# PPL CORPORATION 2024 Sustainability Report

# About this report

This annual Sustainability Report has been prepared with reference to the Global Reporting Initiative (GRI) Standards including GRI Electric Utility Sector Supplement. We have also addressed topics identified in the Sustainability Accounting Standards Board (SASB) Electric Utilities and Power Generators and Gas Utilities and Distributors Standards, the Task Force on Climate-related Financial Disclosures, the EEI-AGA Sustainability Report and the CDP Climate and Water Questionnaires.

Our views about the company's direct and indirect impacts, risks, challenges and opportunities are presented throughout this report and in other publicly available documents. This report covers activities that occurred in calendar year 2024 and contains the best information available at time of publication. Unless otherwise noted, figures reported are through Dec. 31, 2024. Environmental, social and governance data can be challenging to measure accurately. We correct and report errors in prior-year data when found, and we continually work to improve our data measurement, gathering and reporting processes to increase the accuracy of information presented.

The report is reviewed by the Board of Director's Governance, Nominating and Sustainability Committee and the company's leadership team, including the chief executive officer. The Corporate Audit department has conducted reviews related to the compilation of this report, including in-depth reviews of specific metrics, as part of ongoing controls related to voluntary sustainability reporting. An external audit has not been conducted.

You can find more information about PPL and our sustainability performance at pplweb.com/sustainability.

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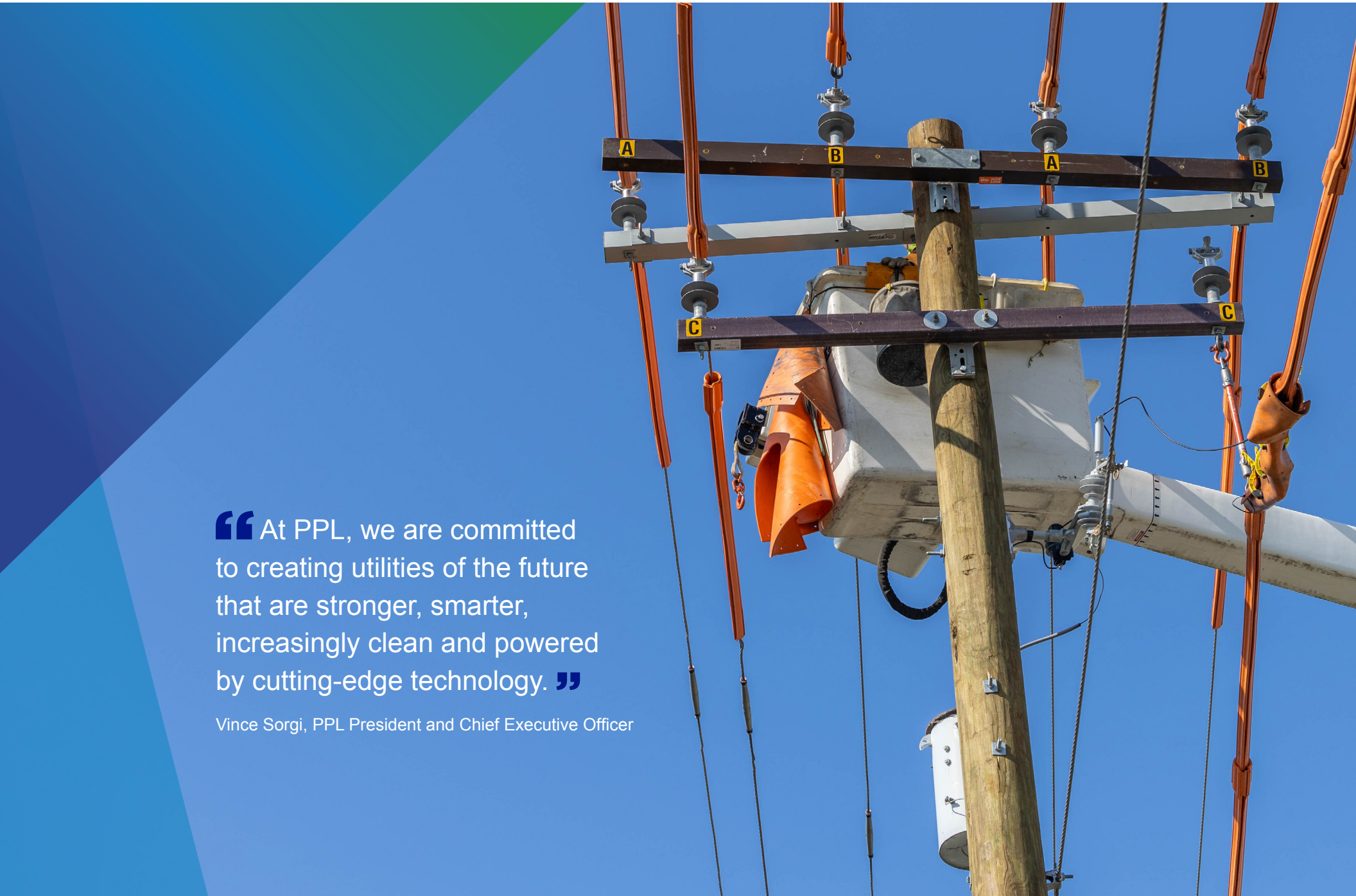
## FORWARD-LOOKING STATEMENTS IN THIS CORPORATE SUSTAINABILITY REPORT

This Corporate Sustainability Report ("Report") contains forward-looking statements regarding, among other things, our clean energy targets and achievement of climate commitments by certain dates, and strategies or goals related to environmental performance. These statements, and all others that reflect beliefs, plans, estimates, projections, goals, targets, expectations, strategy or any other forward-looking information, are "forward-looking statements" within the meaning of the federal securities laws. PPL Corporation believes that the forward-looking statements in this Report reflect reasonable expectations and assumptions. However, it is important to understand that forward-looking statements, and their underlying assumptions, are subject to a wide range of risks and uncertainties, both known and unknown.




> At PPL, we are committed to creating utilities of the future that are stronger, smarter, increasingly clean and powered by cutting-edge technology.

Vince Sorgi, PPL President and Chief Executive Officer

# Message from our President and CEO

America's energy landscape is transforming at an unprecedented pace. After years of stagnation, U.S. electricity demand is on the rise and forecast to grow in 2025 at the fastest pace in decades, driven largely by a surge in data center development.

At the same time, extreme weather poses challenges not seen for centuries. And groundbreaking technological advancements, including generative artificial intelligence (AI), offer enormous potential to transform our industry and drive increased value for our customers, communities and shareowners.

Against this backdrop, PPL is positioned to lead the transformation. We recognize that our job is as important as ever. Importantly, we understand that to help our communities grow and prosper, to meet current and future challenges, to keep energy affordable for our customers, and to drive innovation that improves lives, we must create the utilities of the future.

This is precisely our strategy at PPL. From Kentucky to Virginia to Pennsylvania to Rhode Island, our shared focus is creating utilities that are smarter, stronger, cleaner and powered by cutting-edge technology. Our $20 billion of planned infrastructure investment through 2028 fully supports this strategy.

As we execute our plans and make steady progress:

- **We're strengthening the reliability and resilience** of our electric and gas networks to protect against storms, reduce outages and recover more quickly when they happen. This includes building to tougher design standards, creating self-healing grids and deploying grid-enhancing technologies to get the most from existing network capacity.
- **We're advancing a cleaner energy future affordably and reliably.** This includes expanding and modernizing our generation with natural gas, renewables and battery storage, while supporting research and development of low-carbon solutions, including carbon capture, small modular nuclear reactors and long-duration energy storage.
- **We're driving operational efficiencies to help keep energy affordable** for the families and businesses that rely on us. This includes leveraging AI and other advanced technologies to inform decision-making, optimize asset planning and maintenance, better manage supply and demand on the grid, and deliver better outcomes for our customers.
- **We're empowering customers** through expanded digital options and improved service, and we're engaging with key stakeholders to strengthen resource adequacy, power economic development, and support the growth and success of the regions we serve.
- **Last but not least, we're developing and engaging a talented workforce** with the skills to drive innovation, succeed and thrive in a changing energy landscape.

In pursuit of our responsible business strategy and guided by strong governance, we are confident that we will continue to deliver a safe, reliable, affordable and sustainable energy future that delivers long-term value for our customers, our employees, our communities and our shareowners.

We appreciate your interest in PPL and invite you to learn more about our progress and plans in this report.

# PPL at a glance

## WHO WE ARE

PPL Corporation (NYSE: PPL), headquartered in Allentown, Pennsylvania, is a leading U.S. energy company focused on providing electricity and natural gas safely, reliably and affordably to more than 3.6 million customers in the U.S.

## WHAT WE BELIEVE

Our SPIRIT values guide our progress toward becoming the best utility in the U.S.

**Safety**
We never compromise on safety and health for our employees, contractors, customers and the public. We're committed to ensuring everyone on our properties goes home safely at the end of every day.

**Passion**
We love what we do, we bring our energy and enthusiasm to work each day, we care about each other, and we're driven to deliver long-term value for our customers and shareowners.

**Innovation**
We anticipate our customers' future needs and innovate to meet them. We're agile, creative and committed to continuous improvement.

**Responsibility**
Individually, and as teams, we're accountable for our actions and results. As a company, we're good stewards of the environment and we strengthen the communities we serve.

**Integrity**
We are transparent, ethical and fair in all we do, and we comply with legal and regulatory requirements.

**Teamwork**
We act as OnePPL, one company and one team. We leverage our collective and unique talents, knowledge and experiences to deliver better results for our customers. We value inclusion and respect.

## HOW WE MEASURE SUCCESS

As we pursue our vision to be the best utility company in the U.S., we define "the best" as combining all of the attributes directly below, and we track and measure our progress against these goals.

**Top decile in safety**

**Top quartile in customer satisfaction, reliability and cost efficiency**

**Premium stock valuation relative to peers**

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7,250 MW

**of regulated generation capacity in Kentucky**

7,700 Miles

**approximate miles of gas distribution mains**

87,000 Miles

**approximate miles of electric power lines**

3.6 Million

**utility customers in the U.S.**

74,000 GWh

**of electricity delivered**

$8.5 Billion

**in annual revenue**

6,600

**Employees**

*As of Dec. 31, 2024*

# Our companies

PPL's high-performing, award-winning utilities are addressing energy challenges head-on by building smarter, more resilient and more dynamic power grids and advancing sustainable energy solutions.

**Louisville Gas and Electric Company and Kentucky Utilities Company**

Louisville Gas and Electric Company (LG&E) and Kentucky Utilities Company (KU) provide essential energy services to more than 1.3 million customers throughout Kentucky and parts of Virginia. LG&E and KU also operate over 7,250 megawatts of power generation.

**PPL Electric Utilities Corporation**

PPL Electric Utilities Corporation (PPL Electric) provides electricity distribution and transmission services to about 1.5 million customers in Pennsylvania.

**Rhode Island Energy**

Rhode Island Energy (RIE) provides essential energy services to approximately 800,000 homes and businesses across Rhode Island through the delivery of electricity and natural gas.

# Awards and recognition

- **American Council for an Energy-Efficient Economy** ranking as Leader of the Pack (RIE)
- **CPA-Zicklin 2024 Trendsetter Award** for political disclosures and accountability (PPL)
- **Disability:IN** recognition as a best place to work for disability inclusion (PPL)
- **Edison Electric Institute's Emergency Response Awards** in recognition of recovery and assistance efforts related to extreme weather (LG&E and KU, PPL Electric and RIE)
- **Electric Vehicle Adoption Leadership – Gold-level certification** (RIE)
- **ENERGY STAR Partner of the Year – Sustained Excellence Award** (PPL Electric)
- **Escalent 2024 Customer Champions Award – Residential** for utility customer engagement (PPL Electric)
- **Fair360 Top Utility for Diversity** (PPL)
- **Forbes 2025 America's Best Companies** (PPL)
- **Fortnightly 2024 Top Innovator in Energy Transition Award** (PPL)
- J.D. Power ranked among **highest performing electric utilities for customer satisfaction** (KU)
- **Newsweek 2024 America's Greatest Workplaces** (PPL)
- **Site Selection** recognition as a Top Utility in economic development (LG&E and KU)
- **VETSIndex** recognition as 4-Star employer for military veterans (PPL)

# Performance data

## Key performance indicators in support of our sustainability efforts in 2024

| ENERGY PORTFOLIO | 2023 | 2024 |
|---|---|---|
| ***GENERATION*** | | |
| Generation capacity (MW) | 7,535 | 7,264 |
| Owned net generation (MWh) | 29,422,636 | 30,697,566 |
| Generation efficiency (MMBtu/owned net MWh) | 9.8 | 10.0 |
| ***EMISSIONS*** | | |
| Net-zero goal-related emissions ($CO_2e$) (metric tonnes) | 25,795,238 | 27,094,395 |
| Generation carbon emissions intensity (metric tonnes/owned net MWh) | 0.853 | 0.861 |
| Sulfur dioxide emissions intensity (metric tonnes/owned net MWh) | 0.00042 | 0.00051 |
| Nitrogen dioxide emissions intensity (metric tonnes/owned net MWh) | 0.00045 | 0.00045 |
| Mercury emissions (Kg) | 41 | 49 |
| ***WATER*** | | |
| Water withdrawal (megaliters/year) | 379,422 | 428,087 |
| Water intensity ($m^3$ withdrawal/owned net generation) | 12.89 | 13.95 |
| Volume of water recycled and reused (percent total) | 92.01% | 89.72% |
| ***WASTE*** | | |
| Coal combustion products beneficially used (percent total) | 71.9% | 69.7% |

| INFRASTRUCTURE | 2023 | 2024 |
|---|---|---|
| ***ELECTRICITY*** | | |
| Miles of distribution lines | 75,497 | 75,802 |
| Miles of transmission lines | 11,076 | 11,063 |
| ***NATURAL GAS*** | | |
| Miles of gas distribution mains | 7,674 | 7,686 |
| Miles of gas transmission mains | 359 | 343 |

| OPERATIONAL PERFORMANCE | | |
|---|---|---|
| ***EMPLOYEE SAFETY*** | | |
| Total hours worked | 13,058,862 | 13,176,701 |
| Number of lost-day cases | 25 | 35 |
| Lost-time incident rate | 0.38 | 0.53 |
| Recordable incident rate | 1.33 | 1.41 |
| Work-related fatalities | 0 | 0 |
| ***RELIABILTY*** | | |
| SAIDI - Average outage duration (in minutes) | 78.84 | 84.15 |
| SAIFI - Average number of interruptions | 0.67 | 0.73 |
| CAIDI – Average restoration time (in minutes) | 118.32 | 114.61 |
| Average plant availability factor | 87.71% | 85.42% |
| Unplanned outage rate | 5.15% | 4.71% |
| Equivalent forced outage rate | 1.64% | 2.04% |

| RESOURCES AND COMMUNITY | 2023 | 2024 |
|---|---|---|
| ***CUSTOMERS*** | | |
| Customer count (at end of year) | 3,618,844 | 3,642,154 |
| ***ENERGY EFFICIENCY*** | | |
| Incremental annual electricity savings from energy-efficiency measures (MWh) | 367,908 | 434,103 |
| Natural Gas Energy Efficiency Measures (MMBtu) | 318,621 | 241,413 |
| Total rebates (in millions $) | $120.77 | $128.15 |
| ***BOARD OF DIRECTORS AND WORKFORCE*** | | |
| Female representation, Board of Directors (percentage) | 40% | 40% |
| Ethnically and racially diverse representation, Board of Directors (percentage) | 30% | 30% |
| Female representation, executives/senior managers (percentage) | 36% | 38% |
| Ethnically and racially diverse representation, executive/senior managers (percentage) | 17% | 14% |
| Total workforce | 6,629 | 6,653 |
| Female representation, workforce (percentage) | 26% | 26% |
| Ethnically and racially diverse representation, workforce (percentage) | 13% | 13% |
| ***SUPPLY CHAIN*** | | |
| Total spent on diverse businesses (in millions $) | $398 | $399 |
| Number of diverse businesses | 231 | 193 |
| ***COMMUNITY SUPPORT*** | | |
| Total charitable giving in communities served, including Foundation donations (in millions $) | $13.6 | $14.2 |
| Total volunteer hours | 31,829 | 30,715 |

# SUSTAINABILITY STRATEGY

# Our sustainability strategy

*We understand the decisions we make today can help shape our energy future for generations to come.*

We're focused on advancing a cleaner energy future through innovation, responsible resource management and investments in infrastructure that support a more reliable, resilient and efficient grid.

PPL collaborates with utility industry partners and benchmarks its sustainability practices and environmental, social and governance performance through the Electric Power Research Institute's Sustainability Interest Group and the Edison Electric Institute's (EEI) ESG Committee.

The company actively participated in developing the EEI and American Gas Association (AGA) Sustainability reporting template for investor-owned utilities. PPL's transparent, voluntary sustainability disclosures align with the Task Force on Climate-Related Financial Disclosures, Sustainability Accounting Standards Board and the United Nations Sustainable Development Goals frameworks.

In addition to the safety, reliability, customer satisfaction, cost efficiency and valuation targets that define the company's vision, PPL has adopted a net-zero-by-2050 greenhouse gas emissions goal and has set targets for fleet vehicle electrification and building energy use. The company's commitment to greenhouse gas reductions is evident in the actions described in the report and other sustainability disclosures, and by the inclusion of certain sustainability metrics in officers' long-term incentive compensation.

PPL recognizes the importance of a highly-skilled and engaged workforce to create the utility of the future. The company cultivates a culture of inclusion and invests in the current and future workforce through training and development, succession planning, and creating a pipeline for recruitment and internal advancement.

Sustainability priorities related to safety, employee engagement and environmental stewardship, along with modeling of corporate values, are incorporated into individual performance evaluations and annual incentive compensation for all PPL executives.

# Sustainability governance

## GOVERNANCE, NOMINATING AND SUSTAINABILITY COMMITTEE, BOARD OF DIRECTORS

Oversees the company's practices and positions to further its sustainability strategy and corporate governance, including specific environmental and corporate social responsibility initiatives.

## CORPORATE LEADERSHIP COUNCIL AND KEY LEADERS

Reviews, provides strategic input on and approves the company's sustainability strategy and priorities. Executive leadership (CEO, CFO, COO, CTIO, CLO, CHRO), business segment presidents, the sustainability officer, and chief security officer guide the development of the sustainability strategy and enable the integration of sustainability across the enterprise and in the corporate strategy.

## CORPORATE SUSTAINABILITY COMMITTEE

Provides oversight of and establishes the priorities and performance metrics. This committee is led by the senior sustainability officer and includes senior leadership membership from operating companies, human resources, compliance, risk, investor relations, controller, legal, supply chain and corporate audit.

## SUSTAINABILITY CORE TEAM

Cross-functional and enterprise-wide team of subject matter experts who conduct analyses of sustainability priority issues and environmental, social and governance trends, and is responsible for developing environmental, social and governance disclosures.

# 2024 Sustainability Highlights

## Energy & Environment

- LG&E and KU officially broke ground on Mill Creek 5, a new state-of-the-art natural gas combined-cycle generating unit expected to begin serving power to customers' homes and businesses in 2027. Page 21.
- PPL finalized an award for up to $72 million in federal funding from U.S. Department of Energy's Office of Clean Energy Demonstrations to help fund a groundbreaking carbon dioxide capture research and development project at the company's natural gas combined-cycle generation facility in Louisville, Kentucky. Page 23.

## Social impact

- PPL's employees and retirees, combined with matching contributions from its affiliated foundations, pledged nearly $9 million during PPL's annual employee-led charitable giving campaign. The year's record-setting contributions, in partnership with United Way, will support nearly 500 local nonprofit organizations in Pennsylvania, Rhode Island, Kentucky and Virginia.
- Rhode Island Energy reached new five-year contracts strike agreement with Utility Workers Union of America (UWUA), AFL-CIO, Locals 310 and 310B, and Brotherhood of Utility Workers (BUW). The unions represent 526 employees.

## Responsible Governance & Management

- Completed the integration of Rhode Island Energy's processes onto PPL systems.
- Implemented a new organizational design that realigned resources and teams in key areas across PPL and has already yielded significant benefits, including increased best-practice implementation, operational efficiencies and a heightened culture of collaboration and continuous improvement.
- Implemented wildfire mitigation plans at all of PPL's utilities despite generally low wildfire risks throughout most of the areas we serve.

# Our sustainability priorities

PPL's sustainability strategy is informed by regular priority issues assessments, stakeholder outreach and peer benchmarking. Assessments are conducted every two to three years to identify the issues most helpful to stakeholders in evaluating the company's environmental, social and governance performance and overall sustainability.

- **Affordability** – Drive innovation, agility, and operational and cost efficiencies to preserve affordability for customers.
- **Advancing cleaner energy** – Reduce greenhouse gas emissions associated with our energy generation and delivery while maintaining reliability and affordability for our customers.
- **Community support** – Improve vitality and quality of life in the communities we serve through philanthropy, volunteerism and economic development.
- **Customer experience** – Engage with customers to deliver industry-leading service and solutions.
- **Cybersecurity and grid protection** – Maintain comprehensive risk assessment and management strategy to protect the grid, customer and employee data, and the company's assets.
- **Drive digital innovation and R&D** – Advance new technologies through research, development and innovation in partnership with industry and research institutions.
- **Emergency preparedness** – Maintain business continuity and prepare for events that affect our ability to serve customers.
- **Environmental stewardship and resource management** – Minimize our impact on the environment and communities we serve through responsible resource management, conservation of natural habitats and native species, and identification of culturally sensitive areas.
- **Governance, compliance and ethics** – Maintain strong corporate governance, transparent public policy engagement and compliance and ethical business practices.
- **Modernizing the grid** – Expand and modernize the grid to advance electrification and promote options to reduce customer energy use, including energy efficiency.
- **Reliability & Resiliency** – Enhance the reliability and resiliency of critical infrastructure through continued investments and innovation.
- **Safety** – Provide leadership, guidance and support on safety measures to ensure safety of the public, employees and contractors.
- **Supply chain management** – Ensure supply chain resilience by cultivating relationships with a strategic network of suppliers, vendors and service providers.
- **Workforce engagement** – Cultivate a culture of belonging and invest in the current and future workforce through training and development, succession planning, and creating a pipeline for recruitment and internal advancement.

*Presented in alphabetical order.*

# ENERGY & ENVIRONMENT

# Advancing a cleaner energy future

As a power provider, we understand our customers count on us to deliver safe, reliable and affordable service. This remains our primary focus as we take steps to advance a cleaner energy future without sacrificing reliability and affordability.

Our clean energy strategy enables progress toward our goals to reduce carbon emissions to net-zero by 2050 through the following:

- Reduction of generation and non-generation carbon intensity
- Innovation and R&D to enable new technologies
- Modernization of the grid

We continue to evaluate our capital investment plans with this clean energy strategy. In addition, we measure all proposed climate policies against three core principles: customer focus and affordability, sustainability and effectiveness. Our *Climate Policy Principles* are available online.

## Risks and opportunities associated with climate change

Factors such as shareowner and consumer preferences as well as market and regulatory changes can drive substantial changes in PPL's business model, including its services and portfolio of assets.

Assessing climate risk using a long-term view (2050 endpoint), PPL in 2021 conducted a comprehensive climate assessment, including a scenario analysis consistent with keeping global warming to no more than 1.5 degrees Celsius (above pre-industrial levels), and we followed the recommendations of the Task Force on Climate-Related Financial Disclosures.

As a result of our actions over the past decade, PPL has reduced its risk associated with climate change. The company's portfolio is now heavily weighted toward electricity transmission and distribution. We believe there will be significant future investment opportunities in our electricity delivery infrastructure and cleaner energy resources.

As PPL looks to the future, we will continue to take steps to identify, understand and manage risks and opportunities associated with climate impacts and the changing energy landscape. These steps include evaluating different options to inform business strategy, using modelling and input from our internal experts and third parties, as needed, and reviewing assessments with senior management and our board on an ongoing basis.

As PPL looks to the future, we will continue to take steps to identify, understand and manage risks and opportunities associated with climate impacts and the changing energy landscape.

*Risks*

Our businesses are subject to physical, market and economic risks relating to potential effects of climate change. Climate change may produce changes in weather or other environmental conditions, including temperature or precipitation levels, and thus may impact consumer demand for electricity. In addition, the potential physical effects of climate change, such as increased frequency and severity of storms, floods and other climatic events, could disrupt our operations and cause us to incur significant costs to prepare for or respond to these effects. Climate change may also contribute to heightened risk or severity of wildfires, which could disrupt our operations and cause us to incur significant costs. Although the annual FEMA National Risk Index for wildfires in the jurisdictions in which we provide service is very low to relatively moderate, we've implemented wildfire mitigation plans in each of our service territories. These or other meteorological changes could lead to increased operating costs, capital expenses or power purchase costs.

Greenhouse gas regulation, if enacted, could increase the cost of electricity, particularly power generated by fossil fuels, and such increases could have a depressive effect on regional economies. Reduced economic and consumer activity in our service areas – both generally and specific to certain industries and consumers accustomed to previously lower cost power – could reduce demand for the power we generate, market and deliver. Demand for our energy-related services could be similarly lowered by consumers' preferences or market factors favoring energy efficiency, low-carbon power sources or reduced electricity usage.

Key categories of risk stem from uncertainties related to the way customers use electricity, the performance of generation units, the price of fuel and other commodities, and the future impact of new state and federal regulations. In Kentucky, LG&E and KU prepare an Integrated Resource Plan every three years and submit the plan to the Kentucky Public Service Commission. With a planning horizon of 15 years, the primary focus of resource planning is risk management. Through the IRP process, LG&E and KU model the most reliable and affordable way to meet current and future demand, including considering demand-side management, energy efficiency, renewable resources, environmental policies and carbon pricing.

*Opportunities*

Additional enhancements to the grid are necessary to make it stronger, more resilient and better able to withstand increasingly frequent severe storm events to enable increased connection of distributed renewable and low-carbon generation sources. Under current regulation, PPL's utilities earn a return on these types of investments, which supports long-term earnings growth.

Data centers and their growing demand for energy could provide new investment opportunities.

Approximately 65% of PPL's planned capital investments between now and 2028 are focused on transmission and distribution updates to promote grid modernization and resiliency throughout our service territories. The remaining planned capital investment is focused on improvements to natural gas operations in Kentucky and Rhode Island and building new generation in Kentucky. As is typical for regulated utilities, we expect these prudent capital expenditures to produce a return on equity consistent with regulatory approvals in each jurisdiction.

In Rhode Island, the adoption of California's Advance Clean Cars II regulation will phase out sales of new internal combustion engine light-duty vehicles fully by 2035. This policy will drive the market predominantly toward electric vehicles, causing an increase in electricity demand.

Additionally, PPL is projecting strong load growth expectations related to a surge in electricity demand from data centers and an increase in domestic manufacturing within our service territories. PPL continues to support load growth through its grid modernization and other transmission and distribution investments in new or additional infrastructure required to support the increase in electricity demand.

## Emissions Reductions

PPL's carbon reduction goals, established in 2021, were firmly grounded in climate science and designed to be actionable and cost-effective while accounting for transition risks. We discuss the development of these targets and their alignment with the Intergovernmental Panel of Climate Change P3 1.5° pathway in our 2021 Climate Assessment Report. We plan to update our Climate Assessment Report in 2025 to incorporate updated forecasts, analyses and ongoing business planning to reflect the rapidly evolving energy landscape.

At PPL, we recognize stakeholder interest in emission reduction targets that are consistent with international climate goals. In response, we are actively participating in the Electric Power Research Institute's SMARTargets project, which seeks to develop a new methodology for emissions target setting that is aligned with the global goals of limiting warming to well below 2 degrees Celsius and pursuing efforts to limit warming to 1.5 degrees Celsius. This effort, which is targeted to be completed in the fall of 2025, is expected to provide a more tailored approach to target setting, while enabling companies to remain adaptable in the face of evolving policy and technology landscapes.

We plan to prepare and publish an updated Climate Assessment Report following the decision on the 2025 generation investment plan filing in Kentucky. We will be better suited to frame our net-zero 2050 goal and any updates to our interim targets when we have the results of the analysis for an updated Climate Assessment Report.

### GREENHOUSE GAS EMISSIONS

***Our net zero goal includes carbon and methane emissions within our direct control (known as Scope 1 emissions), as well as Scope 2 and material categories of Scope 3 emissions.***

*Scope 1*
Emissions directly from owned or controlled sources such as power generation and fleet vehicles.

*Scope 2*
Indirect emissions from electricity purchased and used by the organization; emissions are created during the production of energy and eventually used by the organization. Emissions associated with all electric use in buildings across all operations (PPL Electric, RIE, and LG&E and KU building outside of our utility service territory) are calculated based on market-based factors.

*Scope 3*
All other indirect emissions from upstream and downstream activities across the supply chain of a company, including any caused by customers' use of those products. These can include emissions associated with business travel, procurement, waste and water. In 2024, PPL completed an assessment of Scope 3 emissions to determine material categories.

***Emissions data on all relevant scopes can found on pages 95-100.***

## Modernizing and diversifying our generation fleet

Maintaining reliability and affordability for our Kentucky customers and supporting economic development are critical components to modernizing our generation fleet and reducing our carbon intensity.

We continue to implement a strategy that includes economically retiring end-of-life coal-fired generation; building a mix of new natural gas combined-cycle generation, solar and energy storage; and supporting critical R&D into new low-carbon generation solutions.

In late 2023, LG&E and KU received regulatory approval to retire 600 megawatts of aging coal generation and more than 50 megawatts of peaking units; construct a new 640 megawatt combined-cycle natural gas plant; and add more than 1,000 megawatts of solar generation and energy storage. In 2024, we made significant progress in implementing these plans.

## LG&E AND KU OFFICIALLY BREAK GROUND ON NEW GENERATING UNIT

*Utilities expect new state-of-the-art natural gas combined-cycle generating unit to begin serving power to customers' homes and businesses in 2027.*

LG&E and KU officially broke ground on their newest generation unit in November 2024. Mill Creek 5, a 640-megawatt natural gas combined-cycle generating unit, is now under construction and expected to begin powering customers' homes and businesses in 2027.

Mill Creek 5 will be the utilities' most efficient and advanced baseload generating unit, producing electricity through both a gas turbine and a steam turbine, which utilizes steam generated from the exhaust heat in the gas combustion process. Natural gas combined-cycle units are among the most efficient gas-fired generating technology currently available, producing 65% less carbon per megawatt hour than coal-fired units.

The project was approved in 2023 by the Kentucky Public Service Commission as part of the utilities' generation investment plan, which also includes adding a significant amount of new solar and a 125-megawatt battery energy storage system.

# Reducing emissions across our operations

PPL is working to reduce emissions associated with operations of our electric and natural gas delivery networks.

We are assessing opportunities for efficiency and renewable self-generation to reduce energy usage at our owned buildings by up to 28% by 2030.

We're making system enhancements necessary to meet electricity demand over the long term to support electrification efforts by our customers, including the adoption of electric vehicle transportation.

We are also working to reduce our own carbon footprint, taking a common-sense approach to electrification of our fleet vehicles through the following efforts:

- **Right-sizing** – Eliminating under-utilized vehicles in our fleet to reduce support costs and emissions.
- **Anti-idling** – Adding automated anti-idle systems on all vehicles and vehicle shut off for select vehicles.
- **ePTOs** – Replacing diesel-powered hydraulic aerial lift on 100% of bucket trucks with electric-powered lifts by 2035.
- **Electrify where possible** – Electrifying 35% of light-duty vehicles and forklifts, which make up about 55% of our fleet.
- **Annual analysis** – Committing to annual assessment of technology maturity and electrification targets.

Through these efforts, PPL expects to reduce fleet emissions by 41% by 2035 (compared to a 2021 baseline) without negatively impacting customer costs.

The company's electrification efforts include deploying charging stations strategically. In 2024, PPL deployed two solar and battery powered charging stations and is planning to install nine solar/wind/battery powered electric vehicles chargers that also serve as streetlights. PPL also partnered with the city of Louisville and the University of Louisville in applying for federal funding to install up to 40 level-two electric vehicle charging stations across Louisville and Jefferson County, Kentucky, prioritizing local communities.

**35%**
**Fleet to be electrified by 2035 (forklifts and light-duty vehicles)**

**41%**
**Reduction in fleet emissions by 2035 (from 2021 baseline)**

**100%**
**Bucket trucks fitted with electric lift technology by 2035**

**28%**
**Reduction in building energy use by 2030 (from 2019 baseline)**

# Investing in innovation

PPL is investing in innovation to advance new technologies to improve reliability, resiliency and flexibility of the power grid while helping to usher in a new era of sustainable energy.

We're partnering with industry and research institutions focused on several key technology areas: advanced dispatchable renewables and power electronics; long-duration energy storage and advanced demand response; zero-carbon fuels (e.g., hydrogen); advanced nuclear energy; and carbon capture, utilization and storage.

**We're engaged in more than 180 active research projects**, steering key industry partnerships and collaborating with industry and academia to enable decarbonization.

**Key partnerships include:**

- Investing in Energy Impact Partners' (EIP) and the Westly Group's global investment platforms, which bring together leading companies and entrepreneurs worldwide to foster innovation toward a sustainable energy future. PPL has invested $50 million across EIP's investment platform aimed at accelerating the shift to a low-carbon future and driving commercial-scale solutions needed to deliver deep, economy-wide decarbonization. PPL has also invested $10 million in the Westly Group, a separate investment platform focused on innovation through digitization and sustainability. Collaboration with EIP and the Westly Group provides PPL with greater visibility into emerging technologies that can be leveraged to advance the clean energy future.
- Serving as an anchor sponsor of the Low Carbon Resources Initiative, a five-year initiative led by the Electric Power Research Institute (EPRI) and Gas Technology Institute to help accelerate research and development of low-carbon and zero-carbon technologies. The Low-Carbon Resources Initiative is a collaborative focused on identifying, developing and demonstrating affordable pathways to economy-wide decarbonization. This initiative is pursuing fundamental advances in a variety of low-carbon electric generation technologies and low-carbon energy carriers, such as advanced nuclear; carbon capture, utilization and sequestration; hydrogen; ammonia; synthetic fuels and biofuels. Research also includes assessing low-carbon pathways for producing, transporting and storing these energy carriers, as well as opportunities to use them in power generation, transportation and other applications.
- Creating innovative partnerships with academia including our longstanding partnership with the University of Kentucky's Institute for Decarbonization and Energy Advancement (IDEA) at the PPL R&D Center. The research aims to develop a flexible, net-negative $CO_2$ emissions technology that will be directly applicable to natural gas combined cycle power generation while minimizing the associated capital costs of installing this technology. New strategic research partnerships were made with the University of Rhode Island in offshore wind, climate change and nuclear technology. A new research partnership with Kentucky State University (KSU) was established.
- Collaborating with more than two dozen companies to launch the public-private Mercury Consortium to establish guidelines and best practices to accelerate the adoption and impact of clean energy technologies, such as EV chargers, heat pumps, solar panels, smart thermostats and residential batteries. The consortium will focus on enabling utilities to leverage these technologies to make grids more resilient and efficient to operate.
- Working closely with EPRI to launch their Data Center Flexible Load Initiative (DCFlex), which plans to showcase innovative strategies for integrating data centers with the grid under various conditions. The initiative expects to demonstrate the potential for data center operational flexibility to be used as a power grid resource.

The following are examples of key research and development projects

started or active in 2024:

- **Carbon Capture**. Collaborating with the University of Kentucky's Institute for Decarbonization and Energy Advancement to create net-negative $CO_2$ emissions. The collaborative, which includes the Electric Power Research Institute (EPRI) and multiple industry partners, was awarded up to $72 million in federal funding from the Department of Energy (DOE) to help fund a large pilot $CO_2$ capture system at the company's Cane Run Natural Gas Combined Cycle unit. The captured $CO_2$ from the system is planned to be purified and reused by local industrial customers. In partnership with the University of Kentucky and EPRI, we are also developing plans for a full-scale carbon capture system at the company's Cane Run Natural Gas Combined Cycle unit for net neutral operation with a product stream of 99.9% purity carbon dioxide.
- **Nuclear**. Building on an earlier assessment of nuclear feasibility at LG&E and KU's Ghent coal-fired power plant by exploring additional locations and partnerships that could support nuclear energy in the commonwealth. This is part of our ongoing efforts to evaluate all options for future replacement of aging generation, as well as ways to support energy-intensive customers with zero-carbon objectives.
- **Transmission and Distribution.** Collaborating with multiple partners on 11 active projects related to transmission and distribution infrastructure including microgrids, resilience and adaptation planning, asset vulnerability assessments and robotic drone inspections of transmission equipment.
- **Resiliency planning**. Collaborating in the Climate Resilience and Adaptation initiative (READi), a three-year initiative launched by the Electric Power Research Institute (EPRI) to address energy system climate resilience and adaptation as extreme weather events continue to increase. The effort is focused on strengthening grid resilience against potential climate and weather impacts. Climate READi will enable global energy companies, climate scientists, regulators and other stakeholders to proactively analyze and apply climate data, allowing for the planning, design and operation of resilient energy systems of the future. PPL is also collaborating with the University of Rhode Island and the University of Kentucky on multiple resiliency focused projects. With the University of Rhode Island, PPL is evaluating changes in temperature variability and extremes over recent decades to evaluate climate impacts on energy demand, use and infrastructure. PPL is working with the University of Kentucky to develop predictive models to provide insight on opportunities for demand shifting or energy efficiency.
- **Solar**. Deploying new, state of the art, bifacial single-axis tracking solar panels at our Renewable Integration Research Facility. The single-axis tracking panels follow the sun as it moves through the sky. The bifacial solar panels are more efficient than traditional solar panels because they can absorb the sun from both the front and back surfaces. The Renewable Integration Research Facility also hosts high-efficiency 360-degree tracking solar panels. In addition, we continue to partner with the University of Kentucky to research ways to recycle solar panels and reuse their input components to potentially lower costs, reduce waste, and improve sustainability.

- **Solar Vegetation Management**. After successfully adding a flock of sheep to our E.W. Brown solar facility, taking the best practices and adapting them, LG&E and KU have expanded this program to the Solar Share solar farm and integrated sustainable vegetation management with the previously installed pollinator habitat. PPL previously won an Electric Power Research Institute (EPRI) Technology Transfer Award for "Enhancing Solar Facility Vegetation Management Through Grazing and Native Solutions" for our deployment of sheep and pollinators at our E.W. Brown Solar Facility.
- **Wind**. Deploying Kentucky's first utility-scale wind turbine in partnership with Northern Power Systems. The wind turbine is directly connected to the battery storage system located at our Renewable Integration Research Facility, demonstrating how combining the strengths of solar, wind, hydro and storage can provide more reliable and affordable renewable electricity generation. In Rhode Island, we continue our partnership with the University of Rhode Island regarding off-shore wind and are applying jointly for federal research funding.
- **Storage**. Implementing battery-energy storage systems to provide clean energy to customers during times of peak electrical demand. In Kentucky, PPL R&D continues to test the state's largest lithium-ion battery at the Renewable Integration Research Facility and evaluate opportunities for newer long-duration energy storage technologies. PPL was recognized with the Top Innovator in Energy Transition award for its Renewable Integration Research Facility by Public Utilities Fortnightly. R&D teamed up with the Electric Power Research Institute (EPRI) and the University of Kentucky to publish lithium-ion battery operational and physical site safety practices. We continue to partner with the University of Kentucky to research ways to recycle lithium-ion batteries and reuse their components to potentially lower costs, reduce waste, and improve sustainability. RIE is piloting two battery-energy storage systems to improve resiliency and performance. The two battery systems are designed to store electrical energy during low-usage periods. One is a front-of-the-meter system, meaning it will remain in an at-ready state and can be utilized immediately if an outage occurs to prevent customer loss of power. The second system is a behind-the-meter system that can be charged and discharged daily and used as a load peak-shaving asset to the customer's load. The battery systems could provide an option that not only avoids outages but also avoids resorting to more expensive, less sustainable energy alternatives during peak demand.

# Modernizing the grid

Across our enterprise, PPL's operating companies conduct robust transmission and distribution planning each year to maintain compliance with rigorous federal, state and industry standards, enable us to deliver energy safely and reliably, and position PPL to support the clean energy future.

Throughout 2024, PPL continued to execute our utility of the future strategy, completing $3.1 billion in planned capital investments to strengthen the grid against more frequent and severe storms; to speed restoration and recovery when they occur; and to advance a safe, reliable and cleaner energy mix.

A significant portion of our investments in infrastructure improvements has been focused on incorporating new technology and hardening transmission and distribution systems to withstand weather-related impacts.

Advanced technology enables us to monitor and address the constantly changing conditions on the grid. We're installing sensors, relays and reclosers across the system to send back information in real-time, allowing us to isolate problems and re-route power so the fewest customers are affected for the shortest amount of time.

To help reduce maintenance costs, we are harnessing the power of digital science and data analytics to tell us when parts need replacement. For example, we can now reliably tell from corrosion rates and other data when a piece of equipment might fail, and replace it preemptively, thus avoiding a power outage.

## CAPITAL INVESTMENT PLAN

| PPL is investing $20 billion between 2025 and 2028 | |
|---|---|
| 33% | Electric Transmission |
| 30% | Electric Distribution |
| 20% | Electric Generation (non-coal) |
| 7% | Gas Operations (LDC) |
| 6% | Electric Generation (coal-fired)[1] |
| 4% | Other |

[1] *Investments are focused on environmental retrofits and maintenance to support reliability.*

As technology plays an increasing role in our business, we're especially attentive to cyber threats and other potential dangers to the grid. We plan and operate our system with the latest intelligence around cyber and physical intrusion and regularly evaluate our security by testing our system's defenses. See page 60 for more information.

Looking forward, PPL's $20 billion capital investment plan from 2025 to 2028 will build on our 2024 progress, further strengthening the grid and advancing a safe, reliable, affordable and cleaner energy mix.

# Reliability and resiliency

PPL has developed one of the nation's smartest, most robust electrical grids in its Pennsylvania service territory. We are leveraging what we have learned in Pennsylvania to strengthen the reliability of our networks in Kentucky, Rhode Island and Virginia.

**Investments to modernize and strengthen the grid include:**

- Replacing aging equipment, often to higher design standards.
- Installing smart grid technology and automation to enable real-time monitoring of system conditions, detect faults and quickly restore power to as many customers as possible when outages occur.
- Building new power lines and substations to support increased demand, add redundancy and give us greater flexibility to reroute power.
- Rebuilding existing power lines with stronger poles and wires to better withstand extreme wind and tree impacts.
- Installing devices to prevent lightning and animals from damaging equipment.
- Clearing trees and other vegetation that pose a threat to power lines.
- Enhancing cyber and physical security to protect critical T&D assets.
- Assessing flood risks at critical facilities, such as substations and power plants, and relocating facilities or installing defenses, where necessary.

## RELIABILITY

| | PPL Total | US AVG |
|---|---|---|
| SAIDI | 84.15 | 123.9 |
| SAIFI | 0.73 | 1.022 |
| CAIDI | 114.6 | 121.3 |

*SAIDI is the average outage duration (in minutes), excluding major events. SAIFI is the average number of interruptions per customer, excluding major events. CAIDI represents the average time (in minutes) required to restore service after a sustained interruption occurs. 2023 U.S. Average. A lower number is better in each of these metrics.*

## IMPROVING SAFETY, RELIABILITY AND EFFICIENCY THROUGH TECHNOLOGY

PPL Electric is deploying innovative Early Fault Detection (EFD) technology throughout its entire distribution network in Pennsylvania following a highly successful pilot program.

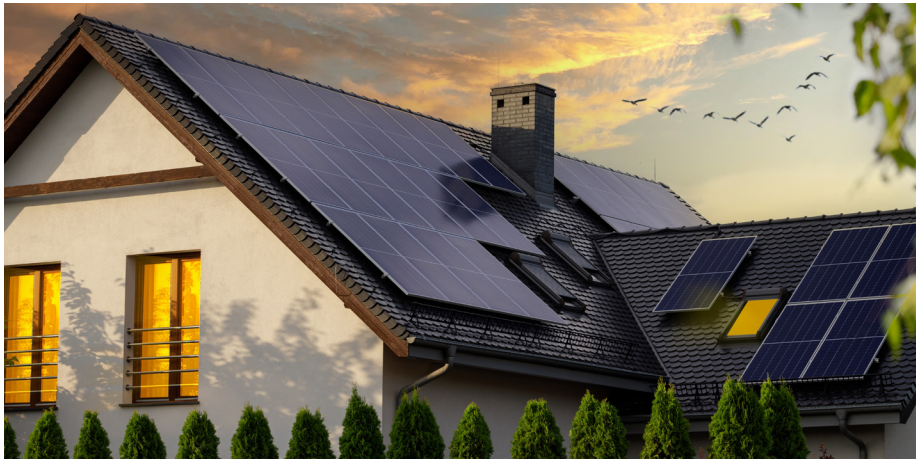
The EFD sensors detect and repair failing equipment before outages occur, allowing the utility to embrace a proactive approach to preventing outages. This shift from unplanned repairs toward planned work leads to improved worker and public safety, reduced costs associated with operations and maintenance, improved reliability and increased situational awareness about potential wildfire ignition sources.

PPL Electric's plan calls for the installation of more than 9,000 radio frequency sensors across 1,200-plus distribution circuits by the end of 2028. To date, more than 1,900 sensors have been installed and have helped identify 247 potential outage-causing issues and 296 other issues that required additional review. Resolving these issues helped to prevent momentary outages for more than 149,000 customers and permanent outages for more than 93,000 customers.

# Enabling clean energy resources

PPL operates highly regulated utilities and works at all times to comply with the regulatory requirements of the jurisdictions in which it operates while balancing stakeholder needs. We provide resources that give our customers the choice to support cleaner energy options.

- LG&E and KU is currently accepting enrollments in the sixth section of their Solar Share facility. The subscription-based Solar Share program is a cost-effective option available to residential, business and industrial customers who want to support solar energy for as little as 20 cents per day. More than 2,700 LG&E and KU customers across Kentucky have enrolled in the program that helps them reach their own renewable energy goals. Upon completion, the Solar Share facility will have eight sections and a total capacity of four megawatts.
- The Renewable Choice Calculator helps LG&E and KU customers explore their sustainability options. By inserting a few details – including customer type and average monthly bill – the calculator uses the utilities' Solar Share Program and Green Energy Program to provide a solution that enables most customers to support renewables at a level that is equal to 100% of their power consumption for less than $1 per day or about 5% more on their monthly energy bill.
- PPL Electric complies with Pennsylvania's Alternative Energy Portfolio Standards Act. From June 2023 to May 2024, alternative power sources comprised 18% of the power purchased by PPL Electric for its default service customers. This included 8% from solar, wind and hydropower energy sources. Based upon the current alternative-energy standard, Pennsylvania's renewable energy obligations have plateaued at 18%. Any increase to the obligation will require amendments to the state's statutes.
- The user-friendly Renewable Energy Connection website makes it easier for PPL Electric customers to apply to connect solar panels and other generation systems to the grid.



- PPL Electric's Distributed Energy Resource Management System helps PPL Electric integrate more distributed energy resources like private solar while preserving network reliability and power quality. To date, PPL Electric has connected more than 470 megawatts of renewable energy to the grid.
- RIE supports the state of Rhode Island's Renewable Energy Standard (RES), which requires companies to supply a specific percentage of their retail electricity from renewable resources in the electric generation they sell to Rhode Island customers. In 2024, the required percentage was 28%.
- RIE also offers two customer programs to encourage local renewable energy connections. About 760 megawatts of renewable energy resources have been connected by year-end 2024.
- PPL's companies participate in the National Electric Highway Coalition. More than 60 electric companies across the U.S. participate in this alliance organized around the common goal of deploying EV fast charging infrastructure to accelerate electric transportation.

# Energy efficiency

PPL empowers our customers to save energy and money while connecting them to the resources they need to get the job done.

Collectively, energy-efficiency programs helped customers save more than 434,100 megawatt-hours of electricity and reduced peak demand by nearly 78 megawatts in 2024. Programs to support natural gas energy efficiency saved more than 241,400 MMBtu throughout 2024.

PPL's utilities share important energy-efficiency information with both business and residential customers on a regular basis. This information is distributed through online and television advertising, by mail, through digital means and in person. It includes home-energy analytics, energy-savings tips and information about available energy-efficiency rebates.

Our companies offer a variety of services to help customers save energy, calculate their indirect greenhouse gas and carbon emissions and adopt renewable energy.

*Programs offered include:*

- Online resources to make it easier to connect renewable energy resources
- Smartphone apps that allow customers to trace their carbon footprint
- Conservation/home energy performance monitoring
- Low-income weatherization
- High-efficiency lighting
- HVAC testing and tune-ups
- New construction advisory services
- Education resources on electric vehicles
- Load management options with financial incentives to reduce demand during peak hours
- Appliance removal with incentives for replacement with EnergyStar® appliances
- Smart energy profiles and dashboards for monitoring usage and performance
- Energy-efficiency education

## ENERGY EFFICIENCY PROGRAM

**78 MW**
**Peak demand reduction**

**$128M**
**Total rebates**

**800K**
**Total number of participants**

**$200M**
**Total utility investment in programs**

**148K**
**Metric tonnes of $CO_2e$ emissions avoided as a result of energy savings**

# Investing in safe, reliable natural gas service

In addition to providing electricity, PPL's utilities in Kentucky and Rhode Island also own and operate natural gas distribution systems, and we recognize the criticality of the natural gas system in maintaining safe, affordable and reliable energy for our customers as we advance a cleaner energy future.

Our natural gas operations employ comprehensive natural gas safety measures that include 24/7 monitoring by a central Gas Control Room; conducting leak surveys; operating a Pipeline Integrity Management Program that identifies and minimizes potential pipeline risks; and educating community partners and the general public about natural gas safety. Additionally, both companies are in the process of implementing a Pipeline Safety Management System.

In Kentucky, LG&E's system is made up of over 4,800 miles of natural gas transmission and distribution lines; compressor stations that move the gas through the system to customers; and natural gas storage fields that enable LG&E to purchase gas when costs are low and store it for later use, passing on the savings to customers. LG&E continues to use in-line inspection technology as its primary assessment method for its transmission pipeline system and in 2024 responded to emergency calls on average in about 31 minutes.

LG&E has completed multi-year infrastructure improvement projects that have resulted in a reduction in methane leaks and gas loss and improved the safety and reliability of the gas system. Enhancements to LG&E's natural gas infrastructure included:

- Replacing gas processing equipment at compressor stations, helping to reduce energy usage and flare stack emissions.
- Continuing the replacement of approximately 45,000 steel customer service lines.

In Rhode Island, RIE's natural gas system serves over 279,000 customers and consists of 3,200 miles of natural gas distribution lines; over 170 regulator stations; and three liquified natural gas (LNG) storage and vaporization facilities that are used during peak gas demand timeframes. These assets allow RIE to provide reliable gas service to our customers.

RIE is currently implementing an asset modernization and gas distribution line replacement program through the company's Infrastructure Safety and Reliability (ISR) Plan, which is resulting in improved safety and reliability and a reduction in methane leaks and gas loss. RIE has made significant progress since the plan launched in 2013, including:

- Replacing 519 miles of gas distribution lines defined as leak-prone pipe. This work has resulted in a 44% reduction in leak receipts per mile of distribution main from 2013 to 2023.
- Reconditioning four miles of large-diameter cast iron pipe.
- Replacing 48 regulator stations and updating an additional 71 regulator stations with three-layer protection to protect against over pressurization.
- Phasing out low-pressure regulator stations

RIE's ISR plan for 2025 includes the replacement of 30 miles of leak-prone gas pipe and five to seven regulator stations.

Rhode Island's Public Utilities Commission undertook a regulatory proceeding investigating the future of gas use and infrastructure in the state, a response to the 2021 Act on Climate, which requires economy-wide greenhouse gas emissions reductions to net-zero by 2050.

The commission is expected to issue recommendations specific to the natural gas distribution system in spring 2025 to help inform the state's 2025 Climate Action Strategy due on Dec. 31, 2025.

# Environmental stewardship and resource management

PPL's operating companies have a strong commitment to compliance, transparency and continuous improvement.

All facets of the daily operations of electric power and natural gas companies can have an impact on the environment and as such are subject to various federal statutes including but not limited to the Clean Air Act, Clean Water Act, Resource Conservation and Recovery Act and the Endangered Species Act.

PPL works throughout all phases of its projects to avoid and minimize impacts to the environment, especially in sensitive resource areas. We routinely ensure structures and access roads are located to avoid impacting sensitive areas like wetlands and waterways, as well as critical habitat for rare, threatened or endangered flora and fauna.

Our Environmental Policy provides a framework to ensure we conduct business in an environmentally responsible manner.

In addition to ensuring compliance with all state and federal environmental regulations, we have a longstanding commitment to carry out all business activities in ways that preserve and promote a clean, safe and healthy environment.

The companies share best practices and provide regular performance reports to senior leadership, and reporting of environmental performance is presented in annual reports available to the public.

## Environmental Management

PPL's environmental management system helps our operating companies comply with applicable regulations, minimize our impact on the environment, and continually improve our processes.

We implement and maintain systems and procedures to provide a systematic approach to managing activities that could impact the environment and ensure that we meet or exceed environmental laws and regulations. Senior managers oversee environmental compliance and management and report to executive leadership. Risks related to environmental management are included in the Enterprise Risk Management process and reported quarterly to the Audit Committee of the Board of Directors.

Procedures and plans include:

- Air Emissions Compliance
- Water Discharge Compliance
- Waste and Byproduct Compliance
- Groundwater Protection Planning
- Spill Prevention and Response Procedures
- Environmental Audits and Assessments
- Permitting, Monitoring, Recordkeeping, and Reporting
- Avian Protection
- Biodiversity and Habitat
- Construction

Employees are expected to conduct business in accordance with PPL's environmental policy.

# Water use and stewardship

PPL's utilities support programs that protect waterways and the ecosystems that depend on them in the service areas where the utilities operate and collaborate with a variety of stakeholders and state agencies to ensure that watersheds and reservoirs meet both the needs of the utilities and other stakeholders, including the public.

PPL carefully manages the water it uses and monitors the impact of wastewater discharged into waterways. The company follows state and federal regulations regarding effluent guidelines. Point sources are regulated under National Pollutant Discharge Elimination System permitting and the company monitors and reports pollutants with reasonable potential for environmental impact.

PPL's utilities are located in eastern regions of the United States, with 0% of operations working in areas of high water stress.

Water consumption of non-generation facilities – including call centers, office buildings and administration sites, unmanned facilities (i.e. substations), and other sites unrelated to direct energy generation – is de minimus at this time.

PPL's only operations with any significant water usage are the power generation operations in Kentucky. No water used for our operations is withdrawn from areas with high water stress, according to the World Resource Institute's Aqueduct Water Risk Atlas.

LG&E and KU operate four facilities in the Ohio River Basin, which is not adversely affected by drought.

The utilities follow best management practice processes where water-related risks of operations are mitigated and controlled. While we are unable to predict the outcome of current or future litigation or regulatory proceedings, the company does not expect risks related to water management to have a material impact on operations. LG&E and KU generation facilities monitor and comply with all state and local water quality standards when the water leaves our facilities. Information on this can be found in the state report on the Kentucky Energy and Environment Cabinet website.

The National Oceanic and Atmospheric Administration predicts the Ohio River's water levels daily and has never required LG&E and KU to reduce non-hydro generation due to river temperature or water volume issues. There is only one power plant, the Ohio Falls hydroelectric plant, that could be impacted by water volume because it is a run-of-river dam.

| 384,000 | 428,000 | 44,000 | 90% |
|---|---|---|---|
| **Megaliters per year of water discharged** | **Megaliters per year of water withdrawn** | **Megaliters per year consumed** | **Total Volume of Water Recycled and Reused** |

However, that plant accounts for only about 1% of the company's power generation.

Our water management strategy includes:

- Paying consumptive use fees to cover the costs of reservoir projects and storage space, designed to benefit all users and maintain adequate river levels during low flow periods.
- Utilizing closed-cycle cooling at our generating plants to reduce the volume of cooling water withdrawn from the region's watershed.
- Adhering to our Groundwater Protection Plan.
- Implementing a Stormwater Best Management Practices Plan.
- Maintaining a Spill Prevention Control and Countermeasure plan that facilitates the safe storage of chemicals and oils on site. Proper secondary containment and monthly tank inspections ensure chemicals remain out of the watershed and groundwater.

The companies also continue to decrease consumptive water use as they improve power plant efficiency and have transitioned to dry-ash handling at remaining coal-fired power plants in Kentucky.

# Waste management

PPL has high standards for managing waste from our operations. In keeping with the company's commitment to advance a cleaner energy future and encourage responsible stewardship, we seek innovative solutions and opportunities to reduce, reuse and recycle waste materials.

The companies have strong waste management programs in place focused on recycling and eliminating hazardous waste. Other waste streams include e-waste, cardboard, municipal trash, scrap metals, wooden utility poles and coal combustion residuals.

This year, over 69% of the coal combustion residuals generated by LG&E and KU were recycled for manufacturing wallboard and cement. LG&E and KU have closed 18 coal combustion residuals wet storage impoundments. Only three facilities remain, with construction for closure expected to be complete in 2025. None of the utility's wet coal combustion residuals storage impoundments receives sluiced materials for treatment in compliance with the coal combustion residuals rule.

100%

**Universal Waste Diversion Rate**

60%

**Non-hazardous Waste Diverted from Landfills**

# Biodiversity

Biodiversity is an essential component of a healthy environment and PPL is committed to developing solutions to preserve biodiversity and restore ecosystems across the areas where we operate and in neighboring communities.

PPL's utilities have implemented habitat mitigation practices to prevent or reduce detrimental effects on biodiversity from company actions and ongoing operations, wherever possible.

PPL's biodiversity practices comply with state, federal and local regulations. In addition, our operating companies work extensively to ensure the environment is protected while work is being done on the electrical and natural gas delivery systems, especially in sensitive resource areas.

**Our biodiversity strategy includes:**

- Ensuring compliance with all state and federal regulatory requirements related to habitat management, watershed management, biodiversity preservation and ecosystem restoration.
- Adopting comprehensive Avian Protection Plans to protect birds from coming in contact with electrical equipment and power lines.
- Using pollinator-supportive and native plants as part of construction, maintenance and restoration activities where practical.
- Screening for High Quality and Exceptional Value watersheds and streams, which are water body classifications that protect habitats that may support high levels of biodiversity.
- Implementing habitat mitigation practices to prevent or reduce detrimental effects on biodiversity from company actions and ongoing operations, wherever possible.
- Engaging with stakeholders when planning, building and operating our energy infrastructure.
- Conducting rigorous invasive monitoring, treatment and eradication on our Rights-of-Way that cross state-owned and federally owned lands. By controlling invasive plants, this promotes the presence, abundance and/or biodiversity of native plants on these sites.
- Partnering with state and non-governmental agencies to identify and protect species of concern in proposed work areas before work is executed and permits are requested.
- Supporting community initiatives to protect the environment through charitable contributions, volunteering and direct engagement on restoration efforts.

## POWERING A PEREGRINE COMEBACK

For more than two decades, LG&E and KU have partnered with the Kentucky Department of Fish and Wildlife Resources to help protect the state's peregrine falcons. As part of that program, the utilities have established nesting boxes – maintained by employee volunteers – at several generating stations. Those boxes provide the falcons a perfect location in which to raise their families and thrive in a safe environment.

Nearly 200 chicks have fledged from nesting boxes placed at LG&E and KU generating stations over the past 20-plus years. In 2024, eight peregrine falcons nested at the Mill Creek, Trimble County and Ghent generating stations.

The public can check out the action live by tuning in to the utilities' live falcon cam every spring.

# Vegetation management

Effective vegetation management along distribution and transmission lines is a critical part of maintaining the reliability our customers depend on to power their homes and businesses.

Our vegetation management program is designed to promote the safe and reliable operation of the electric grid, while making sure that we are sensitive to both the concerns of property owners and our obligations to electricity customers. We work with conservation, land management and environmental groups, on both state and federal levels, to advance common goals of electric reliability and environmental stewardship.

As the No. 1 cause of outages, trees and other tall vegetation need to be kept away from power lines. If they get too close, power outages can result. Tree-related outages can potentially affect thousands of customers for extended periods of time. Keeping overhead power lines clear of limbs and brush also enables our crews to detect and repair issues that impact service during storms. Tree interference also poses potentially significant safety risks to our employees and the public.

PPL's utilities all conduct tree clearance trimming throughout their service areas on cycles to maintain reliable service. The utilities use integrated vegetation management practices to encourage compatible species that reduce the need for herbicides. Our vegetation management practices promote healthy ecosystems and provide measurable results, such as greater biodiversity along rights-of-way to limit and control non-native species.

| 76,000 | 11,000 |
|---|---|
| **Miles of distribution lines** | **Miles of transmission lines** |

The utilities also use light detection and ranging technology (LiDAR) to map vegetation, including individual trees adjacent to transmission rights-of-way. This technology helps our foresters identify trees that represent a risk to our electric facilities. The system is designed to assist in prioritizing vegetation management activities so tree crews can be deployed more precisely.

In addition to tree trimming, which is a critical part of maintaining the reliability of the grid, the vegetation management team is also committed to enhancing the environment and landscape. We provide trees, saplings and native plants to public and conservation groups throughout Kentucky, Pennsylvania and Rhode Island. Collectively, more than 40,000 saplings are donated annually throughout our service territories.

## RHODE ISLAND ENERGY NAMED A 2024 TREE LINE USA UTILITY

Our focus on vegetation management best practices not only ensures reliable service but also contributes to a greener and healthier community. That dedication has now earned Rhode Island Energy recognition from Tree Line USA for their commitment to urban forestry.

Rhode Island Energy achieved the Tree Line USA recognition by meeting five program standards: quality tree care, annual worker training, tree planting and public education, a formal tree-based energy conservation, and sponsorship of or participation in an Arbor Day celebration.

Tree Line USA, a partnership between the Arbor Day Foundation and the National Association of State Foresters, recognizes public and private utilities for pursuing best practices that protect and cultivate America's urban tree canopy. In addition, Tree Line USA promotes delivering safe and reliable electricity while maintaining healthy community forests.

# SOCIAL IMPACT

# Stakeholder engagement

Our operating companies have a history of community engagement and public meetings to support development activities and engage with stakeholders regularly throughout the year.

That continuous and ongoing engagement is critical as we work to create next-generation utilities. Whether we are building and maintaining more resilient and reliable infrastructure or transitioning to cleaner energy sources, we are helping to ensure a balanced, responsible and just transition that considers the impact on our employees, communities and customers.

PPL engages with our stakeholders regularly and values the insights they provide as we work to deliver results for today and set strategic goals for the future.

## OUR STAKEHOLDER GROUPS' APPROACH TO ENGAGEMENT

### Communities

- Ongoing discussions and partnerships with environmental groups related to operational activities
- Power plant advisory committees for facility neighbors
- Support for events and programs of nonprofits, chambers and associations
- Volunteerism (board service, events, long-term programs)

### Customers

- Billing statements and messaging
- Consumer advisory panels
- Customer commitment advisory forums
- Customer feedback (surveys, online comments, phone calls)
- Demand-side management/energy efficiency advisory groups
- Customer Assistance Expos
- Email newsletters
- J.D. Power survey
- Market research
- Press releases and media opportunities
- Websites

### Government

***(local, state, federal)***

- Attendance at, and participation in, meetings and hearings with regulators and policymakers
- Continuous dialogue

### Industry Associations

Attendance at regular meetings and conferences and active participation in organizations such as:

- American Gas Association
- Edison Electric Institute
- Electric Power Research Institute
- Energy Storage Association
- Smart Electric Power Alliance
- State and regional chambers of commerce and industry associations

### Employees

- Business resource groups
- Company intranet
- Employee feedback (via surveys)
- Performance reviews
- Safety and health committees
- Town hall meetings
- Training events

### Shareowners

- Investor calls
- Investor relations website
- Ongoing discussions through meetings and calls
- Quarterly earnings news releases

### Suppliers

- Supplier meetings
- Supplier networking summits
- Supplier sustainability surveys

# Advancing a cleaner energy future for all communities

As markets, customers, and the generation and delivery of energy evolve, PPL remains true to our commitment to conduct business in an environmentally responsible manner. Additionally, we proactively take measures to bring value to all of our customers, create sustainable communities and treat our employees with dignity and respect. Our approach takes into consideration equitable access and affordability for all customers in the planning and program design; complying with existing local, state and federal laws while ensuring community awareness and involvement; and ensuring the workforce and local economy benefit as we advance to a cleaner energy future.

## Empowering all customers

Whether siting new power lines or installing environmental controls on existing generating plants, PPL encourages improvements that reduce our environmental impact, invest in new infrastructure, empower customers with new options, and drive innovation that benefits society.

We believe decarbonization and grid resiliency are broad benefits to be enjoyed across all communities. We are focused on investing in infrastructure improvements that will improve resiliency, deliver cleaner energy and enhance associated program offerings, such as electric vehicle charging and energy efficiency, to all communities that both want and need it.

### INNOVATIVE SOLAR PARTNERSHIP HELPS OFFSET MONTHLY ELECTRIC BILLS

LG&E and KU continue to see success from a partnership using renewable energy to benefit Kentucky families. In 2024, Kentucky's Office of Energy Policy added its support of a partnership with Kentucky Habitat for Humanity to provide eligible low-income families with subscriptions to the utilities' Solar Share Program.

The utilities' gifting option, approved by the Kentucky Public Service Commission in 2019, enables program subscribers to transfer monthly solar share credits to another recipient, such as a loved one, friend or organization.

In 2024, Kentucky's Office of Energy Policy was able to use federal State Energy Program funds to increase the number of shares subscribed and extend assistance to additional low-income families through this innovative partnership. As a result, there are 14 families that have a portion of their utility bill offset.

## Environmental impact considerations

We recognize that our infrastructure projects have the potential to impact local communities. We leverage more than a century of experience developing and maintaining the systems that keep electricity and natural gas flowing, and we have long-established practices to ensure we are focused on engagement, access, affordability and community support in every project we develop, including:

- Using environmental screening to identify all communities impacted by projects under development.
- Seeking early and frequent stakeholder engagement, including public open houses and public feedback surveys.
- Communicating with plant advisory committees and plant neighbors.
- Providing timely and transparent information.
- Working with local community leaders.
- Expanding community support and development efforts.
- Engaging with stakeholders, including regulators, customers, employees, commercial and recreational groups, and the community at large to assess potential impacts of development activity, environmental initiatives and actions stemming from the company's business activities.
- Supporting and utilizing leading research and investing in innovation to advance sustainable resource management and reduce our environmental impact.

Across our service territories, our teams work with various partners as we aim to minimize our operational impact on sensitive resource areas, protecting biodiversity and ecosystems. In addition, we offer grants to environmental conservation organizations for community revitalization; support research and development projects related to pollinator habitat protection; manage pollinator habitats at company facilities; work to identify and protect species of concern in proposed work areas; and provide trees and pollinator-friendly plants to county and municipal parks, environmentally focused groups and schools through various distribution programs.

## Responsible business practices

We carefully consider environmental and economic factors that impact employees, communities and customers when assessing and planning development activity.

The company has developed an engagement strategy that outlines the considerations, resources and plans we'll use to engage our stakeholders as we work toward a cleaner energy future. We take into consideration best practices, lessons learned from past experiences, available data and ways to include internal and external stakeholders in this process.

Our approach to stakeholder engagement for projects that have the potential to impact communities significantly we serve includes:

- Identifying key internal stakeholders and accountable owners.
- Conducting a project-needs assessment.
- Assessing outreach and planning considerations.
- Creating a profile of the impacted area.
- Identifying external stakeholders.
- Organizing community outreach.
- Establishing a strategic communications plan.

With PPL's Kentucky-based power plants providing hundreds of well-paying jobs and ongoing tax revenues for the communities in which they operate, we know that the retirement of a power plant can have a significant impact on employees and the community. To help ensure an orderly transition for our employees and the communities we serve, we work to retire power plants in a way that aims to be the least disruptive to the local economy, including through employee retraining programs. We engage with regulators, customers, employees and the community early and often during a multi-year process as we economically retire existing generation and construct replacement generation, often on the same site as the retired unit.

LG&E and KU's long-standing commitment to being good corporate citizens within the communities they serve allows them to better understand the unique challenges and interests facing each community. LG&E and KU's community relations and government affairs departments have pursued a strategy of engagement through customer interaction, local community board memberships, active participation within neighborhood groups, and consistent dialogue with elected officials.

The companies have successfully retired plants in the past with minimal to no disruption to the workforce or our local communities. The companies' plan for generation plant retirements through 2027 includes consideration of employee impacts through multi-year workforce planning, with job impacts expected to be minimized through attrition, internal transfers, planned retirements, retraining and staffing new power plants.

The companies' planning provides:

- Flexibility for each location to address its specific needs.
- Less disruption to the workforce and community.
- Opportunities for continued reinvestment and reuse of existing generation sites.
- Ability to support economic development through replacement with a reliable, affordable and resilient energy portfolio.

# Economic development

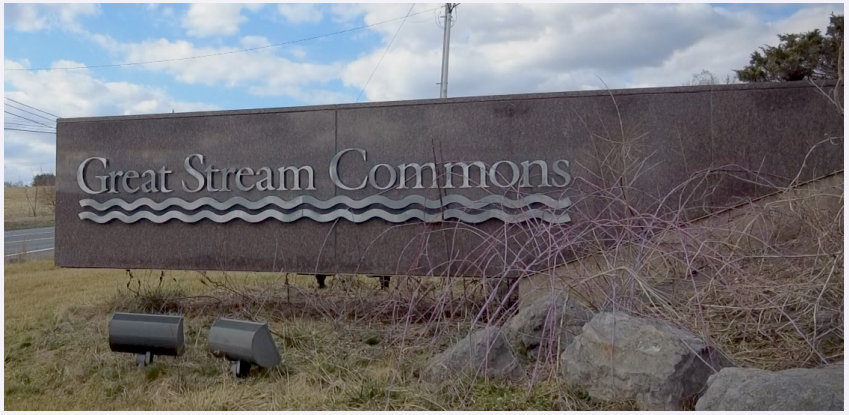
## Contributing to the economic vitality of our communities

Mapping out long-term energy plans that contribute to economic vitality is part of the way PPL's companies work to provide a bright future for the communities we serve. We understand enhancement and construction of utility infrastructure, at a reasonable cost, is vital to attracting and retaining businesses that create jobs for our communities.

We provide incentives to support economic development efforts. For example, LG&E and KU's Economic Development Rider – an incentive rate for existing industry expansions, new project locations and redevelopment initiatives within the service area – continues to be recognized as an exemplary business attraction tool. The company's economic development and major accounts team works with state, county and local officials, regional partners, site consultants, real estate developers and industry associations on potential business relocations and expansions.

In Pennsylvania and Rhode Island, the utilities' key account managers work to engage business and industrial customers to help them get the most from their energy dollar through the utility's energy efficiency programs. They also serve as liaisons with operations to assist with the electrical power needs of large customers and proactively address potential reliability issues. In addition, the companies' community relations teams are actively involved in various organizations dedicated to helping communities thrive.

To contribute further to economic development in our regions, PPL's subsidiaries and their executives are actively involved in business organizations, such as local chambers of commerce and economic development organizations.




### A CRITICAL PARTNER IN ECONOMIC GROWTH

Electricity is a keystone for economic growth. Maintaining a strong, reliable electric grid and fair prices ensures companies invest in communities within our service territories.

When PPL Electric learned about plans for a business park that would help drive economic growth in rural Pennsylvania, the company collaborated with developers and businesses to develop an infrastructure plan that was a critical component in attracting business and improving reliability for all customers in the area.

The project included construction of a new 69-to-12kV distribution substation; over two miles of new overhead distribution lines; and several new remotely operable smart grid devices.

The completed Great Stream Commons business park is a great example of how the company collaborates with developers and businesses to support commercial and industrial growth in the communities we serve.

# Community engagement

## Strengthening the communities we serve

As we work to create the utilities of the future, we strive to be a responsible corporate citizen and support the communities in which we live and work. Volunteerism and charitable giving are key in our efforts to be an active and positive force in our communities.

Charitable giving – through each utility and their affliated foundations – helps to bolster education; foster partnerships that support the growth and vitality of the communities we serve; develop the future workforce of the energy sector; conserve and protect our environment and strengthen local communities.

Collectively, PPL's operating companies and affiliated foundations contributed more than $14.2 million in 2024 to support local organizations through annual grant and charitable giving programs in Kentucky, Pennsylvania and Rhode Island. The support is one of the many ways the company works year-round to uphold its values, which include a focus on corporate citizenship.

Our employees support their local communities through volunteerism and charitable contributions. In 2024, the company's employee giving campaigns. raised nearly $4.5 million in employee and retiree pledges. Together with matching funds from the affiliated foundations, which match contributions dollar for dollar, $9 million will go to support local nonprofits in each of the states in which we operate.

### MAKING A POSITIVE IMPACT

At PPL, we are proud to make a difference in the communities we serve, and we are proud of our employees who spend countless hours giving back and exemplify PPL's caring spirit.

Every year, we hold a company-wide volunteer event, Day of Caring, in celebration of our United Way and Power of One campaigns.

In 2024, nearly 700 PPL employees joined forces to make a difference in the communities we serve in Pennsylvania, Kentucky and Rhode Island.

The day was spent engaging in various activities helping 30 nonprofit organizations. From planting trees, to painting, to beautifying school grounds to packing emergency food boxes for seniors and veterans, PPL employees made a hands-on difference.

This annual day of service continues to outperform and evolve, with a near 75% increase in volunteers last year.

**$14.2 million**
**Total Company and Foundation Charitable Giving**

**31,000**
**Number of Employee Volunteer Hours**

# Safety

## We never compromise on safety and health for our employees, contractors, customers and the public.

Safety is more than a commitment at PPL. It's a value that is rooted in everything we do.

PPL's operating companies have a strong accident-prevention culture. Employees embrace health and safety at a grassroots level, holding each other accountable and sharing best practices to reduce risks and eliminate workplace accidents. Our approach is outlined in our health and safety policy.

In 2024, we undertook several initiatives focused on improving our safety performance.

- Rolled out safer work practices to reduce electrical shock and flash hazards within electric operations.
- Continued to empower bargaining unit safety advocates to enhance employee engagement, observe work done by peers and recommend ways to improve safety.
- Implemented Stop Work Authority, which empowers employees and contractors to stop work at any time if they perceive unsafe conditions or behaviors.
- Initiated a review of and selected bucket truck self-rescue devices to be rolled out in 2025.
- Completed various contractor safety assessments and audits to identify potential risk areas.
- Introduced mitigation efforts to reduce high energy hazards and Serious Injury & Fatality (SIF) events.
- Expanded the use of athletic trainers across all three operating companies.
- Introduced and expanded AEDs within select frontline worker vehicles.
- Revised job brief forms to enhance hazard identification and mitigation.
- Updated the written Contractor Safety Program to clarify existing requirements and introduce additional safety measures for our business partners.

### 2024 EMPLOYEE SAFETY

| | LKE | PPL Electric | PPL Services | RIE | TOTAL |
|---|---|---|---|---|---|
| Total Hours Worked | 5,240,367 | 3,283,267 | 2,057,854 | 2,595,214 | 13,176,702 |
| Number of lost-day cases | 12 | 5 | 0 | 18 | 35 |
| Lost-Time Incident Rate | 0.46 | 0.30 | 0.0 | 1.39 | 0.53 |
| Recordable Incident Rate | 1.45 | 1.28 | 0.0 | 2.62 | 1.41 |
| Work-related fatalities | 0 | 0 | 0 | 0 | 0 |

## Safety programs

Our ultimate goal is to ensure that everyone remains safe and healthy at home and on the job.

***Components of our program include:***

- **Hazard assessment and mitigation** – Aggressively identify, assess and mitigate hazards of all types before they cause injuries.
- **Incident investigation and reporting** – Perform a root-cause analysis and meaningful investigation and report after the failure of any safety or health control that results in an incident or a near-miss/close call.
- **Employee involvement** – Capitalize on the company's most valuable resource, employees, by actively creating and facilitating opportunities to become involved in loss-prevention efforts. PPL has voluntary employee safety committees across the company in virtually every business unit that plan and execute safety improvement activities. These committees, with representatives from from the field, back office and management, communicate safety messages to employees and hold regular safety meetings. In addition, collective bargaining agreements contain language that references the need for a strong health and safety advisory committee.
- **Job briefings** – Ensure that employees participate in a job briefing prior to the start of any work related to natural gas or electricity operations.
- **Compliance** – Ensure that all business areas and employees comply with local, state and federal regulatory requirements.
- **Vehicle incident prevention** – Ensure employees have the resources, skills and knowledge necessary to drive safely and defensively in order to reduce the number of vehicle incidents.
- **Business partner relationships** – Foster better communication and closer working relationships between employees and business partners to strengthen the company's safety culture.

### SETTING A 15-YEAR SAFETY RECORD

Twenty-six current (and 14 now-retired) employees from Kentucky Utilities' Maysville Operations Center worked more than 750,000 hours over a span of 15 years without a lost-time injury. The last lost-time injury occurred more than 5,550 days ago in April 2009. The Electric Distribution Operations employees serve more than 46,000 customers across 12 Kentucky counties.

The achievement showcases the teamwork and dedication to safety that is required to overcome the daily hazards encountered in this field.

Keys to the group's success are employee commitment, engagement and effective communications that are deep-rooted in the Maysville Operations Center's safety culture. Safety is also very personal for the employees who work there.

- **Near-miss/close-call reporting** – Report all incidents that could have resulted in injury, so hazards can be addressed to prevent similar incidents in the future.
- **Empowerment** – Seize the freedom, responsibility and accountability for controlling and correcting unsafe work without repercussions.
- **Communication** – Foster reciprocal communication that will support safe work habits and a hazard-free environment.
- **Leadership** – Demonstrate the courage and knowledge to correct unsafe actions, ensure the safety and well-being of co-workers and promote safety as the most important thing we do.
- **Health and wellness** – Maintain and cultivate a culture of health and wellness to reduce injuries, promote preventive screenings, reduce healthcare costs and maintain a healthy workforce.

## Contractor Safety

PPL's commitment to safety encompasses our contractors, who are contractually obligated to comply with stringent safety and health requirements.

Our standard contract language includes expectations that contractors maintain current operator qualifications needed for job requirements. PPL also provides training to satisfy these qualifications, where necessary. Contractors are required to comply with all applicable laws, regulations, and industry standards.

## Community Safety

We also have a responsibility to keep our communities safe in addition to conducting our day-to-day work activities safely. We provide safety resources and conduct in-person electrical hazard awareness sessions for customers, students, first responders and contractors to ensure safe practices in our communities. Our public safety websites offer additional safety resources to help ensure safe and effective work near and around electrical facilities by all.

With use of our Live Line Electrical Safety Exhibits we conducted over 115 public safety demonstrations throughout our service territory for over 13,000 first responders, contractors and customers in 2024.

### PPL ELECTRIC SAFETY PROGRAM REACHES 10-YEAR MILESTONE

PPL Electric's safety program, which teaches children about electrical safety, celebrated its 10-year milestone in 2024.

The program has educated nearly 170,000 elementary students across PPL Electric's 29-county service territory in Pennsylvania.

It includes in-school theater presentations and supplemental digital materials like e-books and games.

Additionally, the E-Smart Kids website offers interactive resources to help children learn about electricity and safety. Visit ppl.e-smartkids.com for more information.

### 2024 CONTRACTOR SAFETY

| | LG&E and KU | PPL | RIE | CONTRACTORS (Total) |
|---|---|---|---|---|
| Total Hours Worked | 7,016,193 | 4,330,776 | 1,183,738 | 12,530,707 |
| Number of lost-day cases | 9 | 3 | 5 | 17 |
| Lost-Time Incident Rate | 0.26 | 0.14 | 0.84 | 0.27 |
| Recordable Incident Rate | 1.03 | 0.88 | 1.35 | 1.01 |
| Work-related fatalities | 0 | 0 | 0 | 0 |

## Emergency Management

PPL's corporate emergency management plan summarizes the prevention, mitigation, preparedness, response, business continuity and recovery activities that serve as the comprehensive integrated approach to establishing and maintaining an effective response to and recovery from internal or external disasters.

The ultimate goal of our emergency and disaster plans is to ensure the resiliency of the electric and gas service we provide to the communities we serve.

With a focus on safety and reliability, PPL's operating companies maintain business continuity plans and policies and procedures for responding to a variety of emergencies as required by regulatory agencies. The company conducts regular training including drills and tabletop exercises that connect employees with key stakeholders to ensure preparedness.

We work closely with public safety and emergency preparedness organizations to coordinate responses to emergency events. To help restore electric service to communities after catastrophic emergencies or significant natural events, LG&E and KU, PPL Electric and Rhode Island Energy are among the utilities that developed RESTORE, or Regional Equipment Sharing for Transmission Outage Restoration.

PPL's crews often are called upon to help restore power in other regions as part of a mutual assistance agreement. When releasing employees for assistance, the company always takes into consideration its own customers' needs and ensures it has plenty of resources available for maintenance work and emergency situations back home. The crews providing assistance represent a fraction of the people available to maintain and repair our systems.

With utilities spread across different geographic regions of the U.S., the company is able to take a OnePPL approach in addition to mutual assistance. When one of PPL's operating companies needs support, we are able to share company resources from one utility to another to assist with restorations.

Clear communication is the hallmark of our strategy that leads to successful disaster management with less confusion, and we work closely with public safety and emergency preparedness organizations to coordinate responses to emergency events.

Our emergency management plan considers:

- The response to real-world and simulated emergency scenarios and disasters.
- The recovery of time-sensitive processes in accordance with pre-established recovery time objectives.
- The restoration and ultimate return to a permanent operating environment.
- Support to existing local response plans.

The Emergency Management team conducts hazard vulnerability analysis on an annual basis to evaluate natural, man-made, technological and hazardous materials risks and vulnerabilities.

Each employee is required to complete annual training, which addresses all-hazards information for the employee based on the Corporate Emergency Management Plan and Corporate Security Plan.

# Customer experience

The PPL family of companies provides essential energy services to more than 3.6 million customers in the U.S. Through our regulated utility subsidiaries, PPL delivers electricity to customers in Kentucky, Pennsylvania, Rhode Island and Virginia; delivers natural gas to customers in Kentucky and Rhode Island; and generates electricity from power plants in Kentucky. We strive to provide the highest quality service, safely, reliably and affordably, to our customers, improving quality of life in the areas we serve.

## Customer feedback is important to us as we look to continuously improve our quality of service.

### Customer Care and Support

Customer feedback is important to us as we look to continuously improve our quality of service. PPL relies on independent market research firms to conduct periodic customer satisfaction surveys. Customer feedback is obtained through telephone and online surveys, advisory boards, focus groups, online panels, mail surveys and customer service lines. We use the results of this feedback to evaluate our service, identify customer interests and concerns, determine critical needs and offer our customers an opportunity to communicate their interests and concerns. We also measure customer satisfaction for specific transactions to ensure we are providing the best customer experience possible. In addition, we subscribe to syndicated studies, such as J.D. Power, to benchmark performance among utility peers and as another way to gain insight about our customers from an objective source.

We offer convenient customer care and support 24/7. Customers can connect with us through phone, emails, live chat, web self-service, interactive voice response and mobile apps.

**2024 CUSTOMERS**

| | LG&E-KU (Electric) | LG&E (Gas) | PPL Electric | RIE (Electric) | RIE (Gas) | TOTAL |
|---|---|---|---|---|---|---|
| Residential | 862,392 | 308,277 | 1,297,963 | 453,597 | 253,668 | 3,175,897 |
| Commercial | 151,857 | 26,900 | 188,721 | 65,861 | 25,297 | 458,636 |
| Industrial | 2,227 | 402 | 2,913 | 1,694 | 290 | 7,526 |
| Municipals/Wholesale | 3 | - | - | - | - | 3 |
| Gas Transport | - | 92 | - | - | - | 92 |
| **TOTAL** | **1,016,479** | **335,671** | **1,489,597** | **521,152** | **279,255** | **3,642,154** |

## Affordability and Assistance

Our business strategy prioritizes affordability, and we continually seek to work more efficiently by eliminating redundancies, improving processes and using more automation to minimize costs while maintaining our high level of service. PPL achieved annual O&M savings at the top end of our targeted range of $120-$130 million in 2024. The increased efficiency was driven largely by the continued deployment of smart grid technology, automation and data science. Delivering our targeted annual O&M savings helps keep energy affordable for customers.

PPL's utilities have helped connect customers to more than $43 million in energy assistance in 2024 through funds generated by employee and customer donations, state and federal programs, local agencies, foundation grants and other sources. Our customer service teams helped more than 200,000 customers across our service territories in Kentucky, Pennsylvania, Rhode Island and Virginia.

In Kentucky, **Winterhelp**, **WinterCare** and **WinterShare** are third-party heating assistance programs that provide heating assistance for the utilities' qualifying customers. The assistance offered by the programs is contributed by customers through tax-deductible donations. In addition, the companies make contributions to the programs. Both LG&E and KU have relationships with local charities, community action groups and government assistance offices to further help customers.

In Pennsylvania, Operation HELP provides financial aid to PPL Electric residential customers to help pay energy bills for low-income families with financial hardships. The program is funded jointly through contributions from PPL Electric, employees, retirees and customers. Operation HELP also supports CARES, the Customer Assistance and Referral Evaluation Service program. CARES is a special referral service for customers with temporary hardships such as illness, injury, loss of job or high medical bills.

### HELPING NEIGHBORS IN NEED

We believe in the power of community and the importance of lending a helping hand to our neighbors in need.

In addition to the many assistance programs that directly serve the utilities' customers, PPL's affiliated foundations made contributions to nonprofit partners to further support energy assistance for neighbors in need.

In Kentucky, the LG&E and KU Foundation provided a $75,000 contribution to support more access to assistance funds for community members who may be struggling to pay their bills.

The PPL Foundation provided $400,000 to support energy assistance funds in Pennsylvania and Rhode Island. These funds provide a vital resource for those facing financial hardship, particularly when it comes to managing energy costs.

Additionally in Pennsylvania, OnTrack is a special payment plan for PPL Electric's low-income customers that offers reduced monthly payments, debt forgiveness and referrals to other assistance programs. It is funded through residential customer rates.

In Rhode Island, the Good Neighbor Energy Fund provides assistance to households unable to meet an energy expense due to financial difficulty. Administered by the United Way of Rhode Island, the program is a cooperative effort funded by sponsoring energy companies and their foundations, their employees and other donors. In 2024, the PPL Foundation provided financial support for the development of the Good Neighbor Energy Fund in Pennsylvania to provide similar assistance.

All of PPL's utilities support the Low Income Home Energy Assistance Program (LIHEAP), a federal program that assists eligible low-income households with their heating and cooling energy costs, bill payment assistance, energy crisis assistance, weatherization and energy-related home repairs. In 2024, total LIHEAP assistance for PPL customers was nearly $39 million.

*Energy savings*

**WeCare** (Weatherization, Conservation Advice and Recycling Energy) is designed to create savings through weatherization and energy education to help LG&E and KU income-eligible customers in need. The onsite Home Energy Analysis program provides a certified energy analyst to assess a home's energy efficiency and identify ways participants can reduce their energy use. Financial incentives are available to eligible customers who act to make their homes more energy efficient as a result of the onsite analysis.

**WRAP** – PPL Electric's Winter Relief Assistance Program – helps customers with limited incomes reduce their home energy use and lower their electric bills. WRAP provides energy education and energy-saving measures for customers, when applicable. All measures and services are free.

*Language assistance*

Our utilities provide live call translation that allows customer representatives to conference in a translator for customers who would prefer to conduct business in their native language instead of English.

## OFFERING CUSTOMERS CONVENIENCE AND CARE

Rhode Island Energy's Customer Advocate team partners with various state agencies to host regular Customer Assistance Expos and Outreach Pop-Ups, answering questions and providing assistance to customers at various locations throughout the state.

To provide customers with a convenient "one-stop shop" of resources, the utility partners with CAPP (Community Action Partnership of Providence County), United Way (211 van), LIHEAP (Low-Income Home Energy Assistance Program), Green & Healthy Homes Initiative, Family Services of RI, and RI Food Bank, among others.

***Among the topics customers can learn about at the expos are:***

- Discount rates
- Payment plans
- Forgiveness programs
- Budget and balanced billing
- Protections
- HEAP (Home Energy Assistance Program)
- Energy-efficiency programs
- Good Neighbor Energy Fund
- CAP assistance

# Employee engagement

## Our people are working to build the utilities of the future today

PPL is powered by more than 6,600 talented, innovative employees, focused on providing safe, reliable and affordable energy to our customers. PPL, in turn, is committed to providing employees with an inclusive, healthy and engaging workplace, rich with opportunities that foster innovation and personal success.

## Fostering an exceptional workplace

PPL is committed to fostering an exceptional workplace for employees. The company enables the success of its current and future workforce by cultivating a supportive, empowering and collaborative culture, fostering professional development, encouraging employee engagement, and ensuring a safe and healthy work environment. Matters related to these priorities and corporate culture are overseen by PPL's senior management, which provides updates to PPL's Board of Directors. PPL's investment in the success of its workforce is embodied in the following areas with dedicated leadership and board oversight:

- **Total rewards** – Offers competitive benefits programs to attract and retain talent and support employees' well-being. PPL offers competitive vacation time, expanded leave for new parents, retirement programs, and internal and external development opportunities, including tuition reimbursement offerings for undergraduate and certain graduate degrees. The company conducts annual benchmarking of employee compensation and benefits.
- **Safety** – Implements programs focused on health and safety, including emergency preparedness, vehicle safety and accident prevention. Employees receive safety training and are encouraged to share, implement and follow best practices. Senior management receives monthly safety data updates to determine whether additional safety measures should be implemented. See page 43.
- **Corporate culture** – Backed by our SPIRIT values, our culture fosters a supportive, empowering and collaborative workplace culture in which employees with various backgrounds can thrive. Senior management reviews workforce metrics, culture-related objectives and associated programs semi-annually.
- **Employee engagement** – Creates a workplace that fosters an engaged, high-quality workforce. PPL's operating companies regularly conduct assessments related to employee engagement, safety and culture.
- **Professional development** – Invests in the current and future workforce through training and development, succession planning and creation of a pipeline for internal advancement.
- **Compliance** – Conducts quarterly discussions on metrics and other matters related to corporate compliance and ethics. Among the items discussed are statistics regarding Ethics Helpline reports and employee concerns.

| | Number of Employees | Women | Ethnically and Racially Diverse |
|---|---|---|---|
| LG&E-KU | 2,650 | 629 | 274 |
| PPL Electric | 1,393 | 318 | 145 |
| PPL Services | 1,340 | 521 | 282 |
| RIE | 1,270 | 281 | 182 |
| **TOTAL** | **6,653** | **1,749** | **883** |

### REPRESENTATION IN LEADERSHIP

**38%**
**Women in Leadership**

**14%**
**Ethnically and Racially Diverse Leadership**

## Workforce development

From digital technology professionals to skilled trade workers and many roles in between, our employees are creating the utilities of the future today.

Our customer-first, people driven, and technology-enabled strategy requires a workforce development strategy that maintains legacy knowledge while focusing on future talent needs.

PPL's workforce planning strategy enables the company to:

- Forecast ebbs and flows in workforce requirements.
- Determine the size and type of workforce required for future business success.
- Identify and address talent gaps and plan for future talent needs.
- Develop plans, sourcing strategies and tactics.

Workforce planning results are integrated into the business planning process. Matters related to corporate culture are overseen by PPL's senior management, which provides updates to the PPL Board of Directors.

To attract top talent, generate awareness of careers in energy and foster a love of STEM subjects (science, technology, engineering and math) among students, PPL's operating companies participate in learning opportunities for students of all ages and support strong internship and co-op programs that engage students in career-specific work experience, informational interviews, fun activities, community service opportunities and networking with employees at all levels. With nearly 200 interns annually, many of whom are hired into full-time positions, the program provides a pipeline of skilled workers in a variety of fields.

PPL participates in many outreach activities such as career fairs, leadership conferences, university leadership summits, mock interviews, resume reviews, panel discussions, career bootcamps, networking and affinity group sponsorships that are all part of our ongoing efforts to maintain PPL's position as an employer of choice. All hiring and promotion decisions are based on merit.

### 2024 EMPLOYEE DATA

| 8.3% | 91.7% | 28.9% |
|---|---|---|
| **Turnover rate** | **Retention rate** | **Internal hiring rate** |

| ~15% | ~56% | ~30% |
|---|---|---|
| **Under 30** | **30-50** | **Over 50** |

| 267,000 | 40 | 2,800 | $1.1M |
|---|---|---|---|
| **Total training hours** | **Average training hours per employee** | **Number of training courses offered annually to employees** | **Continuing education contributions** |

## Training and development

PPL is committed to creating a workplace atmosphere that rewards performance and encourages professional development. Beyond occupational training, the company offers:

- Craftworker and lineworker development programs.
- Tuition reimbursement for undergraduate and graduate degrees.
- Leadership development programs.
- Personal skills and management training courses.
- Mentoring programs.

## Craft trade apprentice and trainee programs

PPL is taking a proactive approach to expanding the talent pool for positions that will be available in the next several years due to retirements.

In addition to college co-op programs, our operating companies have various apprenticeship programs for lineworkers and electricians as well as craft workers in generation and natural gas operations.

With the average apprentice program taking more than four years to complete, this is a long-term investment in the future workforce of the company.

Students are provided real-world work experience, chances to learn about different areas of the business, and networking opportunities with employees at all levels of the organization.

Many students are able to gain hands-on knowledge about the various career paths that utilities offer while they obtain the degrees that are required for some craft worker positions.

We partner with community and technical colleges throughout our service territories in Kentucky, Pennsylvania and Rhode Island to recruit top student talent. Additionally, we work with many lineworker training schools to recruit trainees, including the Southeast Lineman Training Center.

## Human Rights

PPL is committed to operating in ways that help promote, protect and support human rights in our workforce and the communities in which we do business.

Beyond complying with federal, state and local laws and regulations applicable to human rights, PPL's Standards of Integrity and Supplier Code of Conduct provide a framework for operations that reflect these values and principles, not only for our own operating companies but for vendors and suppliers as well. The full human rights policy statement is available online.

Training on the Standards of Integrity is conducted annually to ensure every employee understands the company's commitment to and respect for human rights.

PPL engages an independent, third-party vendor to operate our EthicsHelpline, which is available 24 hours a day, seven days a week, via phone or online. Employees, suppliers, customers and other stakeholders can report a human rights or ethical concern through the EthicsHelpline, which provides anonymity, or directly to the company.

## Collective bargaining and freedom of association

PPL supports our employees' right to freedom of association as well as the right to form or join a union, bargain collectively and engage in union activities. With 37% of PPL's workforce represented by labor unions, the company's operating utilities collaborate with union leadership to enhance workplace safety, meet the growing expectations of our customers, and adapt to the challenges of rapidly changing technologies.

Among other things, employees are encouraged to participate in health and safety groups such as the safety advocate program and to join one or more business resource groups, which are employee-driven organizations formed around common experiences and perspectives.

Bargaining unit employees have access to a grievance procedure for internal dispute resolution. The grievance procedure promotes a prompt and responsible conclusion of issues raised by bargaining unit employees. Veterans represent about 5% of the company's workforce.

## Military veterans

PPL's operating companies have earned a trusted reputation among the military community as preferred employers.

In addition to supporting time off for active duty and for periodic military training, the company also supports employees who are members of a military reserve organization in the following ways:

- Pays the difference between the regular pay they would have received, if they had worked, and their government pay for up to two years for eligible employees.
- Provides benefits continuation for up to two years.
- Provides additional time off to take care of personal affairs, if necessary, before reporting for duty.
- Implements retroactively any step and merit increases that were deferred during the leave of absence.

## Business resource groups

PPL empowers our employees to form and participate in business resource groups to foster an inclusive environment and provide an opportunity for employees with common experiences and perspectives to network and engage in mentorship programs, and gather for social and cultural events.

Members are actively involved in various programs that directly impact business objectives like recruitment, employee retention and innovation. PPL's business resource groups are open to all employees.

## Support for our employees

In 2024, PPL conducted a company-wide employee engagement survey to measure employee satisfaction and gauge opportunities for improvement. More than 81% of employees participated. Strengths include a workplace culture that values safety, health, wellness, integrity and positive manager relationships. Workplace well-being, rewards and recognition, and employee engagement are areas of opportunity that will be a focus of 2025 action planning across PPL.

We are committed to providing a supportive workplace for all employees. In addition to challenging, rewarding careers and competitive salaries, PPL offers comprehensive health and wellness benefits and a total rewards package that supports and promotes work-life balance.

### Benefits

- Medical, dental and vision coverage at date of hire.
- Paid vacation, sick leave and holidays, in addition to flexible and hybrid schedules for certain positions.
- Family-friendly parental and caregiver leave, including up to six weeks of paid parental leave for eligible employees.
- Adoption and fertility reimbursement to help cover the costs of growing a family.
- A comprehensive retirement program.
- 401(k) plan that provides employer match and employer contributions (if eligible).
- Health care and dependent care reimbursement accounts.
- Health Savings Account (HSA) with employer contribution.
- Internal and external development opportunities, including tuition reimbursement offerings for undergraduate and/or graduate degrees.
- Basic life and supplemental employee and dependent life insurance.
- Long-term disability coverage.
- Lifestyle perks and discounts.

### Health and Wellness

- Employee Assistance Program including virtual and in-person mental health support services.
- Licensed clinical social worker for in-person and virtual visits.
- Tele-health medical services and physical therapy.
- Onsite primary care for many of our employees.
- Coaching/registered dietitian services.
- Chronic disease care, including Diabetes Management program.
- Tobacco cessation.
- Maternal health programs.
- Musculoskeletal program.
- Financial wellness resources.
- Healthy for Life wellness portal.

# GOVERNANCE & MANAGEMENT

# Ensuring transparency, accountability and ethical stewardship

## Governance structure and practices

An engaged, experienced and qualified board aligned with and responsive to shareowner interests ensures we continue to deliver safe, reliable, affordable and sustainable energy for our customers and long-term value for our shareowners.

PPL's Board of Directors is committed to its role in exercising independent oversight of the company's business strategies and risk management. The board's responsibilities include overseeing the company's long-term strategy and execution; risk management policies and practices; selecting the company's leaders and advising senior management.

The board's oversight also includes reviewing senior management's approach to environmental, social and governance performance. The board has designated its Governance, Nominating and Sustainability Committee (GNSC) as the body responsible for overseeing PPL's sustainability strategy. The board stays informed on these matters through regular updates from subject matter experts.

When considering board composition and nominees for director, the GNSC considers skills, expertise, background, professional experience, education and other individual characteristics, as well as a variety of attributes that contribute to the board's collective strength. Two of the board's four independent committees are led by women.

More information on our directors and board structure is provided on the governance section of the company's website, along with PPL's annual proxy statement and *Guidelines for Corporate Governance*. Additional details about the role of the board, independence of the directors, role of the independent directors (including the independent chair), and selection of directors can be found in the *Guidelines for Corporate Governance*.

### BOARD COMPOSITION

**40%**
**Percentage of women on Board of Directors**

**50%**
**Independent board committees chaired by women**

**30%**
**Percentage of ethnic and racial diversity on Board of Directors**

**9**
**Directors are independent**

### AVERAGE TENURE: 9.6 YEARS

**4**
**0-5 years**

**2**
**6-11 years**

**4**
**>12 years**

### An engaged, experienced and qualified board

**Core skills:**

- Capital Markets, Finance and Accounting
- Customer Relationships and Marketing
- Cybersecurity
- Environment and Sustainability
- Operations Experience and Safety
- Regulated Industry/Regulated Utility Experience
- Technology, Digitalization and Innovation
- Risk Management

*Based on 10 directors as of December 2024*

## Responsible Compensation

The board is committed to responsible compensation programs that support the company's strategy, culture and values over the long term. Incentive compensation for executives and employees is based on performance against financial and nonfinancial goals set by the Board of Directors through its People and Compensation Committee. Each year, the board and executive management team evaluate the company's strategy and, together with the advice of an independent compensation consultant, refine performance goals and priorities to help ensure long-term benefit to our shareowners.

### DIRECTOR COMPENSATION

The board believes that to continue to attract talent to the board, outside directors should be remunerated for their services at a level competitive with that provided by other comparable publicly traded corporations. Directors who are company employees (currently only PPL's chief executive officer) do not receive any separate compensation for service on the board of directors or its committees. Information regarding compensation of PPL's directors can be found in the 2025 Proxy Statement, beginning on page 30.

### EXECUTIVE COMPENSATION

The board has taken steps to further align with shareowners' interests including a long-term sustainability component to the long-term incentives of the executive compensation program. Information regarding PPL's executive compensation program and compensation philosophy and objectives, as well as a discussion of how executive compensation decisions affecting our named executive officers were made for 2024, are included in the "Compensation Discussion and Analysis" section of the 2025 Proxy Statement. Additional details about specific compensation of the named executive officers are included in the 2025 Proxy Statement, beginning on page 36.

### NON-EXECUTIVE COMPENSATION

PPL provides variable compensation for non-executive employees, including short-term incentives, long-term incentives and variable pay, such as bonuses, based on individual performance, company financial performance and the company's attainment of operational goals. All eligible employees receive an evaluation of their skills and performance on an annual basis, helping to strengthen the connection between pay and performance.

# Financial performance

## 2024 FINANCIAL HIGHLIGHTS

*For the years ended December 31*

| FINANCIAL | 2024 | 2023 |
|---|---|---|
| Operating revenues (millions) | **$8,462** | $8,312 |
| Net income (millions) | **$888** | $740 |
| Earnings from ongoing operations (millions) [a] | **$1,250** | $1,183 |
| Total assets (millions) | **$41,069** | $39,236 |
| Earnings per share - Diluted | **$1.20** | $1.00 |
| Earnings from ongoing operations per share – Diluted [a] | **$1.69** | $1.60 |
| Book value per share [b] | **$19.07** | $18.90 |
| Market price per share | **$32.46** | $27.10 |
| Market price/book value ratio | **170%** | 143% |

| OPERATING – ELECTRICITY SALES (GWh) [c] | | |
|---|---|---|
| Retail delivered | **66,103** | 63,982 |
| Wholesale supplied [d] | **617** | 531 |

*(a) Management utilizes "Earnings from Ongoing Operations" or "Ongoing Earnings" as a non-GAAP financial measure that should not be considered as an alternative to reported earnings, or net income, an indicator of operating performance determined in accordance with GAAP. PPL believes that Earnings from Ongoing Operations is useful and meaningful to investors because it provides management's view of PPL's earnings performance as another criterion in making investment decisions. In addition, PPL's management uses Earnings from Ongoing Operations in measuring achievement of certain corporate performance goals, including targets for certain executive incentive compensation. Other companies may use different measures to present financial performance. Earnings from Ongoing Operations is adjusted for the impact of special items. Special items are presented in the financial tables on an after-tax basis with the related income taxes on special items separately disclosed. Income taxes on special items, when applicable, are calculated based on the statutory tax rate of the entity where the activity is recorded.*

*(b) Based on 738,033 and 737,130 shares of common stock outstanding (in thousands) at December 31, 2024, and December 31, 2023.*

*(c) Excludes the Rhode Island Regulated segment electricity sales as revenues are decoupled from volumes delivered.*

*(d) Represents FERC-regulated municipal and unregulated off-system sales.*

# Enterprise Risk Management

PPL maintains a robust enterprise risk management process that provides a business portfolio view of material risks that may impact the achievement of PPL's business strategy. As part of the enterprise risk management process, representatives from PPL's operating companies and service groups identify, assess, monitor and report ongoing and emerging risks, including climate-related and broader environmental, social and governance risks. The company's Risk Management group oversees this process, reviews it with company executive leadership and reports quarterly to the Audit Committee of the Board of Directors.

## Business Continuity and Crisis Response Planning

PPL has a Corporate Crisis Plan to ensure the company is prepared to respond quickly in the event of a corporate-level crisis; to protect the public, environment, employees, facilities and operations; to mitigate impacts; to define roles for response and recovery; and to establish internal and external communications protocols.

The plan establishes the PPL Executive Crisis Team, which sets policy, directs crisis preparedness by the company's various business lines and operations, assesses and directs the provision of corporate-level resources and coordinates activities with regional company locations in the event of a major crisis.

The standing members of the Executive Crisis Team are the president and chief executive officer; the chief legal officer; the chief financial officer; the chief human resources officer; the chief technology and innovation officer; the chief operating officer; the chief security officer; the vice president-Public Affairs and Sustainability; operating company presidents; the vice president-Corporate Communications; and the senior director and chief physical security officer. Additional members can be added to the Executive Crisis Team as needed, depending on the situation.

The team maintains various crisis planning scenarios and robust notification tools and procedures. In addition, it conducts periodic plan exercises, refining protocols after each event.

### EMERGENCY PLANNING IS PUT TO TEST DURING WILDFIRE

Being prepared to respond to emergencies at a moment's notice is a hallmark of the electric utility industry. This is evident in our company's response to severe storms and other emergencies.

When a brush fire unrelated to any PPL equipment or facilities ignited on the afternoon of Saturday, Nov. 2, on Blue Mountain in Lehigh Township, PPL Electric's incident command immediately responded in accordance with its wildfire mitigation plan. While there was no imminent danger to PPL Electric equipment or facilities, we maintained a 24/7 incident command presence with emergency management officials. Crews were available at all times to assist with any switching, leadership was on site at incident command and meetings were held twice daily to keep a cross-functional team updated on relevant developments.

When emergency response personnel requested a service interruption for nine customers so they could safely work to contain the fire, PPL Electric maintained clear communication with affected customers. Once it was safe to do so, service was restored later that evening.

These quick and effective actions are a direct result of careful emergency planning and testing those plans repeatedly. PPL Electric completed its wildfire emergency response plan and held a company-wide drill in the summer. While wildfire risks are generally low across most of the areas we serve, we take nothing for granted and implemented wildfire mitigation plans at all of our utilities.

# Cybersecurity and grid protection

The physical and cybersecurity of the electric grid and natural gas systems is critical to reliably meet the nation's energy needs and preserve national security.

PPL's strategy for managing cyber-related risks is risk-based and, where appropriate, integrated within PPL's enterprise risk management processes. PPL's chief security officer, who reports directly to the chief technology and innovation officer, is responsible for establishing, implementing and executing PPL's cyber-risk management strategy and program, which includes governance processes for the oversight of cybersecurity risk management. These governance processes include quarterly corporate leadership council reviews of key initiatives, cyber risk metrics and potential threats.

Cybersecurity and the effectiveness of PPL's cybersecurity strategy are integral and regular topics of discussion at board meetings.

*PPL's cybersecurity strategy includes:*

- Actively monitoring company systems.
- Regularly reviewing and updating security standards, policies and procedures based on the threat landscape and industry best practices.
- Conducting incident response and tabletop exercises for cyber resiliency.
- Security awareness and training to improve user behavior and security hygiene, including ethical phishing campaigns.
- Leveraging industry-leading experts to perform risk assessments to learn and improve our protective measures and safeguards.
- Routinely participating in industry-wide programs to further information sharing, intelligence gathering and unity of effort in mitigating and responding to potential or actual attacks.
- Conducting quarterly Corporate Security Council meetings to review and understand risks and direct actions to continually improve PPL's security posture and mitigate cyber risks.

Our cybersecurity strategy is aligned with and informed by the following:

- Electricity Information Sharing and Analysis Center.
- Cybersecurity Risk Information Sharing Program.
- Electricity Sub-Sector Coordinating Council.
- Edison Electric Institute's cybersecurity and resiliency efforts.
- Federal Energy Regulatory Commission.
- North American Electric Reliability Corporation.
- Transportation Safety Administration Security Directives for Gas Operations.
- National Institute of Standards and Technology Cybersecurity Framework.
- Department of Homeland Security Cybersecurity Infrastructure Security Agency.

Our workforce serves as an essential line of defense for the protection of our systems and assets. Maintaining a culture of security is one way to help us prepare for and be able to detect and respond to cyberattacks.

We reinforce a culture of security by conducting annual security awareness training, maintaining a progressive ethical phishing program to educate and test our employees' ability to spot and report malicious emails, and conducting incident response exercises with senior leadership and their supporting staffs to better prepare ourselves should PPL be impacted by a significant cyberattack.

## Data protection and privacy

Our companies take privacy and protection of customer information seriously and have rigorous controls in place to protect customer information and properly regulate its use.

- Information collected is limited to what is necessary to provide requested services.
- Only authorized employees and organizations hired to provide services have access to customer information, and access is limited to what is needed for their respective roles.
- Our systems are routinely monitored for security and vulnerabilities to safeguard information, including customer data.
- Employees and contractors are required to take annual security awareness training (information protection is one of many topics covered by the training), which includes guidelines for protecting customer information.
- Contractors performing work on our companies' behalf must confirm they understand and agree to abide by their obligations to protect PPL information.
- Customer information is never shared without permission, unless required by law.
- We comply with all laws regarding the safeguarding of the personally identifiable information of our customers.

## Physical resiliency

A reliable and secure power grid is built to withstand and recover quickly from disruptions.

We have made – and continue to make – significant investments to strengthen our security protections and enhance grid reliability and resiliency.

Continuous evaluation of risks and threats through collaboration with industry partners as well as with federal, state and local officials help develop the strategy deployed to protect our assets.

Our implementation of "defense in depth" and layered protection strategies helps PPL develop a secure and robust approach to deter, delay, detect, deny, respond to and recover from risks and threats to the organization and our assets.

Crisis management plans are also critical to resiliency and timely restoration of service. Testing those plans regularly is essential. PPL conducts a variety of exercises and drills to help test our incident protocols and critical functions and identify areas for improvement, including NERC's biennial GridEx that simulates both physical and cyber-attack scenarios.

Additionally, PPL invests in new power lines, substations and smart technologies to continue to strengthen the resiliency of the power grid.

# Supply chain management

**$3.7 billion**

**Total corporate spend on goods and services**

**$1.5 billion**

**Total corporate spend on locally based suppliers**

**$399 million**

**Total corporate spend on diverse suppliers**

PPL's Supply Chain organization negotiates and secures contracts to procure materials, labor and services necessary to support the business and infrastructure investment. Our ongoing partnerships with a broad coalition of suppliers ensures we are able to get the right product and service, at the right time, at the right price.

PPL's operating companies require suppliers to observe our high standards of business ethics and professional and personal integrity when bidding or providing materials or services to PPL.

The company's enterprise-wide *Supplier Code of Conduct*, which applies to anyone supplying goods or services to PPL, includes guidelines on a variety of topics including corruption, ethics and cybersecurity. We also expect our suppliers to extend these standards to their own supply chains with respect to goods and services provided to us.

Accordingly, PPL reviews the safety and environmental performance of its business partners and incorporates compliance requirements in purchase orders and contracts.

PPL is a member of the Sustainable Supply Chain Alliance (SSCA), an organization of utilities and suppliers working together to advance sustainability best practices in utility supply chain activities and supplier networks. We utilize SSCA's sustainability project supplier survey to gather data from our suppliers.

To expand and fortify our diversified network of qualified suppliers and vendors, PPL and its operating companies host and participate in supplier networking events and serve as active members of various business development councils.

# Ethics and compliance

To fulfill our obligation to shareowners and all others who have a stake in PPL's business and the communities we serve, we (and our contractors) must adhere to high ethical standards, work safely and responsibly, and comply with both the spirit and the letter of all laws and regulations that govern our business. We recognize that to do otherwise would be costly to our company – not just financially, but also in terms of the strong reputation built by generations of PPL employees.

PPL has established a compliance and ethics program that is founded upon PPL's *Standards of Integrity*. The *Standards of Integrity*, along with our *Vision and Values*, define the way that we conduct our business. They apply in all situations, at all times, guiding the decisions we make and the actions we take.

## COMPLIANCE AND ETHICS GOVERNANCE

### AUDIT COMMITTEE, BOARD OF DIRECTORS

Provides high-level oversight of the compliance and ethics program, which applies to PPL and all of its subsidiaries.

### VICE PRESIDENT-CORPORATE AUDIT AND CHIEF COMPLIANCE OFFICER

Has overall responsibility for PPL's compliance and ethics program and chairs the Corporate Compliance Committee.

### CORPORATE COMPLIANCE COMMITTEE

Serves as an integral part of PPL's enterprise-wide compliance and ethics governance structure and a key component of the compliance and ethics program.

### COMPLIANCE WORKING GROUP

Identifies, evaluates and assesses existing and emerging compliance risks and potential issues with existing programs.

### INVESTIGATION WORKING GROUP

Reviews investigation reports of all significant investigations by PPL and its subsidiaries. The group's membership consists of key personnel representing the compliance, audit, human resources and legal functions.

## Working with integrity

PPL is committed to strong governance practices and high ethical standards. Directors and all PPL officers are always expected to act ethically and adhere to the policies set forth in the *Standards of Integrity*. Every member of the Board of Directors receives a copy of the *Standards of Integrity*. It is the responsibility of each director to advise the corporate secretary of any actual or potential conflict of interest, and any affiliation with public or privately held enterprises, including for-profit and nonprofit entities that may create a potential conflict of interest to the company or inconsistency with applicable laws, company policies or values.

Every employee is expected to read, understand and comply with the *Standards of Integrity* and associated company policies. In addition, employees are expected to report any compliance or ethics concerns to their immediate supervisors or via another appropriate reporting mechanism, including anonymous reporting mechanisms that are available and publicized to employees. PPL takes any instance of noncompliance seriously. Failure to obey laws and regulations or violations of company policies may result in employee discipline to the extent permissible under applicable law, up to and including termination.

Employees receive annual training on the *Standards of Integrity*. As part of the training, every employee is required to certify that he or she understands the expectation to report misconduct and understands that PPL will not tolerate any form of retaliation for any report made in good faith. All training is tracked, recorded and reported to executive leadership. Targeted communications on key compliance and ethics topics are also issued as needed.

## Reporting and Handling of Violations

Employees are expected to ask questions or raise concerns about the application or interpretation of the *Standards of Integrity*.

The company does not discriminate against or tolerate any form of retaliation toward employees who ask questions or raise concerns in good faith, and provides an “EthicsHelpline” for confidential and, if desired, anonymous reporting of concerns. PPL’s EthicsHelpline toll-free phone number and internet site are available 24 hours a day, seven days a week. The EthicsHelpline, which is managed by an external vendor to promote confidence in confidentiality, is also accessible on the internet. In addition to employees, suppliers, customers and other external parties can use the EthicsHelpline to report concerns.

Guidelines are in place for promptly responding to allegations of misconduct and include notifying the vice president and chief compliance officer of the allegations. Issues and trends are identified and reported to the Audit Committee of the Board of Directors. Allegations are handled and reported to the Audit Committee each quarter, with the most serious allegations being reported on an expedited basis to the chair of the Audit Committee as soon as reasonably practicable after initial intake discussions.

# Public Policy Engagement

Laws and policies enacted at the federal, state and local levels can have a significant impact on PPL and our customers, employees and shareowners. PPL actively encourages public policy that furthers our ability to provide energy safely, reliably, affordably and sustainably for our customers and communities, and supports our growth and innovation in ways that benefit our company and our stakeholders.

Our active participation in the public policy arena helps to ensure that public officials are kept informed of key issues that affect the interests of our stakeholders.

PPL's Public Affairs department is in regular communication with executive leadership and provides an annual report to the board on key issues and advocacy positions, with periodic updates as key issues arise. Additionally, on an annual basis, the board's Governance, Nominating and Sustainability Committee receives a report of corporate political contributions.

It is our goal to avoid even the appearance of improperly influencing others. We offer no gifts or entertainment to government employees within or outside the United States without approval from a company attorney. We comply with applicable laws and several PPL policies guide our actions related to political activities, public officials interactions and anti-bribery/anti-corruption practices. Details regarding PPL's approach to public policy engagement, including compliance, trade association membership, political action committees and contributions to certain tax-exempt organizations are available on the company's website.

The company's transparent reporting and oversight has earned a top ranking as a trendsetter by the CPA-Zicklin Index, which benchmarks the political disclosure and accountability policies and practices of leading U.S. public companies.

97.1
(OUT OF 100)

**Ranking as Trendsetter in Political Disclosure and Accountability by the CPA-Zicklin Index**

$1.5M

**Total spent on corporate political activity**

## Legislative and Policy Priorities

PPL actively monitors and engages in a broad array of federal and state policy issues that could impact our customers, employees and shareowners.

**Affordability**
PPL advocates for federal resources like the Low-Income Home Energy Assistance Program (LIHEAP) to support customers in need. In addition to direct bill assistance, we support energy efficiency, weatherization and other programs to help reduce energy use and lower costs. These efforts aim to provide customers with a range of options to manage their energy expenses.

**Resource Adequacy**
Ensuring that there is sufficient electricity generation to meet rising demand is key to providing our customers with access to safe, reliable and reasonably priced electricity. With electrification and data centers projected to drive significant increases in demand, with additional and substantial power plant retirements forecast, and with market forces failing to bring new generation capacity online fast enough, PPL supports policies that will meaningfully address resource adequacy issues and allow regulated electric utilities to invest in generation resources, up to and including owning and operating generation resources again.

**Federal Energy Tax Credits**
PPL is committed to advocating for the preservation or modification of federal tax credits that enhance energy security and sustainability. We support credits that directly benefit our customers by improving grid reliability and keeping energy costs as low as possible. A strategic approach to these credits will ensure continued support for vital projects that benefit both our customers and the environment.

**Pro-Investment**
PPL supports policies that promote a healthy business environment, including tax policies that consider the unique utility business model. Stable federal tax policies help us maintain financial strength, invest in grid modernization and keep customer rates predictable. Pro-growth policies also foster economic development and attract businesses, supporting the prosperity of the communities we serve.

**Environmental Regulations**
PPL supports environmental regulations that balance energy reliability, affordability and sustainability. We advocate for policies that allow for effective management of our resource portfolio and consider technological, economic and regulatory dynamics. The right policies will enable PPL to continue providing reliable, affordable energy in a sustainable manner.

**Innovation**
PPL actively invests in research and development and advocates for strong federal support for emerging energy technologies. We partner with the Department of Energy and research organizations to advance next-generation energy solutions. Increased R&D funding for nuclear, carbon capture and long-duration storage is critical for meeting future energy demands and improving resource adequacy.

**Natural Gas**
Natural gas is vital for grid reliability and meeting growing electricity demand, especially as we integrate more renewable energy. It offers lower carbon emissions and can optimize intermittent renewables, supporting grid stability and flexibility. PPL advocates for policies that ensure natural gas remains a reliable, scalable energy source for the future.

**Permitting and Siting Reform**
PPL supports policies that streamline permitting and siting processes while ensuring strong environmental protections. Efficient federal permitting is essential to accelerate infrastructure development and enhance grid security. These reforms will help deliver the diverse energy resources needed for a sustainable future.

**Physical Security and Cybersecurity**
PPL supports risk-based rules that balance security, efficiency and customer costs while enabling new grid technologies. We advocate for a government-industry partnership to improve resilience against evolving physical and cybersecurity threats. Effective protection of the energy grid is essential for the safety and reliability of the energy system.

**Grid Resilience**
Reliable, resilient energy networks are essential to withstand extreme weather, ensure affordability and meet customer needs. PPL supports federal policies that incentivize infrastructure investments and drive innovation to build a future-ready energy system.

**Pipeline Safety**
PPL advocates for clear, achievable rules that allow pipeline operators to safely maintain natural gas infrastructure. Safe and reliable pipeline operations are crucial for meeting energy demands and ensuring service to our customers. These regulations should promote both safety and efficiency in natural gas transportation.

**Transmission**
PPL works with FERC to promote efficient transmission planning, interconnection processes and regional expansion. We support policies that consider regional differences and ensure continued grid reliability. Ensuring efficient and reliable transmission infrastructure is key to meeting future energy needs.

**Supply Chain**
Inability to procure critical grid components, such as transformers and natural gas turbines cold impact grid security and infrastructure development. These challenges may delay timely investments in grid modernization and expansion, hindering our ability to meet growing energy demand. PPL advocates for federal policies that strengthen domestic supply chains, ensuring the reliable and efficient development of energy infrastructure.


# APPENDIX

# Voluntary Disclosure Index

PPL's annual sustainability report has been prepared in accordance with the following voluntary frameworks and initiatives: the Global Reporting Initiative (GRI) Universal Standards, including electric utility sector specific indicators; the EEI-AGA Sustainability Template; the Global Reporting Initiative (GRI) Universal Standards, including electric utility sector specific indicators, the Sustainability Accounting Standards Board (SASB) Standard for electric and gas utilities and the Task Force for Climate-related Financial Disclosure (TCFD), the CDP Questionnaire and the United Nations Sustainable Development Goals (UNSDGs). These disclosures are meant to assist our investors, customers, business partners and other stakeholders in obtaining standardized disclosures. Unless otherwise noted, this document covers all of PPL Corporation (NYSE: PPL) and its subsidiaries, and all quantitative data covers the period from January 1 to December 31, 2024. (links to each disclosure will be added once formatted)

## Global Reporting Initiative - Universal Standards

| GRI STANDARD # | STANDARD DESCRIPTION | PPL RESPONSE |
|---|---|---|
| 2-1 | Organizational details | PPL at a glance<br>Our companies<br>Performance data |
| 2-2 | Entities included in the organization's sustainability reporting | Our companies |
| 2-3 | Reporting period, frequency and contact point | PPL's 2024 Corporate Sustainability Report is developed on an annual basis for calendar year 2024 and was published April 2025. Any questions regarding the report can be directed to community@pplweb.com. |
| 2-4 | Restatements of information | PPL had no significant restatements to report in 2024. |
| 2-5 | External Assurance | External assurances for this report have not been conducted. |
| 2-6 | Activities, value chain, and other business relationships | PPL at a glance<br>Our companies<br>Supply chain management |
| 2-7 | Employees | Our employees |
| 2-8 | Workers who are not employees | PPL does not disclose data on contracted employees. |
| 2-9 | Governance structure and composition | Corporate Governance Structure |
| 2-10 | Nomination and selection of the highest governance body | 2025 Proxy Statement pages 26-27 |
| 2-11 | Chair of highest governance body | 2025 Proxy Statement page 19 |
| 2-12 | Role of the highest governance body in overseeing the management of impacts | Governance and management |
| 2-13 | Delegation of the responsibility for managing impacts | Governance and management |
| 2-14 | Role of the highest governance body in sustainability reporting | Governance and management<br>Sustainability governance |
| 2-15 | Conflicts of interest | PPL Corporation's Independence Guidelines |

| GRI STANDARD # | STANDARD DESCRIPTION | PPL RESPONSE |
|---|---|---|
| 2-16 | Communication of critical concerns | Anyone wishing to make their concern known to PPL's board, its independent chair, any board member, or the independent directors as a group, may do so by writing to such person or persons in care of the Corporate Secretary's Office at PPL Corporation, 645 Hamilton Street, Allentown, PA 18101. |
| 2-17 | Collective knowledge of the highest governance body | Board Composition |
| 2-18 | Evaluation of the performance of the highest governance body | 2025 Proxy Statement pages 19-20 |
| 2-19 | Renumeration policies | 2025 Proxy Statement page 25 |
| 2-20 | Process to determine remuneration | 2025 Proxy Statement page 25 |
| 2-21 | Annual total compensation ratio | 2025 Proxy Statement page 78 |
| 2-22 | Statement on sustainable development strategy | Our sustainability strategy |
| 2-23 | Policy commitments | Legislative and policy positions |
| 2-25 | Process to remediate negative impacts | Ethics and compliance |
| 2-26 | Mechanisms for seeking advice and raising concerns | Ethics and compliance |
| 2-27 | Compliance with laws and regulations | Ethics and compliance |
| 2-28 | Membership associations | Public policy engagement |
| 2-29 | Approach to stakeholder engagement | Stakeholder engagement<br>Energy equity, environmental justice and a just transition |
| 2-30 | Collective bargaining agreements | Collective bargaining |
| | Disclosure on material topics | Our sustainability priorities |
| 3-1 | Process to determine material topics | Our sustainability priorities |
| 3-2 | List of material topics | Our sustainability priorities |
| 3-3 | Management of material topics | Sustainability governance |
| 201-1 | Direct economic value | 2024 Form 10-K |
| 201-2 | Financial implications and other risks and opportunities for the organization’s activities due to climate change | Risks and opportunities |
| 201-3 | Coverage of the organization’s defined benefit plan obligations | 2024 Form 10-K |
| 202-1 | Ratios of standard entry-level wage by gender compared to local minimum wage | PPL’s companies seek to provide work hours, wages and benefits in compliance with all applicable laws, including regulations related to stable scheduling and work hours. |
| 202-2 | Proportion of senior management hired from the local community | Hiring and promotion is based on merit, not whether a candidate is from a particular locality. |

| GRI STANDARD # | STANDARD DESCRIPTION | PPL RESPONSE |
|---|---|---|
| 203-1 | Infrastructure investments and services supported | Grid modernization<br>Research and development |
| 203-2 | Significant indirect economic impacts | Economic development<br>Customer assistance<br>Charitable giving |
| 204-1 | Proportion of spending on local suppliers | Supply chain management |
| 205-1 | Operations assessed for risks relate to corruption | All business units are subject to anti-corruption risks analysis. |
| 205-2 | Communication and training on anti-corruption policies and procedures | All employees receive regular anti-corruption training as well as training on a variety of important policies and procedures. PPL's *Standards of Integrity*, which highlights certain key policies and procedures, can be accessed online at any time. |
| 205-3 | Confirmed incidents of corruption and actions taken | PPL does not publicly disclose this information. |
| 206-1 | Total number of legal actions for anti-competitive behavior, anti-trust and monopoly practices and their outcomes. | PPL does not publicly disclose this information. |
| 207-1 | Approach to tax | Taxes are discussed throughout the 2024 Form 10-K. See note 6 beginning on page 115. |
| 207-2 | Tax governance, control and risk management | Taxes are discussed throughout the 2024 Form 10-K. See note 6 beginning on page 115. |
| 207-3 | Stakeholder engagement and management of concerns related to tax | Taxes are discussed throughout the 2024 Form 10-K. See Note 6 beginning on page 115. |
| 301-1 | Materials used by weight or volume | Fuel consumption<br>Waste management<br>Water use and management |
| 301-2 | Recycled input material used | We continue to investigate opportunities to incorporate recycled fuels in our operations. |
| 302-1 | Energy consumption within the organization | Energy consumption and output |
| 302-2 | Energy consumption outside the organization | Energy consumption and output |
| 302-3 | Energy intensity | Carbon intensity |
| 302-4 | Reduction of energy consumption | Energy efficiency |
| 302-5 | Reductions in energy requirements of products and services | Energy efficiency |
| 303-1 | Interactions with water as a shared resource | Water use and management |
| 303-2 | Management of water discharge-related impacts | Water use and management |
| 303-3 | Water withdrawal | Water use and management |

| GRI STANDARD # | STANDARD DESCRIPTION | PPL RESPONSE |
|---|---|---|
| 303-4 | Water discharge | Water use and management |
| 303-5 | Water consumption | Water use and management |
| 304-1 | Operational sites owned, leased, managed in or adjacent to protected areas and areas of high biodiversity value outside protected areas | Biodiversity |
| 304-2 | Significant impacts of activities, products and services on biodiversity | Biodiversity |
| 304-3 | Habitats protected or restored | Biodiversity |
| 304-4 | IUCN Red List species and national conservation lists species with habitats in areas affected by operations | Biodiversity |
| 305-1 | Direct greenhouse gas (GHG) emissions (Scope 1) | Net-zero goal related emissions |
| 305-2 | Energy indirect greenhouse gas (GHG) emissions (Scope 2) | Net-zero goal related emissions |
| 305-3 | Other indirect greenhouse gas (GHG) emissions (Scope 3) | Net-zero goal related emissions<br>Other $CO_2e$ Emissions |
| 305-4 | Greenhouse gas (GHG) emissions intensity | Carbon intensity |
| 305-5 | Reduction of greenhouse (GHG) emissions | Net-zero goal related emissions<br>Enabling clean energy resources |
| 305-6 | Emissions of ozone-depleting substances (ODS) | This is not material to PPL. |
| 305-7 | NOx, SOx, and other significant air emissions | Air emissions |
| 306-1 | Waste generation and significant waste-related impacts | Waste management |
| 306-2 | Management of significant waste-related impacts | Waste management |
| 306-3 | Waste generated | Waste management |
| 306-4 | Waste diverted from disposal | Waste management |
| 306-5 | Waste directed to disposal | Waste management |
| 308-1 | New suppliers that were screened using environmental criteria | Supplier Code of Conduct |
| 308-2 | Negative environmental impacts in the supply chain and actions taken | Supplier Code of Conduct |
| 401-1 | New employee hires and employee turnover | Workforce planning |
| 401-2 | Benefits provided to full-time employees that are not provided to temporary or part-time employees | Benefits |

| GRI STANDARD # | STANDARD DESCRIPTION | PPL RESPONSE |
|---|---|---|
| 401-3 | Parental leave | PPL offers family-friendly parental and caregiver leave, including financial assistance for adoption and more flexibility with sick time, allowing employees to tend to family members or aging parents if the need arises. Eligible employees can take up to six consecutive weeks of paid leave following the birth or adoption of a child. In 2024, a total of 30 women and 171 men used parental leave. A total of 195 employees returned to work, resulting in a 97% retention rate. |
| 402-1 | Minimum notice periods regarding operational changes | Notice periods vary by collective bargaining agreement. We comply with applicable laws, regulations and collective bargaining agreements. |
| 403-1 | Occupational health and safety management system | Safety programs |
| 403-2 | Hazard identification, risk assessment, and incident investigation | Safety |
| 403-3 | Occupational health services | Safety |
| 403-4 | Worker participation, consultation, and communication on occupational health and safety | Safety programs |
| 403-5 | Worker training on occupational health and safety | Safety programs |
| 403-6 | Promotion of worker health | Safety |
| 403-7 | Prevention and mitigation of occupational health and safety impacts directly linked by business relationships | Safety |
| 403-8 | Workers covered by an occupational health and safety management system | Safety |
| 403-9 | Work-related injuries | Safety |
| 403-10 | Work-related ill health | Safety |
| 404-1 | Average hours of training per year per employee | Training and development |
| 404-2 | Programs for upgrading skills and transition assistance programs | Training and development |
| 404-3 | Percentage of employees receiving regular performance and career development reviews | PPL's expectations are that all eligible employees receive an evaluation of their skills and performance on an annual basis. The company's business units have formal performance appraisal processes that cover 100% of eligible active, full-time and part-time employees. |
| 405-1 | Diversity of governance bodies and employees | Board composition<br>Our employees |
| 407-1 | Operations and suppliers identified in which the right to freedom of association and collective bargaining may be at risk | No risks to, or violations of, the right to freedom of association or the right to form or join a union, bargain collectively, or engage in union activities were identified. Nearly half of PPL's workforce is represented by a labor union and the company's operating utilities collaborate with union leadership to enhance workplace safety, meet the growing expectations of our customers, and adapt to the challenges of rapidly changing technologies. |

| GRI STANDARD # | STANDARD DESCRIPTION | PPL RESPONSE |
|---|---|---|
| 408-1 | Operations and suppliers at significant risk for incidents of child labor | None. We comply with applicable laws, rules and regulations wherever we operate. |
| 409-1 | Operations and suppliers at significant risk for incidents of forced or compulsory labor | None. We comply with applicable laws, rules and regulations wherever we operate. |
| 410-1 | Security personnel trained in human rights policies or procedures | All domestic Corporate Security personnel complete corporate standards of integrity training on an annual basis. Additionally, all domestic Corporate Security personnel complete a training program on indicators and response to workplace violence events at least bi-annually. All contract security personnel working domestically complete training programs on ethics and conduct and cultural diversity administered by their employer. |
| 413-1 | Operations with local community engagement, impact assessments and development programs | 100% of PPL's operations have programs for local community engagement.<br><br>Stakeholder engagement<br>Customer assistance<br>Community support<br>Economic development<br>Energy equity, environmental justice and just transition |
| 414-1 | New suppliers that were screened using social criteria | Supplier Code of Conduct |
| 414-2 | Negative social impacts in the supply chain and actions taken | Supplier Code of Conduct |
| 415-1 | Political contributions | Public Policy Engagement |
| 416-1 | Assessment of health and safety impacts of product and service categories | Safety |
| 416-2 | Incidents of non-compliance concerning the health and safety impacts of products and services | PPL does not publicly disclose this information. |
| 417-1 | Requirements for product and service information and labeling | Electric and natural gas service cannot be labeled. We provide regular and detailed safety information to customers via bill inserts, public service announcements, presentations, social media and the company's websites. |
| 417-3 | Incidents of non-compliance concerning marketing communications | PPL does not publicly disclose this information. |
| 418-1 | Substantiated complaints concerning breaches of customer privacy and losses of customer data | PPL does not publicly disclose this information. |

## Global Reporting Initiative - Electric Utilities Sector Disclosure

| GRI STANDARD # | STANDARD DESCRIPTION | PPL RESPONSE |
|---|---|---|
| EU1 | Installed capacity, broken down by primary energy source and regulatory regime | Installed capacity |
| EU2 | Net energy output broken down by primary energy source and regulatory regime | Energy consumption and output |
| EU3 | Number of residential, industrial, institutional and commercial accounts | Customer experience |
| EU4 | Length of above and underground transmission and distribution | PPL at a glance |
| EU5 | Allocation of $CO_2$ emissions allowances, or equivalent, broken down by carbon trading framework | None. |
| G4-DMA Availability & Reliability | Management approach to ensure short- and long-term electricity availability and reliability | PPL addresses availability and reliability in our integrated resource plans that are submitted to regulatory agencies.<br>2024 Form 10-K. |
| EU10 | Planned capacity against projected electricity demand over the long term, broken down by energy source and regulatory regime | Forecast demand for LG&E and KU is 6,115 MW, and LG&E and KU generation capacity is currently 7,585 MW, providing a 24% reserve margin. |
| G4-DMA Demand Side Management | Demand-side management programs including residential, commercial, institutional and industrial programs | Where applicable, PPL addresses planned capacity and projected demand in integrated resource plans that are submitted to regulatory agencies.<br>Energy efficiency |
| G4-DMA Research & Development | Research and development activity and expenditure aimed at providing reliable electricity and promoting sustainable development | Drive digital innovation and R&D |
| EU11 | Average generation efficiency of thermal plants by energy source and regulatory regime | In 2024, the average generation efficiency for LG&E and KU was 10.0 (MMBTU/Net MWh). |
| EU12 | Transmission and distribution losses as a percentage of total energy | PPL's operating utilities use standard utility industry practices to review and identify line losses that are outside of industry norms and take necessary steps to mediate those issues as they occur. In 2024, line loss as a percentage of total energy was:<br>5.09% for KU<br>3.37% for LG&E (electric)<br>1.85% for LG&E (gas)<br>5.33% for PPL Electric<br>8.0% for RIE (electric)<br>2.7% for RIE (gas) |
| EU13 | Biodiversity of offset habitats compared to the biodiversity of the affected areas | Biodiversity |
| G4-DMA Skilled Workforce | Programs and processes to ensure the availability of a skilled workforce | Workforce strategy |

| GRI STANDARD # | STANDARD DESCRIPTION | PPL RESPONSE |
|---|---|---|
| EU15 | Percentage of employees eligible to retire in next 5 and 10 years, broken down by job category and region | Workforce strategy |
| EU17 | Days worked by contractor and subcontractor employees involved in construction, operation and maintenance activities | PPL does not publicly disclose this information. |
| EU18 | Percentage of contractor and subcontractor employees who have undergone relevant health and safety training | PPL provides required health and safety-related training for 100% of the contractors performing physical work on our electric systems. |
| G4-DMA Water | Collaborative approaches to managing watersheds and reservoirs for multiple uses | Water use and management |
| G4-DMA Vegetation Management | Approaches for pest and vegetation management along transmission and distribution corridors | Vegetation management |
| DMA Local Communities | Stakeholder participation in decision making processes related to energy planning and infrastructure development | Stakeholder engagement |
| EU22 | Number of people physically or economically displaced and compensation, broken down by type of product | We avoid displacement of anyone to the extent feasible by careful planning during the siting process of major projects. If displacement is unavoidable, we make fair compensation for any property transactions. |
| DMA-Emergency Planning | Contingency planning measures, disaster/emergency management plan and training programs, and recovery/restoration plans | Emergency preparedness |
| DMA-Customer Support Programs | Programs, including those in partnership with government, to improve or maintain access to electricity and customer support services. | Customer assistance |
| EU26 | Percentage of population unserved in licensed distribution or service areas | PPL's utilities have an obligation to serve all who want electrical service in their service territory. |
| EU27 | Number of residential disconnections for non-payment, broken down by duration of disconnection and by regulatory regime | Residential disconnections for PPL's electric utilities during 2024 totaled 217,998.<br>The number of residential reconnections within 30 days was 190,689.<br>Residential disconnections for PPL's gas utilities during 2024 totaled 5,730.<br>The number of residential reconnections within 30 days was 4,018. |
| EU28 | Power outage frequency | Reliability and resiliency |
| EU29 | Average power outage duration | Reliability and resiliency |
| EU30 | Average plant availability factor by energy source and by regulatory regime | LG&E and KU's plant availability factor is 85.42%. The unplanned outage rate for LG&E and KU plants in 2024 was 4.71%. The equivalent forced outage rate for LG&E and KU was 2.04%. |
| DMA-Customer access | Practices to address language, cultural, low literacy and disability related to barriers to accessing and safely using electricity and customer support services | Customer assistance |

# 2024 EEI-AGA ESG/SUSTAINABILITY REPORT

## PPL Corporation | Quantitative Information | Electric

**Parent Company:** *PPL Corporation*
**Operating Company(s):** *PPL Electric Utilities (PPL Electric), Louisville Gas & Electric and Kentucky Utilities (LG&E and KU), and Rhode Island Energy (RIE)*
**Business Type(s):** *Fully regulated utilities; T&D (Pennsylvania, Rhode Island) and T&D plus regulated generation (Kentucky)*
**State(s) of Operation:** *Pennsylvania, Kentucky, Virginia and Rhode Island*
**State(s) with RPS Programs:** *Pennsylvania (mandatory), Rhode Island (mandatory)*
**Regulatory Environment:** *Regulated*
**Report Date:** *04/24/2025*

*Company-specific data available for download here.*

| REF. NO. | DESCRIPTION | LAST YEAR 2023 | CURRENT YEAR 2024 |
|---|---|---|---|
| **1** | **Owned Nameplate Generation Capacity at end of year (MW)** | 7,535 | 7,264 |
| 1.1 | Coal | 4,715 | 4,415 |
| 1.2 | Natural Gas | 2,716 | 2,745 |
| 1.3 | Nuclear | | |
| 1.4 | Petroleum | | |
| 1.5 | Total Renewable Energy Resources | 104 | 104 |
| 1.5.1 | Biomass/Biogas | | |
| 1.5.2 | Geothermal | | |
| 1.5.3 | Hydroelectric | 96 | 96 |
| 1.5.4 | Solar | 8 | 8 |
| 1.5.5 | Wind | | |
| 1.6 | Other | | |
| | | | |
| **2** | **Net Generation for the data year (MWh)** | 30,089,360 | 31,332,379 |
| 2.1 | Coal | 24,394,774 | 24,957,160 |
| 2.2 | Natural Gas | 5,361,936 | 6,069,908 |

| REF. NO. | DESCRIPTION | LAST YEAR 2023 | CURRENT YEAR 2024 |
|---|---|---|---|
| 2.3 | Nuclear | | |
| 2.4 | Petroleum | 228 | -58 |
| 2.5 | Total Renewable Energy Resources | 332,422 | 305,369 |
| 2.5.1 | Biomass/Biogas | | |
| 2.5.2 | Geothermal | | |
| 2.5.3 | Hydroelectric | 316,011 | 289,710 |
| 2.5.4 | Solar | 16,411 | 15,659 |
| 2.5.5 | Wind | | |
| 2.6 | Other | | |
| | | | |
| **2.i** | **Owned Net Generation for the data year (MWh)** | 29,422,636 | 30,697,566 |
| 2.1.i | Coal | 23,728,050 | 24,322,347 |
| 2.2.i | Natural Gas | 5,361,936 | 6,069,908 |
| 2.3.i | Nuclear | | |
| 2.4.i | Petroleum | 228 | -58 |
| 2.5.i | Total Renewable Energy Resources | 332,422 | 305,369 |
| 2.5.1.i | Biomass/Biogas | | |
| 2.5.2.i | Geothermal | | |
| 2.5.3.i | Hydroelectric | 316,011 | 289,710 |
| 2.5.4.i | Solar | 16,411 | 15,659 |
| 2.5.5.i | Wind | | |
| 2.6.i | Other | | |
| | | | |
| **2.ii** | **Purchased Net Generation for the data year (MWh)** | 666,724 | 634,813 |
| 2.1.ii | Coal | | |

| REF. NO. | DESCRIPTION | LAST YEAR 2023 | CURRENT YEAR 2024 |
|---|---|---|---|
| 2.2.ii | Natural Gas | | |
| 2.3.ii | Nuclear | | |
| 2.4.ii | Petroleum | | |
| 2.5.ii | Total Renewable Energy Resources | | |
| 2.5.1.ii | Biomass/Biogas | | |
| 2.5.2.ii | Geothermal | | |
| 2.5.3.ii | Hydroelectric | | |
| 2.5.4.ii | Solar | | |
| 2.5.5.ii | Wind | | |
| 2.6.ii | Other | | |
| | | | |
| **3** | **Capital Expenditures and Energy Efficiency (EE)** | | |
| 3.1 | Total Annual Capital Expenditures (nominal dollars) | $2,360,000,000 | $2,812,000,000 |
| 3.2 | Incremental Annual Electricity Savings from EE Measures (MWh) | 367,908 | 434,103 |
| 3.3 | Incremental Annual Investment in Electric EE Programs (nominal dollars) | $185,979,276 | $199,838,736 |
| | | | |
| **4** | **Retail Electric Customer Count (at end of year)** | 3,006,113 | 3,027,228 |
| 4.1 | Commercial | 402,986 | 406,442 |
| 4.2 | Industrial | 6,915 | 6,834 |
| 4.3 | Residential | 2,596,212 | 2,613,952 |
| | | | |
| **5** | **GHG Emissions: Carbon Dioxide ($CO_2$) and Carbon Dioxide Equivalent ($CO_2e$)** | | |
| | | | |
| **5.1** | **Owned Generation (1) (2) (3)** | | |
| 5.1.1 | Carbon Dioxide ($CO_2$) | | |

| REF. NO. | DESCRIPTION | LAST YEAR 2023 | CURRENT YEAR 2024 |
|---|---|---|---|
| 5.1.1.1 | Total Owned Generation $CO_2$ Emissions (MT) | | |
| 5.1.1.2 | Total Owned Generation $CO_2$ Emissions Intensity (MT/Net MWh) | | |
| 5.1.2 | Carbon Dioxide Equivalent ($CO_2e$) | | |
| 5.1.2.1 | Total Owned Generation $CO_2e$ Emissions (MT) | 25,088,102 | 26,449,168 |
| 5.1.2.2 | Total Owned Generation $CO_2e$ Emissions Intensity (MT/Net MWh) | 0.853 | 0.861 |
| | | | |
| **5.2** | **Purchased Power (4)** | | |
| 5.2.1 | Carbon Dioxide ($CO_2$) | | |
| 5.2.1.1 | Total Purchased Generation $CO_2$ Emissions (MT) | | |
| 5.2.1.2 | Total Purchased Generation $CO_2$ Emissions Intensity (MT/Net MWh) | | |
| 5.2.2 | Carbon Dioxide Equivalent ($CO_2e$) | | |
| 5.2.2.1 | Total Purchased Generation $CO_2e$ Emissions (MT) | 5,370,151 | 4,758,381 |
| 5.2.2.2 | Total Purchased Generation $CO_2e$ Emissions Intensity (MT/Net MWh) | 0.36 | 0.33 |
| | | | |
| **5.3** | **Owned Generation + Purchased Power** | | |
| 5.3.1 | Carbon Dioxide ($CO_2$) | | |
| 5.3.1.1 | Total Owned + Purchased Generation $CO_2$ Emissions (MT) | | |
| 5.3.1.2 | Total Owned + Purchased Generation $CO_2$ Emissions Intensity (MT/Net MWh) | | |
| 5.3.2 | Carbon Dioxide Equivalent ($CO_2e$) | | |
| 5.3.2.1 | Total Owned + Purchased Generation $CO_2e$ Emissions (MT) | 30,458,252 | 31,207,549 |
| 5.3.2.2 | Total Owned + Purchased Generation $CO_2e$ Emissions Intensity (MT/Net MWh) | 0.687 | 0.693 |
| | | | |
| **5.4** | **Non-Generation $CO_2e$ Emissions of Sulfur Hexafluoride ($SF_6$) (5)** | | |
| 5.4.1 | Total $CO_2e$ emissions of $SF_6$ (MT) | 12,324 | 16,533 |
| 5.4.2 | Leak rate of $CO_2e$ emissions of $SF_6$ (MT/Net MWh) | 0.00028 | 0.00037 |

| REF. NO. | DESCRIPTION | LAST YEAR 2023 | CURRENT YEAR 2024 |
|---|---|---|---|
| **6** | **Nitrogen Oxide (NOx), Sulfur Dioxide ($SO_2$), Mercury (Hg)** | | |
| 6.1 | Generation basis for calculation **(6)** | | |
| | | | |
| **6.2** | **Nitrogen Oxide (NOx)** | | |
| 6.2.1 | Total NOx Emissions (MT) | 13,149 | 13,758 |
| 6.2.2 | Total NOx Emissions Intensity (MT/Net MWh) | 0.00045 | 0.00045 |
| | | | |
| **6.3** | **Sulfur Dioxide ($SO_2$)** | | |
| 6.3.1 | Total $SO_2$ Emissions (MT) | 12,250 | 15,759 |
| 6.3.2 | Total $SO_2$ Emissions Intensity (MT/Net MWh) | 0.00042 | 0.00051 |
| | | | |
| **6.4** | **Mercury (Hg)** | | |
| 6.4.1 | Total Hg Emissions (kg) | 41.0 | 49.1 |
| 6.4.2 | Total Hg Emissions Intensity (kg/Net MWh) | 1.39E-06 | 1.60E-06 |
| | | | |
| **7** | **Human Resources** | | |
| 7.1 | Total Number of Employees | 6,629 | 6,653 |
| 7.2 | Percentage of Women in Total Workforce | 26% | 26% |
| 7.3 | Percentage of Minorities in Total Workforce | 13% | 13% |
| 7.4 | Total Number on Board of Directors/Trustees | 10 | 10 |
| 7.5 | Percentage of Women on Board of Directors/Trustees | 40% | 40% |
| 7.6 | Percentage of Minorities on Board of Directors/Trustees | 30% | 30% |
| 7.7 | Employee Safety Metrics | | |
| 7.7.1 | Recordable Incident Rate | 1.33 | 1.41 |
| 7.7.2 | Lost-time Case Rate | 0.38 | 0.53 |

| REF. NO. | DESCRIPTION | LAST YEAR 2023 | CURRENT YEAR 2024 |
|---|---|---|---|
| 7.7.3 | Days Away, Restricted, and Transfer (DART) Rate | 0.75 | 0.80 |
| 7.7.4 | Work-related Fatalities | 0 | 0 |
| | | | |
| **8** | **Fresh Water Resources used in Thermal Power Generation Activities** | | |
| 8.1 | Water Withdrawals - Consumptive (Millions of Gallons) | 8,012 | 11,624 |
| 8.2 | Water Withdrawals - Non-Consumptive (Millions of Gallons) | 92,221 | 101,464 |
| 8.3 | Water Withdrawals - Consumptive Rate (Millions of Gallons/Net MWh) | 0.00027 | 0.00038 |
| 8.4 | Water Withdrawals - Non-Consumptive Rate (Millions of Gallons/Net MWh) | 0.00313 | 0.00331 |
| | | | |
| **9** | **Waste Products** | | |
| 9.1 | Amount of Hazardous Waste Manifested for Disposal | 217.15 | 56.04 |
| 9.2 | Percent of Coal Combustion Products Beneficially Used | 71.9% | 69.7% |

# 2024 EEI-AGA ESG/SUSTAINABILITY REPORT

## PPL Corporation | Quantitative Information | Natural Gas

**Parent Company:** *PPL Corporation*
**Operating Company(s):** *Louisville Gas & Electric and Kentucky Utilities (LG&E and KU), and Rhode Island Energy (RIE)*
**Business Type(s):** *Fully regulated utilities*
**State(s) of Operation:** *Kentucky and Rhode Island*
**Regulatory Environment:** *Regulated*
**Report Date:** *04/24/2025*

*Company-specific data available for download here.*

| REF. NO. | DESCRIPTION | LAST YEAR 2023 | CURRENT YEAR 2024 |
|---|---|---|---|
| | **Natural Gas Distribution** | | |
| **1** | **Methane Emissions and Mitigation from Distribution Mains** | | |
| 1.1 | Number of Gas Distribution Customers | 612,731 | 614,926 |
| 1.2 | Distribution Mains in Service | | |
| 1.2.1 | Plastic (miles) | 4,052.55 | 4,114.54 |
| 1.2.2 | Cathodically Protected Steel - Bare & Coated (miles) | 2,776.42 | 2,776.37 |
| 1.2.3 | Unprotected Steel - Bare & Coated (miles) | 263.86 | 251.18 |
| 1.2.4 | Cast Iron / Wrought Iron - without upgrades (miles) | 560.79 | 542.10 |
| 1.3 | Plan/Commitment to Replace / Upgrade Remaining Miles of Distribution Mains (# years to complete) | | |
| 1.3.1 | Unprotected Steel (Bare & Coated) (# years to complete) | | |
| 1.3.2 | Cast Iron / Wrought Iron (# years to complete) | | |
| **2** | **Distribution $CO_2e$ Fugitive Emissions** | | |
| 2.1 | $CO_2e$ Fugitive Methane Emissions from Gas Distribution Operations *(metric tons)* | 143,206.5 | 129,922.25 |
| 2.2 | $CH_4$ Fugitive Methane Emissions from Gas Distribution Operations *(metric tons)* | 5,728.26 | 5,196.89 |
| 2.2.1 | $CH_4$ Fugitive Methane Emissions from Gas Distribution Operations (MMSCF/year) | 298.35 | 270.67 |
| 2.3 | Annual Natural Gas Throughput from Gas Distribution Operations in thousands of standard cubic feet (*Mscf/year*) | 77,178,019 | 77,960,023 |

| REF. NO. | DESCRIPTION | LAST YEAR 2023 | CURRENT YEAR 2024 |
|---|---|---|---|
| 2.3.1 | Annual Methane Gas Throughput from Gas Distribution Operations in millions of standard cubic feet (MMscf/year) | 73,319.12 | 74,062.02 |
| 2.4 | Fugitive Methane Emissions Rate (Percent *MMscf of Methane Emissions per MMscf of Methane Throughput*) | 0.41% | 0.37% |
| | **Natural Gas Gathering and Boosting** | | |
| 3.1.1 | NOx *( metric tons per year)* | 0.53 | 0.42 |
| 3.1.2 | VOC *(metric tons per year)* | 4.35 | 2.34 |

# PPL CORPORATION 2024 SUSTAINABILITY ACCOUNTING STANDARDS BOARD (SASB) REPORT

## Disclosure Topics & Accounting Metrics

| SASB Code | Accounting Metric | Response |
|---|---|---|
| | **Greenhouse Gas Emissions & Energy Resource Planning** | |
| IF-EU-110a.1 | (1) Gross global Scope 1 emissions, percentage covered under<br>(2) emissions-limiting regulations and<br>(3) emissions-reporting regulations | See emissions chart in this report. |
| IF-EU-110a.2 | Greenhouse gas (GHG) emissions associated with power deliveries | See emissions chart in this report. |
| IF-EU-110a.3 | Discussion of long-term and short-term strategy or plan to manage Scope 1 emissions, emissions reduction targets, and an analysis of performance against those targets | Advancing a cleaner energy future, see p. 18-21.<br>See emissions chart in this report. |
| IF-EU-110a.4 | (1) Number of customers served in markets subject to renewable portfolio standards (RPS) and (2) percentage fulfillment of RPS target by market | PPL Electric Utilities' 1.5 million customers in Pennsylvania are subject to renewable portfolio standards and PPL consistently met target requirements. From June 2023 to May 2024, alternative power sources comprised 18% of the power PPL Electric bought for customers who had not chosen a competitive supplier. This included 8% from solar, wind and hydropower energy sources.<br>Rhode Island Energy (RIE) supports the state of Rhode Island's Renewable Energy Standard (RES), which requires purchase of 100% renewable electricity by 2033. In 2024, RIE was required to meet 28% renewable electricity. |
| | **Air Quality** | |
| IF-EU-120a.1 | Air emissions of the following pollutants; percentage of each in or near areas of dense population:<br>(1) NOx (excluding $N_2O$)<br>(2) SOx<br>(3) particulate matter (PM10)<br>(4) lead (Pb)<br>(5) mercury (Hg) | See emissions chart in this report. |

| SASB Code | Accounting Metric | Response |
|---|---|---|
| | **Water Management** | |
| IF-EU-140a.1 | (1) Total water withdrawn, (2) total water consumed, percentage of each in regions with High or Extremely High Baseline Water Stress | No water is sourced from regions with high or extremely high baseline water stress. For data on water withdrawn and consumed, see p. 32. |
| IF-EU-140a.2 | Number of incidents of non-compliance associated with water quantity and/or quality permits, standards, and regulations | No significant fines (defined as more than $100,000). |
| IF-EU-140a.3 | Description of water management risks and discussion of strategies and practices to mitigate those risks | Water management |
| | **Coal Ash Management** | |
| IF-EU-150a.1 | Amount of coal combustion residuals (CCR) generated, percentage recycled | 2.63 million metric tonnes, 69.7% recycled |
| IF-EU-150a.2 | Total number of coal combustion residual (CCR) impoundments, broken down by hazard potential classification and structural integrity assessment | Plans for CCR rule compliance and related data about each of LG&E and KU's facilities regulated under the Coal Combustion Residuals Rule is publicly available on LG&E and KU's website at lge-ku.com/CCR. |
| | **Energy Affordability** | |
| IF-EU-240a.1 | Average retail electric rate for (1) residential, (2) commercial, and (3) industrial customers | Average customer bills |
| IF-EU-240a.2 | Typical monthly electric bill for residential customers for (1) 500 kWh and (2) 1,000 kWh of electricity delivered per month | Average customer bills |
| IF-EU-240a.3 | Number of residential customer electric disconnections for non-payment, percentage reconnected within 30 days | In 2024, PPL's U.S.-based electric utilities had 217,998 residential disconnections for non-payment. The percentage reconnected within 30 days was 87.5%. |
| IF-EU-240a.4 | Discussion of impact of external factors on customer affordability of electricity, including the economic conditions of the service territory | See PPL's Form 10K |

| SASB Code | Accounting Metric | Response |
|---|---|---|
| | **Workforce Health and Safety** | |
| IF-EU-320a.1 | (1) Total recordable incident rate (TRIR)<br>(2) fatality rate<br>(3) near miss frequency rate (NMFR) | (1) 1.41<br>(2) 0.00<br>(3) PPL does not publicly disclose its NMFR |
| | **End-Use Efficiency & Demand** | |
| IF-EU-420a.1 | Percentage of electric utility revenues from rate structures that (1) are decoupled and (2) contain a lost revenue adjustment mechanism (LRAM) | We do not currently utilize any such mechanisms. |
| IF-EU-420a.2 | Percentage of electric load served by smart grid technology | All PPL operating companies use smart grid technology across their networks.<br>For details on smart grid investments, see p. 26 |
| IF-EU-420a.3 | Customer electricity savings from efficiency measures, by market | Refer to our Energy Efficiency section in this report, see p. 29. |
| | **Nuclear Safety & Emergency Management** | |
| IF-EU-540a.1 | Total number of nuclear power units, broken down by U.S. Nuclear Regulatory Commission (NRC) Action Matrix Column | N/A |
| IF-EU-540a.2 | Description of efforts to manage nuclear safety and emergency preparedness | N/A |
| | **Grid Resiliency** | |
| IF-EU-550a.1 | Number of incidents of non-compliance with physical and/or cybersecurity standards or regulations | No material violations or fines (as determined under the reporting standards of the North American Electric Reliability Corporation (NERC). For information on PPL's strategy to protect the physical and cybersecurity of power grid infrastructure, see p. 60. |
| IF-EU-550a.2 | (1) System Average Interruption Duration Index (SAIDI) (2) System Average Interruption Frequency Index (SAIFI), and (3) Customer Average Interruption Duration Index (CAIDI), inclusive of major event days | See Reliability on p. 27. |

| ACTIVITY METRICS | | |
|---|---|---|
| | ***Electric Utilities*** | |
| IF-EU-000.A | Number of:<br>(1) residential,<br>(2) commercial, and<br>(3) industrial customers served | See customers served on p. 47. |
| IF-EU-000.B | Total electricity delivered to:<br>(1) residential,<br>(2) commercial,<br>(3) industrial,<br>(4) all other retail customers, and<br>(5) wholesale customers | See PPL's 10-K for fiscal year ending Dec. 31, 2024, p. 4. |
| IF-EU-000.C | Length of transmission and distribution lines (km) | See PPL's 10-K for fiscal year ending Dec. 31, 2024, p. 27-28. |
| IF-EU-000.D | Total electricity generated, percentage by major energy source, percentage in regulated markets | See EEI – section 2 in this report. |
| IF-EU-000.E | Total wholesale electricity purchased (MWh) | 14,340,177 |
| | ***Natural Gas Utilities*** | |
| IF-GU-000.A | Number of: (1) residential, (2) commercial, and (3) industrial customers served | See customers served on p. 47. |
| IF-GU-240.a1 | Average retail gas rate for<br>(1) residential,<br>(2) commercial,<br>(3) industrial customers, and<br>(4) transportation services only | Average gas rates |
| IF-GU-240a.4 | Discussion of impact of external factors on customer affordability of gas, including the economic conditions of the service territory | See Affordability and Assistance section of this report. |
| IF-GU-420a.2 | Customer gas savings from efficiency measures, by market (MMBtu) | 241,413 |
| IF-GU-540a.1 | Number of<br>(1) reportable pipeline incidents,<br>(2) corrective actions received and<br>(3) violations of pipeline safety statutes | Not publicly disclosed. |
| IF-GU-540a.2 | Percentage of distribution pipeline that is<br>(1) cast or wrought iron and<br>(2) unprotected steel | (1) 7.1%<br>(2) 3.3% |
| IF-GU-540a.3 | Percentage of gas<br>(1) transmission and<br>(2) distribution pipelines inspected | Not publicly disclosed. |
| IF-GU-540a.4 | Description of efforts to manage the integrity of gas delivery infrastructure, including risks related to safety and emissions | See Natural Gas Operations section of this report. |

# TASK FORCE ON CLIMATE-RELATED FINANCIAL DISCLOSURES REPORT

## All Sector Financial Disclosures

| TOPIC | RECOMMENDED DISCLOSURE | PPL'S RESPONSE MAPPING |
|---|---|---|
| **Governance** | | |
| Disclose the organization's governance around climate-related risks and opportunities. | Describe the board's oversight of climate-related risks and opportunities. | See Governance section of this report. |
| | Describe management's role in assessing and managing climate-related risks and opportunities | See Governance section of this report. |
| **Strategy** | | |
| Disclose the actual and potential impacts of climate-related risks and opportunities on the organization's businesses, strategy, and financial planning where such information is material. | Describe the climate-related risks and opportunities the organization has identified over the short, medium, and long term. | See Clean Energy Strategy section of this report. |
| | Describe the impact of climate-related risks and opportunities on the organization's businesses, strategy, and financial planning. | See Clean Energy Strategy section of this report. |
| | Describe the resilience of the organization's strategy, taking into consideration different climate-related scenarios, including a 2°C or lower scenario. | See Clean Energy Strategy section of this report. |
| **Risk Management** | | |
| Disclose how the organization identifies, assesses, and manages climate-related risks. | Describe the organization's processes for identifying and assessing climate-related risks. | See Risk Management section of this report. |
| | Describe the organization's processes for managing climate-related risks. | See Risk Management section of this report. |
| | Describe how processes for identifying, assessing, and managing climate-related risks are integrated into the organization's overall risk management. | See Risk Management section of this report. |
| **Metrics and Targets** | | |
| Disclose the metrics and targets used to assess and manage relevant climate-related risks and opportunities where such information is material. | Disclose the metrics used by the organization to assess climate-related risks and opportunities in line with its strategy and risk management process. | See the Advancing a Cleaner Energy Future section of this report. |
| | Disclose Scope 1, Scope 2, and, if appropriate, Scope 3 greenhouse gas (GHG) emissions, and the related risks. | See the Metrics section of this report. |
| | Describe the targets used by the organization to manage climate-related risks and opportunities and performance against targets. | See the Advancing a Cleaner Energy Future section of this report. |

## Energy Group Metrics

| FINANCIAL CATEGORY | CLIMATE-RELATED CATEGORY | RECOMMENDED DISCLOSURE | PPL'S RESPONSE MAPPING |
|---|---|---|---|
| Revenues | GHG Emissions | Estimated Scope 3 emissions, including methodologies and emission factors used | See Metrics Section in this report. |
| Revenues | Risk Adaptation & Mitigation | Revenues/savings from investments in low-carbon alternatives (e.g. R&D, equipment, products or services) | PPL's 2024 10-K<br>See the Advancing a Cleaner Energy Future, pp. 18-29. |
| Expenditures | GHG Emissions | Describe current carbon price or range of prices used | See p. 91. |
| Expenditures | Risk Adaptation & Mitigation | Expenditures (OpEx) for low-carbon alternatives (e.g., R&D, equipment, products or services) | See Capital Investment Plan, p. 26. |
| Expenditures | Risk Adaptation & Mitigation | Proportion of capital allocation to long-lived assets versus short-term assets | See Capital Investment Plan, p. 26. |
| Expenditures | Water | Percent water withdrawn in regions with high or extremely high baseline water stress | PPL does not withdraw water in regions that are considered to have a high or extremely high baseline water stress according to the WRI Aqueduct Tool. See water management |
| Assets | Water | Assets committed in regions with high or extremely high baseline water stress | PPL considers the following a facility: All PPL owned/partially owned sites that hold NPDES and/or permits (4 sites are deemed material). All 4 of these facilities are located in an area that has a low to low-medium water stress rating according to the WRI Aqueduct Tool. LG&E and KU generation facilities monitor and comply with all state and local water quality standards when the water leaves our facilities.<br>Information on this can be found in the state report at https://eec.ky.gov/Environmental-Protection/Water/Monitor/Pages/Assessments.aspx. See water management, p. 32. |
| Assets | Risk Adaptation & Mitigation | Investment (CapEx) in low-carbon alternatives (e.g., capital equipment or assets) | See Capital Investment Plan, p. 26. |
| Capital | Risk Adaptation & Mitigation | Capital payback periods or return on capital deployed | See Capital Investment Plan, p. 26. |

# CDP QUESTIONNAIRE | CLIMATE | WATER | BIODIVERSITY

This disclosure includes relevant topics that have a direct or indirect impact on the company's ability to create, preserve or erode economic, environmental and social value for PPL and its various stakeholders. Non-applicable topics/metrics are excluded from these disclosures.

| **Introduction** |
|---|
| 1.1 \| 1.2 \| 1.3 \| 1.4 \| 1.4.1 \| 1.5 \| 1.6 \| 1.7 \| 1.12 \| 1.16.1 \| 1.24 |
| See pp. 2-11.<br>Reporting boundary is the same as that used in our financial statements. |

| **Identification, assessment, and management of dependencies, impacts, risks, and opportunities** |
|---|
| 2.1 \| 2.2 \| 2.2.1 \| 2.2.2 \| 2.2.7 \| 2.3 \| 2.4 \| 2.5 \| 2.5.1 |
| PPL defines our time horizons as short term (0-2 years), medium term (3-5 years) and long term (6-26 years). Our operating companies' Integrated Resource and Transmission and Distribution planning horizon is typically a 15-year timeframe; while our climate assessment and emission reduction goals are more than 25 years from the date of this response (to 2050).<br>See p. 16-19.<br>See p. 31-35. |

| **Disclosure of risks and opportunities** |
|---|
| 3.1 \| 3.1.1 \| 3.1.2 \| 3.2 \| 3.3 \| 3.5 \| 3.6 \| 3.6.1 \| 3.6.2 |
| See p. 16-19.<br>See p. 32<br>The magnitude of financial impact is a proxy reflecting the return expected on investments needed to enhance and modernize the grid, including transmission and distribution enhancements. As regulated utilities, we look to regulated return on investments we make. A number of our transmission and distribution expenditures are recovered in near real time through rate mechanisms in PA and RI. Zero PPL operations or activities are regulated by a carbon pricing system. |

| **Governance** |
|---|
| 4.1 \| 4.1.1 \| 4.1.2 \| 4.2 \| 4.3 \| 4.3.1 \| 4.4 \| 4.5 \| 4.5.1 \| 4.6 \| 4.6.1 \| 4.10 \| 4.11 \| 4.11.1 \| 4.12 \| 4.12.1 |
| See p. 14-16 and p. 56-57.<br>See PPL's environmental policies<br>See all of PPL's sustainability disclosures<br>See PPL's Public Policy Engagement |

| **Business strategy** |
|---|
| 5.1 \| 5.1.1 \| 5.1.2 \| 5.2 \| 5.3 \| 5.3.1 \| 5.3.2 \| 5.4 \| 5.4.1 \| 5.4.3 \| 5.5 \| 5.5.7 \| 5.7 \| 5.7.1 \| 5.9 \| 5.10 \| 5.10.1 \| 5.10.2 \| 5.11 \| 5.11.1 \| 5.11.2 \| 5.11.5 \| 5.11.6 \| 5.11.7 \| 5.11.9 |
| See PPL's 2021 Climate Assessment<br>See p. 18-26<br>See p. 16-22<br>See p. 26<br>See p. 23-30<br>See p. 62<br>See p. 31-35 |

| **Environmental Performance – Consolidation Approach** |
|---|
| 6.1 |
| PPL environmental disclosures follow the same consolidation approach as our financial reporting. |

| **Environmental performance - Climate Change** |
|---|
| 7.1.1 \| 7.1.2 \| 7.1.3 \| 7.2 \| 7.3 \| 7.4 \| 7.4.1 \| 7.45 \| 7.5 \| 7.6 \| 7.7 \| 7.8 \| 7.8.1 \| 7.9 \| 7.9.1 \| 7.9.2 \| 7.9.3 \| 7.10 \| 7.10.1 \| 7.10.2 \| 7.12 \| 7.12.1 \| 7.15 \| 7.15.1 \| 7.15.3 \| 7.16 \| 7.17 \| 7.17.1 \| 7.17.1 \| 7.17.2 \| 7.17.3 \| 7.19 \| 7.22 \| 7.23 \| 7.23.1 \| 7.29 \| 7.30 \| 7.30.1 \| 7.30.6 \| 7.30.7 \| 7.30.16 \| 7.33 \| 7.33.1 \| 7.45 \| 7.46 \| 7.52 \| 7.53 \| 7.53.1 \| 7.53.2 \| 7.53.3 \| 7.54 \| 7.54.1 \| 7.54.2 \| 7.54.3 \| 7.55 \| 7.55.1 \| 7.55.2 \| 7.55.3 \| 7.55.4 \| 7.58 \| 7.74 \| 7.74.1 \| 7.79 \| 7.79.1 |
| PPL has not undergone any structural changes in the reporting year that would affect the disclosure of emissions data.<br>The company uses the Greenhouse Gas Accounting Protocol and EPA collective data to calculate emissions.<br>See p. 18-20<br>See charts p. 95-100<br>See chart p. 98<br>See chart p. 104<br>See PPL 2024 10-K p. 4<br>See chart p. 97<br>See p. 22-30<br>See chart p. 99 |

| **Environmental performance - Water security** |
|---|
| 9.1 \| 9.1.1 \| 9.2 \| 9.2.1 \| 9.2.2 \| 9.2.4 \| 9.2.7 \| 9.2.8 \| 9.2.9 \| 9.2.10 \| 9.3 \| 9.3.1 \| 9.3.2 \| 9.5 \| 9.7 \| 9.7.1 \| 9.13 \| 9.13.1 \| 9.14 \| 9.15 \| 9.15.1 \| 9.15.2 \| 9.15.3 |
| See p. 31-32<br>See chart p. 101 |

| **Environmental performance – Biodiversity** |
|---|
| 11.2 \| 11.3 \| 11.4 \| 11.4.1 |
| See p. 31-35 |

| **Assurance** |
|---|
| 13.1 \| 13.1.1 |
| PPL does not currently go through a third party for data verification and/or assurance. An internal assurance and audit process is followed. |

# Alignment with the United Nations Sustainable Development Goals

**Our mission to provide safe, affordable, reliable, sustainable energy to our customers aligns with several of the United Nations Sustainable Development Goals.**

| Sustainable Development Goal | Relevance |
|---|---|
|  Clean water and sanitation | We carefully manage the water we use while generating electricity and monitor the impact of wastewater discharged into waterways. PPL supports programs that protect waterways and the ecosystems that depend on them in the service areas where our utilities operate. |
|  Affordable and clean energy | We are focused on providing safe, affordable, reliable and environmentally responsible energy solutions to our customers. |
|  Decent work and economic growth | We are focused on cultivating success for our employees by fostering a supportive, empowering and collabortive workplace culture that rewards performance, promotes professional development and enables employees to achieve their full potential. We also work closely with local and state officials to foster economic development that creates jobs throughout the communities we serve. |
|  Industry, innovation and infrastructure | We are investing in tomorrow's energy infrastructure by developing a more reliable, resilient and efficient grid that fosters continued progress and enables a cleaner energy future. |
|  Climate action | We have developed a clean energy strategy that supports a net-zero economy and our decarbonization goals while keeping affordability, value and reliability at the core. |

## NET-ZERO GOAL-RELATED EMISSIONS (2010 BASELINE)

| | 2010 | 2023 | 2024 |
|---|---|---|---|
| **Scope 1: Gross MWh of Owned Generation** (metric tonnes of $CO_2e$ ) | 60,736,086[1] | 25,085,718 | 26,443,629 |
| **Scope 1: Fleet Vehicles** (metric tonnes of $CO_2e$)[3] | 48,343 | 30,885 | 32,331 |
| **Scope 1: Small Plant Stationary Fuel Combustion Sources** (metric tonnes of $CO_2e$) | 2,515 | 2,384 | 5,539 |
| **Scope 1: Plant Mobile Equipment** (metric tonnes of $CO_2e$) | 4,893 | 5,373 | 5,668 |
| **Scope 1: Fugitive $SF_6$ Emissions** (metric tonnes of $CO_2e$) | 114,727 | 12,324 | 16,533 |
| **Scope 1: Gas Used in Facilities (stationary fuel combustion)** (metric tonnes of $CO_2e$) | 18,250 | 14,395 | 13,913 |
| **Scope 2: Electricity Use in Facilities** (metric tonnes of $CO_2e$)[2,3] | 89,732 | 19,915 | 18,611 |
| **Scope 3: Electricity Purchased for End Use Customers - LG&E and KU** (MWh) | 1,906,442 | 666,724 | 634,813 |
| **Scope 3: Electricity Purchased for End Use Customers - LG&E and KU** (metric tonnes of $CO_2e$)[3] | 1,597,157 | 624,245 | 558,171 |
| **Total Goal-Related Emissions** (metric tonnes of $CO_2e$) | 62,577,296 | 25,795,238 | 27,094,395 |

*[1]2010 Scope 1 Plant Emissions is the only data point that includes former PPL affiliate, PPL Energy Supply, LLC.*
*[2]Emissions for facilities served by LG&E and KU are included in scope 1 generation emissions.*
*[3]Recalculated in 2025 to include additional related Kyoto Protocol gases.*

## OTHER $CO_2e$ EMISSIONS

| | 2023 | 2024 |
|---|---|---|
| **Scope 1: Gas Operations** (metric tonnes of $CO_2e$) | 143,380 | 145,527 |
| **Scope 3: Electricity Purchased for End Use Customers - PPL Electric and Rhode Island Energy** (MWh) | 14,243,683 | 13,705,364 |
| **Scope 3: Electricity Purchased for End Use Customers - PPL Electric and Rhode Island Energy** (metric tonnes of $CO_2e$)[1] | 4,745,906 | 4,200,210 |
| **Scope 3: Gas Purchased for End Use Customers - LG&E and Rhode Island Energy** (MMCUFT) | 77,178 | 77,960 |
| **Scope 3: Gas Purchased for End Use Customers - LG&E and Rhode Island Energy** (metric tonnes of $CO_2e$) | 3,834,945 | 4,015,726 |
| **Scope 3: Employee Commuting** (metric tonnes of $CO_2e$)[1] | 6,947 | 7,421 |
| **Scope 3: Business Travel** (metric tonnes of $CO_2e$)[1] | 1,264 | 1,183 |

*[1] Recalculated in 2025 to include additional related Kyoto Protocol gases.*

## CARBON INTENSITY

| | 2024 |
|---|---|
| **Operating Revenues** (in millions) | 8,462 |
| **Revenue Carbon Intensity**[1] | 0.0031 |
| **Gross Generation Carbon Intensity**[2] | 0.861 |

*[1]Total $CO_2e$ goal-related emissions divided by revenue.*
*[2]Total $CO_2e$ associated with gross owned generation divided by owned net generation.*

## ENERGY CONSUMPTION AND OUTPUT

| | 2024 |
|---|---|
| **Owned Gross Generation** (MWh) | 33,447,036 |
| **Owned Net Generation** (MWh) | 30,697,566 |
| **Total MMBtu Consumed at Plant** | 306,458,898 |
| **Generation Efficiency Heat Rate** (MMBtu/owned net generation) | 10.0 |
| **Small Plant Stationary Combustion Sources** (liters) | 2,779,350,925 |
| **Plant Mobile Fuel Combustion Sources** (liters) | 2,185,126 |
| **Facility Electricity Use** (kWh) | 60,166,916 |
| **Facility Gas Use** (kWh) | 76,899,854 |
| **Fleet Vehicle Energy Use** (liters) | 12,996,434 |

## INSTALLED CAPACITY[1]

| | 2024 |
|---|---|
| **Total Net Summer Rating at end of year** (MW) | 7,264 |
| **Coal Total Net Summer Rating** (MW) | 4,415 |
| **Natural Gas Net Summer Rating** (MW) | 2,745 |
| **Renewable Net Summer Rating** (MW) | 104 |
| **Hydroelectric Net Summer Rating** (MW) | 96 |
| **Solar Net Summer Rating**[2] (MW) | 8 |

*[1]As reported in 10-K year ending Dec. 31, 2023. Owned generation excludes purchased power. Includes 75% Trimble County Unit 1 & 2 ownership.*
*[2]Does not include additional 1.7 MW from LG&E and KU's community Solar Share program.*

## AIR EMISSIONS

| | 2024 |
|---|---|
| **Total NOx Emissions** (metric tonnes) | 13,758 |
| **Total NOx Emissions Intensity** (metric tonnes/owned net generation) | 0.00045 |
| **Total $SO_2$ Emissions** (metric tonnes) | 15,759 |
| **Total $SO_2$ Emissions Intensity** (metric tonnes/owned net generation) | 0.00051 |
| **Total HG Emissions** (kg) | 49 |
| **Hazardous Air Pollutants Intensity** (kg/owned net MWh) | 0.0000016 |
| **Particulate Matter** (metric tonnes) | 650 |

## ELECTRICITY GENERATION BY TECHNOLOGY

| Technology | Gross electricity generation (GWh) | Net electricity generation (GWh) |
|---|---|---|
| Coal – Hard | 26,934 | 24,322 |
| Natural Gas | 6,205 | 6,069 |
| Hydropower | 292 | 289 |
| Solar | 15 | 15 |
| **Total** | **33,447** | **30,697** |

## SCOPE 1 EMISSIONS RELATING TO TOTAL POWER PLANT CAPACITY AND GENERATION BY SOURCE (METRIC TONNES $CO_2e$)

| | Absolute Scope 1 emissions | |
|---|---|---|
| **Power Generation technology** | **2023** | **2024** |
| Coal – hard | 22,966,308 | 23,803,693 |
| Gas | 2,116,722 | 2,634,001 |
| Hydropower | 0 | 0 |
| Solar | 0 | 0 |

## TOTAL GROSS SCOPE 1 EMISSIONS BY GREENHOUSE GAS TYPE

| | 2024 |
|---|---|
| Gross Scope 1 carbon dioxide emissions (metric tonnes $CO_2$) | 26,294,002 |
| Gross Scope 1 methane emissions (metric tonnes $CH_4$) | 8,075 |
| Gross Scope 1 nitrous oxide emissions (metric tonnes $N_2O$) | 116,208 |
| Gross Scope 1 $SF_6$ emissions (metric tonnes $SF_6$) | 0.704 |

## SCOPE 2 EMISSIONS ELECTRICITY USE IN FACILITIES (METRIC TONNES $CO_2e$)

| | Base Year 2010 | Reporting Year 2024 |
|---|---|---|
| RIE | | 3,029 |
| PPL Electric | | 15,216 |
| LG&E and KU[1] | | 28,824 |
| LG&E and KU – Other utility[1] | | 366 |
| **TOTAL** | **89,732** | **18,611** |

*[1] 'LG&E and KU – Other utility' refers to LG&E and KU service center locations that fall outside of LG&E and KU service territory. All locations within the service territory are counted under Scope 1 emissions, 'Gross MWh of Owned Generation'.*

## SCOPE 1 EMISSIONS (METRIC TONNES $CO_2e$)

***Emissions directly from owned or controlled sources such as power generation, energy use within generation territory and fleet vehicles.***

| | Base Year 2010 | Reporting Year 2024 | | | |
|---|---|---|---|---|---|
| | **TOTAL** | **RIE** | **PPL Electric** | **LG&E and KU** | **TOTAL** |
| Gross MWh of Owned Generation (includes $CO_2$, $N_2O$, and $CH_4$)[1] | **60,836,086** | | | 26,443,629 | 26,443,629 |
| Fleet Vehicles | **48,343** | 7,265 | 12,037 | 13,029 | 32,331 |
| Small Plant Stationary Fuel Combustion Sources, not included in stack emissions* | **2,515** | | | 5,539 | 5,539 |
| Plant Mobile Equipment* | **4,893** | | | 5,668 | 5,668 |
| Gas operations | | 133,017 | | 12,510 | 145,527 |
| Fugitive $SF_6$ | **114,727** | 2,697 | 10,475 | 3,361 | 16,533 |
| Gas Used in Facilities (stationary fuel combustion) | **18,250** | 8,823 | | 5,090 | 13,913 |

*[1]Gross Scope 1 emissions by electric utilities production activity sector.*

## ENERGY CONSUMPTION TOTALS IN MWH

| | 2024 | | | |
|---|---|---|---|---|
| | **MWh from renewable sources** | **Percentage from renewable sources** | **MWh from non-renewable sources** | **Percentage from non-renewable sources** |
| Consumption of fuel | 0 | 0% | 184,497 | 100% |
| Consumption of purchased electricity | 11,857 | 19.7% | 48,310 | 80.3% |
| Consumption of self-generated non-fuel renewable energy | 2,512 | 100% | 0 | 0% |
| Consumption of self-generated non-renewable electricity | 0 | 0% | 2,749,470 | 100% |
| Total energy consumption | 14,369 | 0.5% | 2,982,277 | 99.5% |

## SCOPE 1 EMISSIONS FROM ELECTRIC UTILITIES VALUE CHAIN ACTIVITIES BY GREENHOUSE GAS TYPE

| | 2024 |
|---|---|
| | **Fugitives** |
| Gross Scope 1 carbon dioxide emissions (metric tonnes $CO_2$) | 156.8 |
| Gross Scope 1 methane emissions (metric tonnes $CH_4$) | 5,196.9 |
| Gross Scope 1 $SF_6$ emissions (metric tonnes $SF_6$) | 0.704 |
| Total gross Scope 1 GHG emissions (metric tonnes $CO_2e$) | 162,966 |
| | **Combustion (electric utilities)** |
| Gross Scope 1 $CO_2$ emissions (metric tonnes $CO_2$) | 26,255,178 |
| Gross Scope 1 methane emissions (metric tonnes $CH_4$) | 2,834.8 |
| Total Gross Scope 1 emissions (metric tonnes $CO_2e$) | 26,443,233 |
| | **Combustion (other)** |
| Total Gross Scope 1 emissions (metric tonnes $CO_2e$) | 13,913 |
| | **Emissions not classified elsewhere** |
| Gross Scope 1 $CO_2$ emissions (metric tonnes $CO_2$) | 24,754 |
| Gross Scope 1 methane emissions (metric tonnes $CH_4$) | 42.98 |
| Total Gross Scope 1 emissions (metric tonnes $CO_2e$) | 25,957 |

## REDUCING EMISSIONS ACROSS OUT OPERATIONS: FLEET VEHICLES

35% fleet to be electrified by 2035 (forklifts and light-duty vehicles), 25% anti-idle policy to be enforced on all fleet vehicles, 100% bucket trucks fitted with electric lift technology by 2035.

| Operating Company | Base Year | Base Year (metric tonnes $CO_2e$)[1] | Target Year | Reporting Year (metric tonnes $CO_2e$) |
|---|---|---|---|---|
| RIE | 2022 | 6,262 | 2030 | 7,265 |
| PPL EU | 2019 | 11,377 | 2030 | 12,037 |
| LG&E and KU | 2019 | 14,654 | 2030 | 13,029 |

*[1]Baseline metric tonnes $CO_2e$ recalculated to follow current more inclusive calculations to include additional related Kyoto Protocol gases. EPA and GHG Protocol data used for $CO_2$, $CH_4$, and $N_2O$ calculations.*

## REDUCE ENERGY USAGE AT PPL-OWNED BUILDINGS BY UP TO 28% BY 2030: ELECTRICITY

| Operating Company | Base Year | Base Year (metric tonnes $CO_2e$)[1] | Target Year | Reporting Year (metric tonnes $CO_2e$) |
|---|---|---|---|---|
| RIE | 2022 | 4,035 | 2030 | 3,029 |
| PPL EU | 2019 | 22,941 | 2030 | 15,216 |
| LG&E and KU | 2019 | 29,774 | 2030 | 29,190 |

*[1]Baseline metric tonnes $CO_2e$ recalculated to follow current more inclusive calculations to include additional related Kyoto Protocol gases. EPA eGRID data used for $CO_2$, $CH_4$, and $N_2O$ calculations.*

## REDUCE ENERGY USAGE AT PPL-OWNED BUILDINGS BY UP TO 28% BY 2030: GAS

| Operating Company | Base Year | Base Year (metric tonnes $CO_2e$) | Target Year | Reporting Year (metric tonnes $CO_2e$) |
|---|---|---|---|---|
| RIE | 2022 | 10,913 | 2030 | 8,823 |
| LG&E and KU | 2019 | 8,349 | 2030 | 5,090 |

## SCOPE 3 EMISSIONS (METRIC TONNES $CO_2e$)

***All other indirect emissions from upstream and downstream activities across the supply chain of a company, including any caused by customers' use of those products. These can include emissions associated with business travel, procurement, waste and water. In 2024, PPL completed an assessment of Scope 3 emissions to determine relevant categories.***

| | Base Year 2010 | Reporting Year 2024 | | | |
|---|---|---|---|---|---|
| | **TOTAL** | **RIE** | **PPL Electric** | **LG&E and KU** | **TOTAL** |
| Category 3: Electricity Purchased for End-Use Customers (MWh) | **17,886,782** | 3,293,257 | 10,412,107 | 634,813 | 14,340,177 |
| Category 3: Electricity Purchased for End-Use Customers (metric tonnes $CO_2e$) | **8,860,289** | 811,430 | 3,388,780 | 558,171 | 4,758,381 |
| Category 6: Employee Commuting (metric tonnes $CO_2e$) | | 1,291 | 3,053 | 3,077 | 7,421 |
| Category 7: Business Travel (metric tonnes $CO_2e$) | | 244 | 673 | 266 | 1,183 |
| Category 11: Gas Purchased for End-Use Customers (MMCUFT) | **44,546** | 36,392 | | 41,568 | 77,960 |
| Category 11: Gas Purchased for End-Use Customers (metric tonnes $CO_2e$) | **2,389,400** | 2,008,583 | | 2,007,143 | 4,015,726 |

***Excluded categories are not core business activities and are material to all or most sectors. The most relevant categories to PPL are calculated to the best of our ability.***

| **Category 1: Purchased Goods and Services** | **Category 2: Capital Goods and Services** | **Category 4: Upstream transportation and distribution** | **Category 5: Waste Generated in Operations** | **Category 8: Upstream leased assets** | **Category 9: Downstream transportation and distribution** | **Category 10: Processing of sold product** | **Category 12: End-of-life-treatment of sold products** |
|---|---|---|---|---|---|---|---|
| Relevant, full inventory not yet complete. | Not relevant at this time | Not relevant | Not relevant | Not relevant | Not relevant | N/A, the electricity and natural gas that we deliver to end users is not further processed. | Not relevant |

## TOTAL WATER WITHDRAWAL BY SOURCE

**2024**
**Water Sources Affected by Withdrawal of Water**

| Plant | **2024 Withdrawal** (megaliters/year) | **% Impact** (water withdrawn compared to waterbody size) | **2024 Discharge**[1] (megaliters/year) | **Water Body** | **Waterbody Size** (lake-megaliters or river-megaliters/day) | **Consumption** (megaliters/year) (withdrawal - discharge) | **Total Volume of Water Recycled and Reused as a Percentage of Total Water Withdrawal** |
|---|---|---|---|---|---|---|---|
| KU-Brown | 16,083 | 0.014% | 6,855 | Herrington Lake (created by Dix River Dam) | 324,405[2] | 9,228 | 42.62% |
| KU-Ghent | 99,898 | 0.247% | 103,021 | Ohio River | 110,829[3] | -3,123[4] | 103.13% |
| LG&E-Cane Run | 4,663 | 0.011% | 1,245 | Ohio River | 119,882[3] | 3,418 | 26.70% |
| LG&E-Mill Creek | 263,976 | 0.603% | 252,301 | Ohio River | 119,882[3] | 11,675 | 95.58% |
| LG&E-Trimble County | 43,467 | 0.107% | 20,663 | Ohio River | 110,829[3] | 22,804 | 47.54% |
| **Totals** | **428,087** | | **384,085** | | | **44,002** | **89.72%** |

*[1]These numbers were calculated from annual averages of the NPDES-KPDES reported values for the Discharge Monthly Reports (DMR) or using process-specific flow information. Flows include discharges from ash ponds, cooling tower blowdown streams, once-through cooling flows and accumulated stormwaters within impoundments or collected/drainage process areas. These flows were returned to the same water bodies from which they were withdrawn; there are a number of other users located downstream and upstream of plant locations.*
*[2]Volume of lake during low-flow conditions (10Q7).*
*[3]Flow at relevant locations during 10Q7 low-flow conditions.*
*[4]Discharge exceeds withdrawal due to rainfall captured in metered impoundments.*

## COAL COMBUSTION PRODUCTS[1]

| | 2024 |
|---|---|
| **CCP Production** (million metric tonnes) | 2.634 |
| **CCP Reuse** | 69.7% |
| **Owned Net Generation** (MWh) | 30,697,566 |
| **CCP Intensity** (million metric tonnes/owned) | 0.086 |

*[1] Does not include trash and NonPCB used oil recycling.*

## TOTAL WEIGHT OF WASTE BY TYPE AND DISPOSAL METHOD

| | 2024 |
|---|---|
| **Hazardous Waste Generated** (metric tonnes) | 56.04 |
| **Non-Hazardous Waste Generated**[1] (metric tonnes) | 31,056 |
| **Non-Hazardous Waste Diverted from Landfill** (metric tonnes) | 18,585 |
| **Universal Waste Generated** (metric tonnes) | 28.4 |
| **Universal Waste Recycled** (metric tonnes) | 28.4 |
| **Non-Hazardous Waste Diverted** (percentage) | 60% |
| **Universal Waste Diverted** (percentage) | 100% |

*[1] Does not include trash and NonPCB used oil recycling.*

## TOTAL NUMBER AND VOLUME OF SIGNIFICANT SPILLS 2024

| Company | Number of Spills | Causes | Gallons |
|---|---|---|---|
| LKE | 1 | Weather event | 5 |
| PPL Electric | 2 | Weather event | 0[1] |
| RIE | 1 | Third-party damage | 117 |
| RIE | 1 | Weather event | 10 |
| **Total** | **5** | | **132** |

*[1] All released oil was recovered.*

## 2024 EMPLOYEE SAFETY

| | LG&E-KU | PPL Electric | PPL Services | RIE | PPL CORP (Overall) |
|---|---|---|---|---|---|
| Total Hours Worked | 5,240,367 | 3,283,267 | 2,057,854 | 2,595,214 | **3,176,702** |
| Number of Lost-Day Cases | 12 | 5 | 0 | 18 | **35** |
| Lost-Time Incident Rate | 0.46 | 0.30 | 0 | 1.39 | **0.53** |
| Recordable Incident Rate | 1.45 | 1.28 | 0 | 2.62 | **1.41** |
| Work-Related Employee Fatalities | 0 | 0 | 0 | 0 | **0** |

## 2024 CONTRACTOR SAFETY

| | LG&E-KU | PPL | RIE | TOTAL |
|---|---|---|---|---|
| Total Hours Worked | 7,016,193 | 4,330,776 | 1,183,738 | **12,530,707** |
| Number of lost-day cases | 9 | 3 | 5 | **17** |
| Lost-Time Incident Rate | 0.26 | 0.14 | 0.84 | **0.27** |
| Recordable Incident Rate | 1.03 | 0.88 | 1.35 | **1.01** |
| Work-related fatalities | 0 | 0 | 0 | **0** |

## CUSTOMERS

| | LG&E-KU (Electric) | LG&E (Gas) | PPL Electric | RIE (Electric) | RIE (Gas) | TOTAL |
|---|---|---|---|---|---|---|
| **Residential** | 862,392 | 308,277 | 1,297,963 | 453,597 | 253,668 | 3,175,897 |
| **Commercial** | 151,857 | 26,900 | 188,721 | 65,861 | 25,297 | 458,636 |
| **Industrial** | 2,227 | 402 | 2,913 | 1,694 | 290 | 7,526 |
| **Municipals/Wholesale** | 3 | | | | | 3 |
| **Gas Transport** | | 92 | | | | 92 |
| **TOTAL** | 1,016,479 | 335,671 | 1,489,597 | 521,152 | 279,255 | 3,642,154 |

## AVERAGE MONTHLY ELECTRIC BILL[1]

| Operating Company | Residential bill (500 kWh per month usage) | Residential bill (1,000 kWh per month usage) | Commercial bill | Industrial bill |
|---|---|---|---|---|
| Kentucky Utilities | $70.96 | $125.00 | $1,873.00 | $37,416.00 |
| Louisville Gas and Electric | $70.78 | $127.33 | $1,875.00 | $38,311.00 |
| PPL Electric Utilities | $89.01 | $162.59 | $1,547.00 | $23,233.00 |
| Rhode Island Energy | $137.53 | $263.80 | $2,955.42 | $78,804.44 |

*[1]Average electric bill data is based on the following typical bill assumptions:*
*Commercial: 40-kW demand and 14,000 kWh per month usage.*
*Industrial: 1,000-kW demand and 400,000 kWh per month usage.*

## RELIABILITY

| | LG&E-KU | PPL Electric | RIE | Total | US AVG[1] |
|---|---|---|---|---|---|
| SAIDI | 87.10 | 90.25 | 60.79 | 84.15 | 123.9 |
| SAIFI | 0.83 | 0.66 | 0.76 | 0.73 | 1.022 |
| CAIDI | 105.51 | 136.53 | 79.89 | 114.61 | 121.3 |

*SAIDI is the average outage duration (in minutes), excluding major events, per IEEE definition 1366.*
*SAIFI is the average number of interruptions per customer, excluding major events, per IEEE definition 1366.*
*CAIDI represents the average time (in minutes) required to restore service after a sustained interruption occurs, per IEEE definition 1366.*

*[1]Based on 2023 data*

## AVERAGE GAS RATES ($/CCF)

| Operating Company | Residential rate | Commercial rate | Industrial rate |
|---|---|---|---|
| Louisville Gas and Electric | $1.45 | $1.09 | $0.70 |
| Rhode Island Energy | $2.06 | $1.23 | $0.41 |

## AVERAGE YEARLY GAS BILL

| Operating Company | Residential average yearly bill at 50 MMBtu | Residential average yearly bill at 100 MMBtu |
|---|---|---|
| Louisville Gas and Electric | $745.30 | $1,490.60 |
| Rhode Island Energy | $1,002.14 | $2,004.28 |