



Mount Vernon Connected Community Roadmap Date

Project Background

District Department of Energy and Environment and Pepco Partnership

The District Department of Energy and Environment (DOEE) and Pepco, in partnership with community residents and stakeholders, will design and implement a Connected Community Roadmap for Mt. Vernon and surrounding Shaw, Northwest One, and NoMa neighborhoods in the District of Columbia.



Purpose and Need

Purpose

- To advance a clean energy future for customers in support of the District's clean energy goals
- Meet the energy needs of the community
- Implement solutions, supported by residents and businesses, to defer the need for an additional transformer at the new substation
- Evaluate new technologies to address the community's energy priorities. (solar, Wi-Fi Customer Support kiosks, energy efficiency measures, etc.)
- Make the community more energy resilient

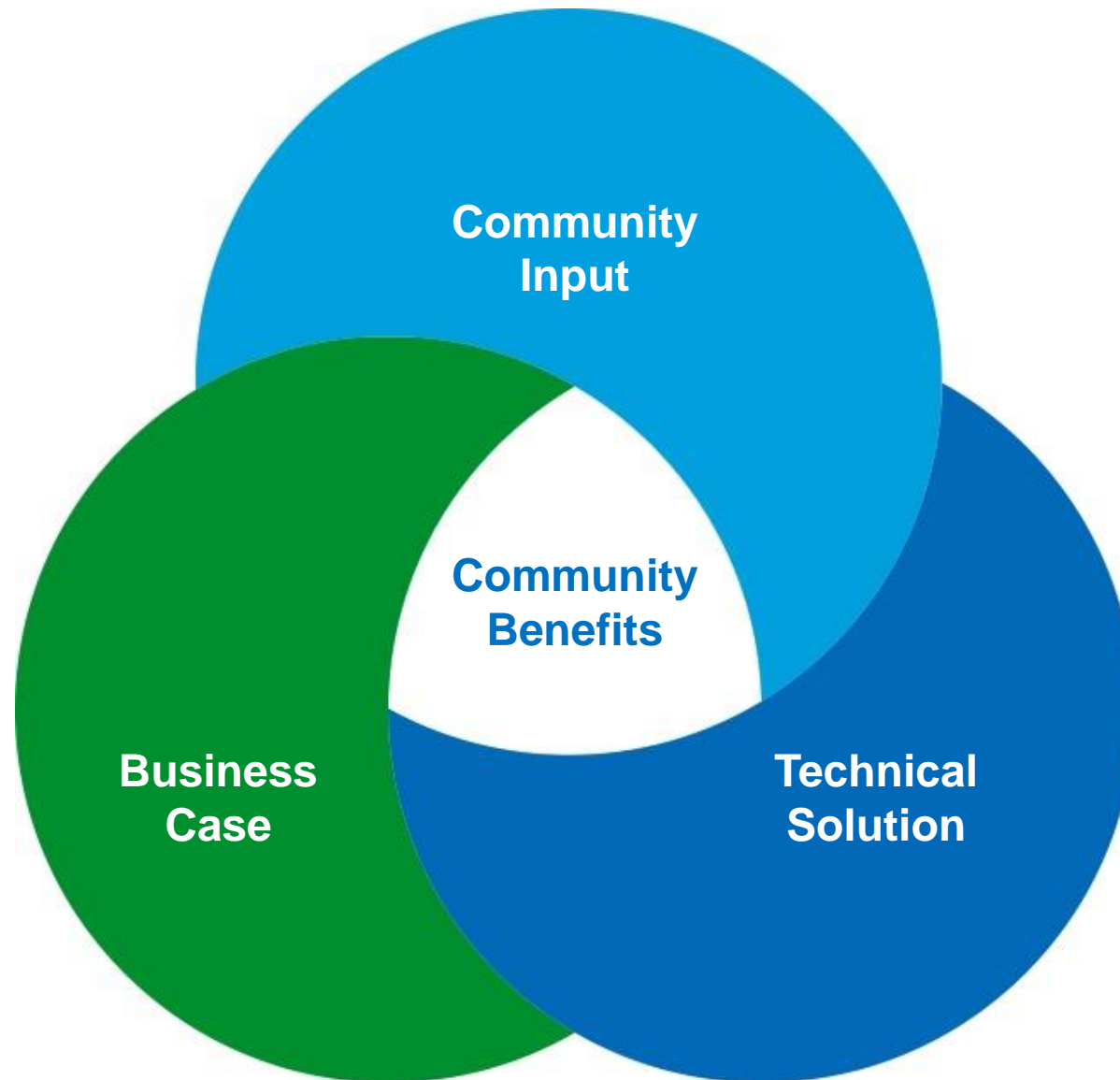


Need

- Identify solutions to defer the need for an additional transformer at the Mt. Vernon Substation
- Reduce customer energy usage in the Mt. Vernon community

Mount Vernon Connected Community Approach

Connected Community Roadmap Approach




Stakeholder Approach

We are committed to engaging stakeholders and the community throughout the design of the Mount Vernon Connected Community Roadmap.

Stakeholders include:

- District of Columbia leadership (ANC, Councilmembers, and MOCRS)
- Property managers
- Businesses, retailers, religious centers, schools
- Business organizations
- Subject matter experts on smart city, energy efficiency, and environmental justice.



MOUNT VERNON CONNECTED COMMUNITY ROADMAP

Potomac Electric Power Company (Pepco), in collaboration with the District Department of Energy and Environment (DOEE), would like to invite you to participate in our Connected Community initiative for the Mt. Vernon Substation. Based on your experience [working with this community/on energy usage/on equity and inclusion/on smart building integration capabilities/closing the digital divide] and strong ties to the community, we invite you to participate in a Connected Community workshop on [insert Date].

Together, DOEE and Pepco, with community input, will design a Connected Community Roadmap for the Mount Vernon community and surrounding Shaw, Northwest One, and NoMa neighborhoods to support the District of Columbia's vision for an inclusive clean energy future. The roadmap will outline the ways that Pepco can leverage emerging technologies while continuing to deliver equitable benefits to customers, support local clean energy and grid modernization goals, and address operational needs.

Date: TBD
Time: TBD
Where: Teams Link

For more information visit:
pepco.com or scan here

DEPARTMENT OF ENERGY & ENVIRONMENT
GOVERNMENT OF THE DISTRICT OF COLUMBIA
MURIEL BOWSER, MAYOR

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Roadmap Goals and Timeline



July – October 2021
Collect community and
stakeholder input

November 2021
Host Design Visioning
Community Workshop

January 2022
Incorporate the public's
input and develop the
Mount Vernon Connected
Community Roadmap

Community Benefits

The energy-efficient upgrades and ideas to be included in the Roadmap will benefit the community by:


- Providing safe, clean, and reliable electricity
- Creating eco-friendly enhancements to an environmentally safe facility
- Increasing sustainability through energy efficiency
- Promoting equity, public health, environmental stewardship, and green job creation
- Supporting the District of Columbia's clean energy goals



Functionality of Proposed Solutions

- Energy efficiency measures
- Smart Energy Kits
- Clean energy generation (solar)
- Energy storage systems
- Electric Vehicle (EV) charging stations
- Smart city sensors
- Wi-Fi Customer Support kiosks
- Programs that provide smart energy and information technologies to all





Energy storage systems that enhance reliability and resiliency

Residents have access to **advanced analytics**, dashboards for clean energy generation performance, smart city sensor readouts, etc.

Homes and business easily access energy efficiency and “smart building” offerings via energy audits and “smart home” and “smart business” kits

Smart buildings use technologies to manage energy usage and optimize building system performance

Smart city sensors provide a variety of services (e.g., air quality monitoring, gunshot detection, traffic monitoring and control)

Community resiliency hubs improve resident safety and access to critical services during emergencies

Safety by detecting outages and using customized control settings, and are in-line with historic community aesthetics

Electrified transport is integrated into everyday life for both private vehicles and public transport (e.g., EV bus charging infrastructure)

Possible solutions are supported by a secure, reliable digital communications network

Next Steps

- **Hold community and stakeholder meetings and interviews June – February 2022 with:**
 - **Community Meeting October 18, 2021**
 - Mt. Vernon Substation Community Advisory Group (CAG)
 - District of Columbia Officials
 - Property Managers/ Affordable Housing
 - Residents, Businesses, Retailers, Religious Centers, Schools
 - Business Organizations
 - Subject Matter Experts on Connected Community /Smart City
 - Subject Matter Experts on Energy Efficiency
 - Environmental Organizations

Open Forum