

Borough of Carlisle
Climate Action Commission
Executive Committee
Minutes
January 7, 2021
7:00 PM

- I. Joel Hicks called the meeting to order at 7:00 PM.

Present at the meeting: Joel Hicks, Sean Shultz, Mohamed Badissy, Karla Farrell, Sara Markowitz, Tony Underwood, Tamela Trussell, Jim Rouland, Barbara Ann Sexton, Tom Horton, Susan Armstrong, Owen Snyder, Stephanie Taylor and Joyce Stone.

II. **Meeting Minutes**

- A. Executive Committee voted 8-0 to approve the December 3, 2020 meeting minutes. (Hicks/Underwood)

III. **EC Membership Update/Introductions**

Mr. Hicks introduced Tamela Trussell as the newest member to the CAC Team. Ms. Trussell will serve as a Resident at Large on the Commission.

IV. **Presentations:**

- PPL – Future Plans and Programs

PPL Representative, Barbara Sexton, Government Relations Manager and Jim Rouland, Regulatory Police Manager provided a PowerPoint presentation displaying PPL initiatives for sustainability, environmental stewardship and a changing energy landscape. The PowerPoint presentation is attached to these minutes.

Mr. Hicks pointed out that Federal Energy Regulatory Commission (FERC) Order 2222 would provide PPL the opportunity to help aggregators with the ability to apply new sources of energy and grid services in the wholesale market.

Discussion ensued regarding PPL's default service plans for its service areas. Mr. Rouland explained PPL sets 4 year plans for obtaining the best, lowest possible cost for customers using default electricity plans. PPL must follow regulatory rules to obtain review and approval by the commission. These regulations include leased cost over time, mixed contracts to provide the lowest cost to customers' overtime and the requirement to acquire power from renewables, which provide PPL with renewable credits.

Mr. Hicks spoke of working with PPL to integrate electric vehicle charging stations into the grid. Mr. Rouland explained that PPL is working on their strategies in compliance with upcoming legislative proposals. They will continue to look for ways to help customers integrate those chargers. He noted the house level chargers will not be a big impact, but medium and large business will require coordination with PPL in regard to installation and cost. PPL is currently following other states such as California and Washington to learn from their implementation of a large number of EV chargers. Mr. Hicks suggested the Commission incorporate strategies for future large fleet service generators.

Mr. Underwood inquired what a very rapidly increasing Alternative Energy Portfolio Standards (AEPS) targets mean to PPL as a distributor in a deregulated wholesale state. Mr. Rouland responded for the default service the short term target is to ensure suppliers are compliant and to make certain enough credits are available to purchase to hit the target. PPL is also expanding the transmission system and distribution systems so it can flow to the grid, as well as making sure the infrastructure is in place.

Mr. Hicks suggested that PPL partner with Carlisle to educate and implement pilot studies in order to obtain a sample size that would be significant to the PUC.

Mr. Badissy inquired if PPL would support the premise of a collaborative approach to community solar resources. Ms. Sexton noted PPL is willing to collaborate but prefer to be brought in at the beginning of a project concept. Mr. Rouland mentioned PPL's distributed energy resource system (DERs) that provides an understanding of where constraints are as well as new generation on the grid. He also noted PPL has an online portal for project submissions. There was additional discussion on solar powered linked metered homes as not being a possibility, due to lack of approval by the PUC.

- UGI – Future Plans and Programs- Rescheduled to present at the February Meeting

V. Team Lead Updates:

A. Community Engagement: Sara Markowitz

The team met in January and began discussions in regard to the length of the survey, with the next step of developing a draft survey to send to the team leads for comments. Once the survey is completed, they will implement a plan to distribute the survey to the community. The group will also be working on stakeholder mapping to find ways to partner with businesses or organizations. Mr. Hicks recommended they start thinking of methods to integrate community priorities with the economic cost and benefits that are parallel with the Projects & Estimates team.

B. Pathways & Analytics: Tony Underwood

The team is scheduled to meet later in January. In the interim, Mr. Underwood, along with Neil Leary from Dickinson College, is developing pathways using the ClearPath ICLEI tool to get a sense of the types of programs to develop as a municipality. They focused on a study on emissions from transportation, residential, and commercial energy, along with electricity. The team used the Pennsylvania Climate Action Plan as a model by applying three strategies to meet the goals; increase the AEPS targets as projected for 2050; maintained renewable nuclear on the grid at current levels; and aggressively promoting electric vehicles in the program. This resulted in only reaching half of the 2050 target of 80 percent below the 2005 levels. The conclusion was that focusing on solar energy may be more predictable than using electric vehicles in reaching the goal. The team will continue with additional modeling, including separate strategies to try to achieve higher levels.

C. Zoning: Karla Farrell

The team will meet in January to determine priorities for the committee. They will also review the Chester Ordinance that talks about zoning ordinances as they relate to environmental justice concerns and prohibiting emission increases in particular types of facilities.

D. Projects & Estimates: Mohamed Badissy

The team is reaching out to companies who have been making purposeful choices with a climate impact in mind to determine their activity and projects they have in place. The team is gathering information that will provide a sense of the level of activity and the amount of money spent towards the goal.

VI. Public Comment

Tom Horton commented that the school district had discussed community solar several years ago. He noted there is 20 acres that is next to the grid that could be a location to be considered for a solar farm. Mr. Hicks noted Cumberland County may be a future partner in greenhouse gases that will increase the geographic footprint beyond the Borough regarding solar.

Tamela Trussell noted to keep in mind the Commission's actions should be reflective of social and environmental justice. She also pointed out that the actions should create a sense of community. Ms. Trussell noted that plastics are a concern to residents, as plastics are a contributor to eight percent of fossil fuel use, which directly contributes to poor air and water pollution. Mr. Hicks responded that the commission should look at actions that will also provide direct health benefits. He also spoke of Scope 3 emissions as a future objective of the commission.

VII. Adjournment

The meeting was adjourned at 8:13 PM.

PPL Electric Utilities PPL Corporation

**Sustainability, environmental stewardship
and a changing energy landscape**

January 2021



PPL Corporation

SUSTAINABILITY COMMITMENTS

PPL is committed to growing and innovating in a responsible, reliable way that benefits customers, shareowners, employees and society as a whole. We pledge to...

ENERGY AND ENVIRONMENT



Advance a cleaner energy future

Encourage responsible stewardship in partnership with our customers and stakeholders to have a sustainable environmental impact



Build tomorrow's energy infrastructure

Invest in tomorrow's energy infrastructure by developing a more reliable, resilient and efficient grid that enables continued progress and a cleaner energy future

GOVERNANCE AND MANAGEMENT



Create extraordinary shareowner value

Create long-term value for shareowners through fiscal discipline, continuous improvement, environmental stewardship and enduring strategic investments



Drive best-in-sector operational performance

Excel in safety, reliability, customer responsiveness and energy efficiency while maintaining a culture that fosters innovation

SOCIAL RESPONSIBILITY



Exceed customer expectations

Provide energy safely, reliably and in an environmentally responsible manner at the lowest reasonable cost



Foster an exceptional workplace

Cultivate success by energizing an inclusive, respectful and diverse workplace that rewards performance, fosters professional development, encourages employee engagement and enables employees to achieve their full potential



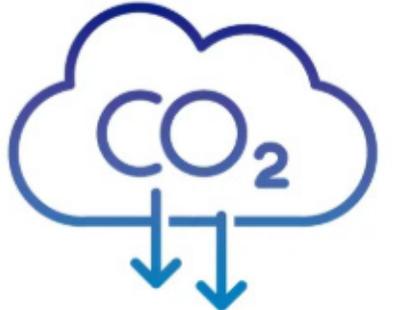
Strengthen communities

Empower the success of future generations by helping to build strong communities today

Sustainability Goals



PPL Corporation



**GOAL TO CUT
THE COMPANY'S
CARBON
EMISSIONS
80 PERCENT
FROM 2010 LEVELS
BY 2050.**



**INCREASED
USE OF
CLEAN ENERGY
SOURCES AND
LOWER-EMITTING
TECHNOLOGIES.**

**RETIRED
APPROXIMATELY
1200
MEGAWATTS
OF COAL CAPACITY
IN KENTUCKY.**

Advancing a cleaner energy future is one of the core commitments of PPL's sustainability strategy. We continue to take steps to minimize our impact on the environment, transform the way we generate electricity and incorporate new, lower-emitting technology.

Learn more at pplsustainability.com

PPL Electric Utilities – Environmental Focus

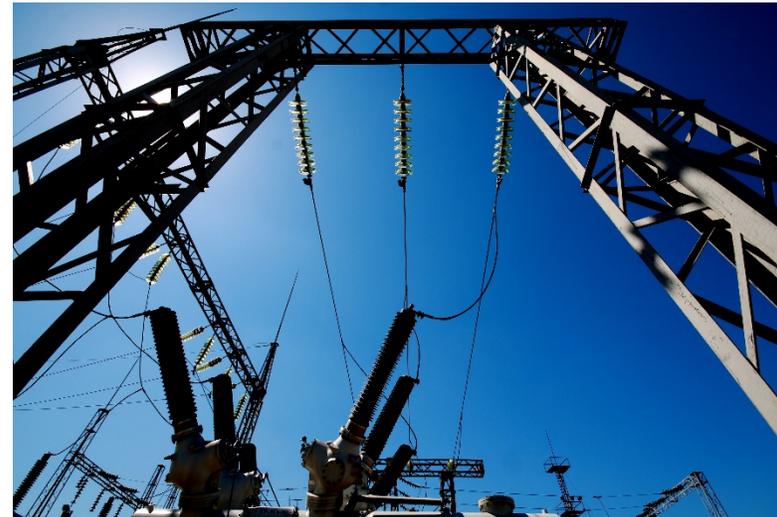
EVs and the PPL fleet

- Acquiring electric lift bucket trucks as older trucks are retired and replaced.
- Numerous Chevy Volts in company fleet



Sulfur Hexafluoride (SF6) gas reduction

- Acts as an insulator inside substation circuit breakers
- PPL is an industry leader in reduction of SF6 gas emissions.



Alternative Energy Portfolio Standards in PA

- PPL Electric Utilities is in full compliance with Pennsylvania's AEPS standards and continues to meet the obligations set forth by the legislature.
- AEPS requires that 18 percent of the electricity supplied by Pennsylvania's electric distribution companies (EDCs) and electric generation suppliers (EGSs) come from alternative energy resources by 2021.
- PPL only procures Alternative Energy Credits for default service customers, those who do not shop for their electricity supply.



PPL Electric Utilities

Environmental stewardship

- Appliance recycling
- Wood pole recycling
- Community Roots tree program



PPL Electric Utilities

- The energy landscape is changing fast as more renewable power is connecting to the grid.
- As a leading utility in the U.S., PPL Electric Utilities is at the forefront of providing for this evolution where the traditional one-way flow of power from the plant to the home is becoming a two-way street.



PPL Electric Utilities

Prepared today for tomorrow's energy needs

- Distributed Energy Resources Management System (**DERMS**) works seamlessly with an advanced Data Management System for improved reliability and power quality.
- DER integration with the existing grid must continue to be safe, reliable and affordable for all.
- PPL is making its grid smarter, stronger and more resilient, paving the way for more customers to adopt renewable energy.



PPL Electric Utilities

Low-income programs

WRAP Direct Install

- Energy audit
- Lighting
- Water saving / HPWH
- Customized EE
- Referrals

Home energy reports



PPL Electric Utilities

Business programs

We offer rebates on a wide variety of energy efficiency projects. These rebates can help businesses reduce payback time and offset the cost of energy efficiency upgrades.



PPL's Role in the Carlisle CAP

- Committed to being a fully engaged partner in both primary and sub-committees, focused on supporting the city and its residents, our customers.
- Energy efficiency programs for city buildings that include energy audits and rebates for qualifying upgrades, such as lighting.
- Coordination on EV charging locations
- Environmentally-focused programs such as appliance recycling and the Community Roots tree program.



PPL Electric Utilities

Issues for further discussion



- City's priorities and preferences
- Heavy focus on electricity sourcing to reduce carbon dioxide emissions
- Direct and indirect impact of COVID-19
- Clarity needed around how goals and targets will be evaluated, set and implemented
- State and Federal regulations and laws necessary to achieve the city's goals
- Next steps

