enhancing our existing resources and investing in new technologies. We also continue to advocate for smart energy policies that drive innovation, encourage investment across all forms of generation and support critical baseload resources that underpin a reliable energy future.

For half a century, Oglethorpe Power has delivered on our mission to generate reliable and affordable power for our member EMCs. As technology advances and the energy landscape evolves, we remain dedicated to adapting our generation fleet to meet the challenges of tomorrow while delivering the reliable power our members expect.

*[1] Smarr EMC and Green Power EMC are related companies to Oglethorpe Power. Smarr EMC is owned by 35 of our 38 members and owns two simple-cycle natural gas plants for which Oglethorpe Power provides management, operations and administrative services. Each of our 38 members is also a member-owner of Green Power EMC, a not-for-profit renewable energy cooperative that procures renewable energy resources for its members.*

*[2] Includes Smarr EMC and Green Power EMC. Output from pumped-storage hydro is excluded. 2030 projections are based on current assumptions.*

# RESOURCES

**Access our 2025 Corporate Responsibility Report online:**

opc.com/corporate-responsibility/

**Other Oglethorpe Power Resources:**

Investor Relations

– SEC Filings
– Code of Conduct
– Green Bond Framework

**Renewables:**

Green Power EMC

## Disclaimer

Data included herein is based on information available as of September 1, 2025, and is subject to change without notice should new or additional information be obtained. This material also contains forward-looking statements. Although we believe that in making these forward-looking statements our expectations are based on reasonable assumptions, any forward-looking statement involves uncertainties and there are important factors that could cause actual results to differ materially from those expressed or implied by these forward-looking statements. Actual results may vary materially. Forward-looking statements speak only as of the date they are made, and we undertake no obligation to update any forward-looking statement to reflect events or circumstances after the date on which it is made or to reflect the occurrence of unanticipated events.

# Electric Company Quantitative Information

| Ref. No. | Refer to the 'EEI Definitions' tab for more information on each metric | Baseline 2005 | 2022 | 2023 | 2024 | Future Year 2025 | Future Year 2030 | Comments, Links, Additional Information and Notes |
|---|---|---|---|---|---|---|---|---|
| | **Portfolio** | | | | | | | |
| **1.i** | **Owned Summer Generation Capacity at end of year (MW)** | **5,271** | **7,627** | **7,792** | **8,594** | **8,594** | **10,258** | Wholly-owned and co-owned (% ownership) Summer Planning Reserve Capacity (10-K filings). |
| 1.1.i | Coal | 1,556 | 1,553 | 1,030 | 1,030 | 1,030 | 1,030 | Capacity decreases in 2022 due to retirement of Plant Wansley in August 2022. |
| 1.2.i | Natural Gas | 1,792 | 4,041 | 4,394 | 4,861 | 4,861 | 6,525 | In 2022, acquisition of two simple cycle units at Washington County Power in December 2022 |
| 1.3.i | Nuclear | 1,216 | 1,216 | 1,551 | 1,886 | 1,886 | 1,886 | Capacity increases in 2025 following completion of Vogtle Units 3 and 4. |
| 1.4.i | Petroleum | 0 | 0 | 0 | 0 | 0 | 0 | Simple-cycle units with dual fuel capabilities are included only in the Natural Gas capacity. |
| 1.5.i | Total Renewable Energy Resources | 707 | 817 | 817 | 817 | 817 | 817 | |
| 1.5.1.i | Biomass | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1.5.2.i | Landfill | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1.5.3.i | Hydroelectric | 707 | 817 | 817 | 817 | 817 | 817 | Pumped storage hydroelectric energy facility. |
| 1.5.4.i | Solar | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1.5.5.i | Wind | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1.6.i | Other | 0 | 0 | 0 | 0 | 0 | 0 | |
| **1.ii** | **Related Company Summer Generation Capacity at end of year (MW)** | **722** | **1,317** | **1,489** | **1,565** | **1,550** | **1,996** | Related Companies are Smarr EMC and Green Power EMC. |
| 1.1.ii | Coal | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1.2.ii | Natural Gas | 717 | 733 | 733 | 729 | 729 | 729 | Smarr EMC. |
| 1.3.ii | Nuclear | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1.4.ii | Petroleum | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1.5.ii | Total Renewable Energy Resources | 5 | 584 | 757 | 837 | 821 | 1,268 | Green Power EMC. Excludes member direct power purchases from other |
| 1.5.1.ii | Biomass | 0 | 16 | 16 | 16 | 0 | 0 | renewable providers. |
| 1.5.2.ii | Landfill | 3 | 14 | 14 | 14 | 14 | 14 | |
| 1.5.3.ii | Hydroelectric | 2 | 2 | 2 | 2 | 2 | 2 | |
| 1.5.4.ii | Solar | 0 | 552 | 724 | 804 | 805 | 1,251 | |
| 1.5.5.ii | Wind | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1.6.ii | Other | 0 | 0 | 0 | 0 | 0 | 0 | |
| **2** | **Owned + Related Company Net Generation for the data year (MWh)** | **21,622,936** | **29,817,846** | **32,605,565** | **35,274,488** | **37,136,049** | **45,623,219** | Sum of owned, co-owned and related company generation. |
| 2.1 | Coal | 10,984,264 | 2,856,494 | 3,166,368 | 3,501,003 | 3,075,564 | 1,937,793 | |
| 2.2 | Natural Gas | 1,161,163 | 15,659,566 | 16,806,494 | 15,876,954 | 16,759,403 | 25,224,830 | |
| 2.3 | Nuclear | 9,460,303 | 10,206,060 | 11,122,301 | 14,219,693 | 15,260,113 | 15,421,736 | |
| 2.4 | Petroleum | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2.5 | Total Renewable Energy Resources | 17,206 | 1,095,726 | 1,510,402 | 1,676,838 | 2,040,968 | 3,038,859 | |
| 2.5.1 | Biomass | 0 | 114,173 | 123,979 | 12,163 | 0 | 0 | |
| 2.5.2 | Landfill | 16,624 | 70,117 | 82,658 | 84,766 | 85,349 | 32,863 | |
| 2.5.3 | Hydroelectric | 582 | 6,463 | 6,437 | 5,353 | 6,563 | 0 | |
| 2.5.4 | Solar | 0 | 904,973 | 1,297,328 | 1,574,556 | 1,949,056 | 3,005,996 | |
| 2.5.5 | Wind | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2.6 | Other | 0 | 0 | 0 | 0 | 0 | 0 | |
| **2.i** | **Owned Net Generation for the data year (MWh)** | **21,539,058** | **27,987,395** | **30,515,961** | **32,874,817** | **34,389,226** | **42,258,096** | Wholly-owned and co-owned generation. |
| 2.1.i | Coal | 10,984,264 | 2,856,494 | 3,166,368 | 3,501,003 | 3,075,564 | 1,937,793 | |
| 2.2.i | Natural Gas | 1,094,491 | 14,924,841 | 16,227,292 | 15,154,121 | 16,053,549 | 24,898,566 | Excludes two simple cycle units at Washington County Power acquired in December 2022. |
| 2.3.i | Nuclear | 9,460,303 | 10,206,060 | 11,122,301 | 14,219,693 | 15,260,113 | 15,421,736 | |
| 2.4.i | Petroleum | 0 | 0 | 0 | 0 | 0 | 0 | Four simple-cycle units are dual fuel and are included in the Natural Gas generation. |
| 2.5.i | Total Renewable Energy Resources | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2.5.1.i | Biomass | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2.5.2.i | Landfill | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2.5.3.i | Hydroelectric | 0 | 0 | 0 | 0 | 0 | 0 | Pumped storage energy is excluded, consistent with 10-K filings. |
| 2.5.4.i | Solar | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2.5.5.i | Wind | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2.6.i | Other | 0 | 0 | 0 | 0 | 0 | 0 | |

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# Electric Company Quantitative Information

| Ref. No. | Refer to the 'EEI Definitions' tab for more information on each metric | Baseline 2005 | 2022 | 2023 | 2024 | Future Year 2025 | Future Year 2030 | Comments, Links, Additional Information and Notes |
|---|---|---|---|---|---|---|---|---|
| **2.ii** | **Related Company Net Generation for the data year (MWh)** | **83,878** | **1,830,451** | **2,089,604** | **2,399,671** | **2,746,823** | **3,365,123** | Related Companies are Smarr EMC and Green Power EMC. |
| 2.1.ii | Coal | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2.2.ii | Natural Gas | 66,672 | 734,725 | 579,202 | 722,833 | 705,855 | 326,264 | Smarr EMC. |
| 2.3.ii | Nuclear | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2.4.ii | Petroleum | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2.5.ii | Total Renewable Energy Resources | 17,206 | 1,095,726 | 1,510,402 | 1,676,838 | 2,040,968 | 3,038,859 | Green Power EMC. Excludes member direct power purchases from other |
| 2.5.1.ii | Biomass | 0 | 114,173 | 123,979 | 12,163 | 0 | 0 | renewable providers. |
| 2.5.2.ii | Landfill | 16,624 | 70,117 | 82,658 | 84,766 | 85,349 | 32,863 | |
| 2.5.3.ii | Hydroelectric | 582 | 6,463 | 6,437 | 5,353 | 6,563 | 0 | |
| 2.5.4.ii | Solar | 0 | 904,973 | 1,297,328 | 1,574,556 | 1,949,056 | 3,005,996 | |
| 2.5.5.ii | Wind | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2.6.ii | Other | 0 | 0 | 0 | 0 | 0 | 0 | |
| **3** | **Capital Expenditures and Energy Efficiency (EE)** | | | | | | | |
| 3.1 | Total Annual Capital Expenditures (millions, nominal dollars) | $ 74 | $ 1,264 | $ 547 | $ 731 | $ 1,007 | $ 348 | Expenditures exclude related companies (Smarr EMC and Green Power EMC). |
| 3.2 | Incremental Annual Electricity Savings from EE Measures (MWh) | na | na | na | na | na | na | OPC is a generation cooperative and has no retail customers or EE Measures. |
| 3.3 | Incremental Annual Investment in Electric EE Programs (nominal dollars) | na | na | na | na | na | na | OPC is a generation cooperative and has no retail customers or EE Programs. |
| **4** | **Retail Electric Customer Count (at end of year)** | na | na | na | na | na | na | OPC is a generation cooperative and has no retail customers. |
| 4.1 | Commercial | | | | | | | |
| 4.2 | Industrial | | | | | | | |
| 4.3 | Residential | | | | | | | |

# Electric Company Quantitative Information

| Ref. No. | Refer to the 'EEI Definitions' tab for more information on each metric | Baseline 2005 | 2022 | 2023 | 2024 | Future Year 2025 | Future Year 2030 | Comments, Links, Additional Information and Notes |
|---|---|---|---|---|---|---|---|---|
| | **Emissions** | | | | | | | |
| **5** | **GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e)** | | | | | | | |
| **5.1** | **Owned Generation** (1) (2) (3) | | | | | | | Wholly-owned and co-owned facilities. |
| 5.1.1 | Carbon Dioxide (CO2) | | | | | | | |
| 5.1.1.1 | Total Owned Generation CO2 Emissions (MT) | 10,414,667 | 9,087,508 | 9,886,048 | 9,949,476 | 10,184,987 | 11,693,433 | |
| 5.1.1.2 | Total Owned Generation CO2 Emissions Intensity (MT/Net MWh) | 0.484 | 0.325 | 0.324 | 0.303 | 0.296 | 0.277 | |
| 5.1.2 | Carbon Dioxide Equivalent (CO2e) | | | | | | | |
| 5.1.2.1 | Total Owned Generation CO2e Emissions (MT) | 10,495,206 | 9,115,951 | 9,918,490 | 9,984,447 | na | na | |
| 5.1.2.2 | Total Owned Generation CO2e Emissions Intensity (MT/Net MWh) | 0.487 | 0.326 | 0.325 | 0.304 | na | na | |
| **5.2** | **Related Companies** (4) | | | | | | | Related Companies are Smarr EMC and Green Power EMC. |
| 5.2.1 | Carbon Dioxide (CO2) | | | | | | | (Excludes emissions from Green Power EMC renewables with capacity < 25 MW.) |
| 5.2.1.1 | Total Affiliate CO2 Emissions (MT) | 42,376 | 488,173 | 373,506 | 463,014 | 364,504 | 213,194 | |
| 5.2.1.2 | Total Affiliate Generation CO2 Emissions Intensity (MT/Net MWh) | 0.505 | 0.267 | 0.179 | 0.193 | 0.133 | 0.063 | |
| 5.2.2 | Carbon Dioxide Equivalent (CO2e) | | | | | | | |
| 5.2.2.1 | Total Affiliate Generation CO2e Emissions (MT) | 42,419 | 488,669 | 373,886 | 463,485 | na | na | |
| 5.2.2.2 | Total Affiliate Generation CO2e Emissions Intensity (MT/Net MWh) | 0.506 | 0.267 | 0.179 | 0.193 | na | na | |
| **5.3** | **Owned Generation + Related Companies Generation** | | | | | | | |
| 5.3.1 | Carbon Dioxide (CO2) | | | | | | | |
| 5.3.1.1 | Total Owned + Affiliate Generation CO2 Emissions (MT) | 10,457,044 | 9,575,681 | 10,259,554 | 10,412,490 | 10,549,491 | 11,906,627 | |
| 5.3.1.2 | Total Owned + Affiliate Generation CO2 Emissions Intensity (MT/Net MWh) | 0.484 | 0.321 | 0.315 | 0.295 | 0.284 | 0.261 | |
| 5.3.2 | Carbon Dioxide Equivalent (CO2e) | | | | | | | |
| 5.3.2.1 | Total Owned + Affiliate Generation CO2e Emissions (MT) | 10,537,626 | 9,604,620 | 10,292,377 | 10,447,932 | na | na | |
| 5.3.2.2 | Total Owned + Affiliate Generation CO2e Emissions Intensity (MT/Net MWh) | 0.487 | 0.322 | 0.316 | 0.296 | na | na | |
| **5.4** | **Non-Generation CO2e Emissions of Sulfur Hexafluoride (SF6)** (5) | na | na | na | na | na | na | Reporting is not required for OPC and related companies. |
| 5.4.1 | Total CO2e emissions of SF6 (lbs) | | | | | | | |
| 5.4.2 | Leak rate of CO2e emissions of SF6 (lbs/Net MWh) | | | | | | | |
| **6** | **Nitrogen Oxide (NOx), Sulfur Dioxide (SO2), Mercury (Hg)** | | | | | | | |
| 6.1 | Generation basis for calculation (6) | Total | | | | | | Includes all owned, co-owned and related company generation and emissions. (Excludes emissions from Green Power EMC with capacity < 25 MW.) |
| **6.2** | **Nitrogen Oxide (NOx)** | | | | | | | |
| 6.2.1 | Total NOx Emissions (MT) | 8,688 | 2,908 | 3,205 | 4,073 | 5,471 | 3,832 | |
| 6.2.2 | Total NOx Emissions Intensity (MT/Net MWh) | 0.000402 | 0.000098 | 0.000098 | 0.000115 | 0.000147 | 0.000084 | |
| **6.3** | **Sulfur Dioxide (SO2)** | | | | | | | |
| 6.3.1 | Total SO2 Emissions (MT) | 47,159 | 490 | 302 | 432 | 342 | 276 | |
| 6.3.2 | Total SO2 Emissions Intensity (MT/Net MWh) | 0.002181 | 0.000016 | 0.000009 | 0.000012 | 0.000009 | 0.000006 | |
| **6.4** | **Mercury (Hg)** | | | | | | | |
| 6.4.1 | Total Hg Emissions (kg) | 270.6 | 3.6 | 4.9 | 4.8 | 5.3 | 6.5 | |
| 6.4.2 | Total Hg Emissions Intensity (kg/Net MWh) | 0.0000125 | 0.0000001 | 0.0000002 | 0.0000001 | 0.0000001 | 0.0000001 | |

**Notes**

(1) Generation and emissions are adjusted for equity ownership share to reflect the percentage of output owned by reporting entity.
(2) CO2 and CO2e emissions intensity should be reported using total system generation (net MWh) based on EEI GHG worksheet.
(3) As reported to EPA under the mandatory GHG Reporting Protocols (40 CFR Part 98, Subparts C and D).
(4) Purchased power emissions should be calculated using the most relevant and accurate of the following methods:
For direct purchases, such as PPAs, use the direct emissions data as reported to EPA.
For market purchases where emissions are unknown, use applicable regional or national emissions rate:
- ISO/RTO-level emission factors
- Climate Registry emission factors
- E-Grid emission factors
(5) As reported to EPA under the mandatory GHG Reporting Protocols (40 CFR Part 98, Subpart DD).
(6) Indicate the generation basis for calculating SO2, NOx, and Hg emissions and intensity.
Fossil: Fossil Fuel Generation Only
Total: Total System Generation
Other: Other (please specify in comment section)

# Electric Company Quantitative Information

| Ref. No. | Refer to the 'EEI Definitions' tab for more information on each metric | Baseline 2005 | 2022 | 2023 | 2024 | Future Year 2025 | Future Year 2030 | Comments, Links, Additional Information and Notes |
|---|---|---|---|---|---|---|---|---|
| | **Resources** | | | | | | | |
| **7** | **Human Resources** | | | | | | | OPC employees, including support to related companies. |
| 7.1 | Total Number of Employees | na | 323 | 337 | 379 | na | na | |
| 7.2 | Percentage of Women in Total Workforce | na | 27% | 26% | 26% | na | na | |
| 7.3 | Percentage of Minorities in Total Workforce | na | 20% | 21% | 22% | na | na | |
| 7.4 | Total Number on Board of Directors/Trustees | na | 12 | 12 | 12 | na | na | |
| 7.5 | Percentage of Women on Board of Directors/Trustees | na | 0% | 0% | 0% | na | na | |
| 7.6 | Percentage of Minorities on Board of Directors/Trustees | na | 0% | 0% | 0% | na | na | |
| 7.6.1 | Total Number of Executive/Senior Level Officials and Managers | 5 | 7 | 7 | 7 | na | na | |
| 7.6.2 | Percentage of Women on Executive/Senior Level Officials and Managers | 40% | 57% | 57% | 57% | na | na | |
| 7.6.3 | Percentage of Minorities on Executive/Senior Level Officials and Managers | na | 14% | 14% | 14% | na | na | |
| 7.6.4 | Percentage of Military Workforce | na | 21% | 21% | 21% | na | na | |
| 7.7 | Employee Safety Metrics | | | | | | | |
| 7.7.1 | Recordable Incident Rate | 1.2 | 1.2 | 0.6 | 0.5 | na | na | |
| 7.7.2 | Lost-time Case Rate | 0.0 | 0.6 | 0.6 | 0.2 | na | na | |
| 7.7.3 | Days Away, Restricted, and Transfer (DART) Rate | 0.0 | 0.6 | 0.6 | 0.2 | na | na | |
| 7.7.4 | Work-related Fatalities | 0.0 | 0.0 | 0.0 | 0.0 | na | na | |
| **8** | **Owned Fresh Water Resources used in Thermal Power Generation Activities** | | | | | | | Wholly-owned and co-owned thermal power generation facilities . |
| 8.1 | Water Withdrawals - Consumptive (Millions of Gallons) | na | 12,853 | 10,374 | 14,289 | na | na | Co-owned facilities based on OPC's % ownership. Grey water excluded. |
| 8.2 | Water Withdrawals - Non-Consumptive (Millions of Gallons) | na | 8,005 | 8,962 | 9,898 | na | na | Co-owned facilities based on OPC's % ownership. Grey water excluded. |
| 8.3 | Water Withdrawals - Consumptive Rate (Millions of Gallons/Net MWh) | na | 0.000491 | 0.000357 | 0.000464 | na | na | |
| 8.4 | Water Withdrawals - Non-Consumptive Rate (Millions of Gallons/Net MWh) | na | 0.000306 | 0.000308 | 0.000321 | na | na | |
| **9.i** | **Owned Waste Products** | | | | | | | Wholly-owned and co-owned facilities. |
| 9.1.i | Amount of Hazardous Waste Manifested for Disposal (MT) | na | 1.13 | 0.69 | 0.00 | na | na | |
| 9.2.i | Percent of Coal Combustion Products Beneficially Used | na | 74% | 89% | 87% | na | na | Includes coal ash and excludes gypsum. |
| **9.ii** | **Owned + Smarr EMC Waste Products** | | | | | | | Owned and Smarr EMC facilities. |
| 9.1.ii | Amount of Hazardous Waste Manifested for Disposal (MT) | na | 1.13 | 2.30 | 0.00 | na | na | |
| 9.2.ii | Percent of Coal Combustion Products Beneficially Used | na | 74% | 89% | 87% | na | na | |

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