



November, 21, 2024

District of Columbia Power Line Undergrounding (DC PLUG) – November 2024 Update

DC PLUG Team | Marc Ferere

www.dcpluginfo.com



Agenda

Introductions

DC PLUG Background

Current Status

Education, Outreach, and Advertising

Cost & Budget

DC PLUG Background

DC Plug Program

The District of Columbia Power Line Undergrounding (DC PLUG) initiative is a partnership between the District of Columbia Government and Pepco to improve the resiliency of the District of Columbia's electric system.

This multi-year initiative, estimated at \$500 million, will selectively underground 20 feeders in the District that were most affected by storms and overhead-related outages.

The move is expected to improve reliability of selected lines by an estimated 95 percent and make the local energy grid more resilient against more frequent and severe weather.

Feeder Selection Process

- In selecting the feeders, DDOT and Pepco followed a five-step process:
- Based on data from January 1, 2010 through December 31, 2017, ranked feeders by historical reliability and customer minutes of interruptions reduced per dollar spent (SAIFI, SAIDI, CMI/\$).
- Identified the highest-ranked feeders in each of the five Wards (Wards 3, 4, 5, 7 and 8) of the District of Columbia characterized by a large concentration of overhead power lines and susceptibility to overhead outages.
- Analyzed ongoing reliability work as well as current and planned system work.
- Identified opportunities to take advantage of existing or planned DDOT roadway reconstruction projects.
- Finalized the feeder selection for inclusion in the Biennial Plan.



DC Plug Background

Background & Timeline

- Aug 2012**
The Mayor's Power Line Undergrounding Task Force establishment
- May 2013**
The Task Force recommended a partnership between Pepco and the District of Columbia
- May 2014**
The Electric Company Infrastructure Improvement Financing Act became law
- May 2017**
Council of the District of Columbia amended the law
- Nov 2017**
Approval from Public Service Commission of the District of Columbia on the First Biennial Plan
- Jan 2020**
Approval from Public Service Commission of the District of Columbia on the Second Biennial Plan
- Jan 2022**
Approval from Public Service Commission of the District of Columbia on the Third Biennial Plan

Budget

Pepco Portion

\$250 Million

- ❖ Recovered through Pepco Underground Project Charge

District Portion

\$187.5 Million

- ❖ Recovered through Underground Rider

DDOT

up to \$62.5 Million

- ❖ DDOT Capital Improvement Funding



DC PLUG will provide resiliency against major storms and improve the reliability of the electric system



Multi-year program to underground up to 30 of the most vulnerable overhead distribution lines, spanning over 6-8 years with work beginning in early 2019

Current Status

Feeder Statuses

Biennial	Feeder	Ward	Civil Engineering Status	Civil Construction Status	Electrical Engineering Status	Electrical Construction Status
1st	308	3	Complete	Complete	Complete	Complete
	14900	4	Complete	Complete	Complete	Complete
	368	7	Complete	Complete	Complete	Complete
	14758	8	Complete	Complete	100% Design	Q2 2025
	15009	4	Complete	Complete	Complete	Q2 2025
	14007	5	PS&E Phase	Q3 2025	Q1 2026	Q1 2027
2nd	15001	4	Complete	49% Complete	Q3 2025	Q4 2026
	14008	5	Complete	99% Complete	Complete	Q1 2025
	15166	8	Complete	70% Complete	60% Design	Q4 2026
	14767	3	PS&E Phase	Q3 2025	Q2 2027	Q1 2028
	15171	8	PS&E Phase	Q3 2025	Q2 2026	Q2 2027
	14702/118	7	Complete	Q1 2025	Q4 2025	Q4 2026
	15021	7	PS&E Phase	Q4 2025	Q1 2027	Q2 2028
	467	4	PS&E Phase	Q3 2025	Q3 2025	Q3 2026
	14093	5	PS&E Phase	Q3 2025	Q1 2026	Q2 2027
3rd	347	8	PS&E Phase	Q4 2025	Q2 2024	Q3 2026
	75	5	PS&E Phase	Q3 2025	Q2 2025	Q2 2026
	14009	3	PS&E Phase	Q3 2025	Q3 2025	Q4 2026
	15174	4	PS&E Phase	Q4 2025	Q3 2025	Q1 2027

DC PLUG Feeder Map & Timeline

2017-2019

1st Biennial Plan
Approved – Nov. 2017

2nd Biennial Plan
Approved – Jan. 2020

Feeders 308 & 14900
Civil Designs began – 2017
Civil Construction began – 2019

2020-2022

1st Biennial Plan
Civil Designs began – April 2020
Civil Construction began – Feb. 2022

2nd Biennial Plan
Civil Designs began – April 2021

3rd Biennial Plan
Approved – Jan. 2022

2023-2025

1st Biennial Plan
All Civil Designs completed – 2023
All Feeders in construction – 2025

2nd Biennial Plan
All Civil Design completed – 2024
Civil Construction began – 2023

3rd Biennial Plan
Civil Designs began – Feb. 2023
All Civil Designs completed – 2024
Civil Construction to begin – 2025

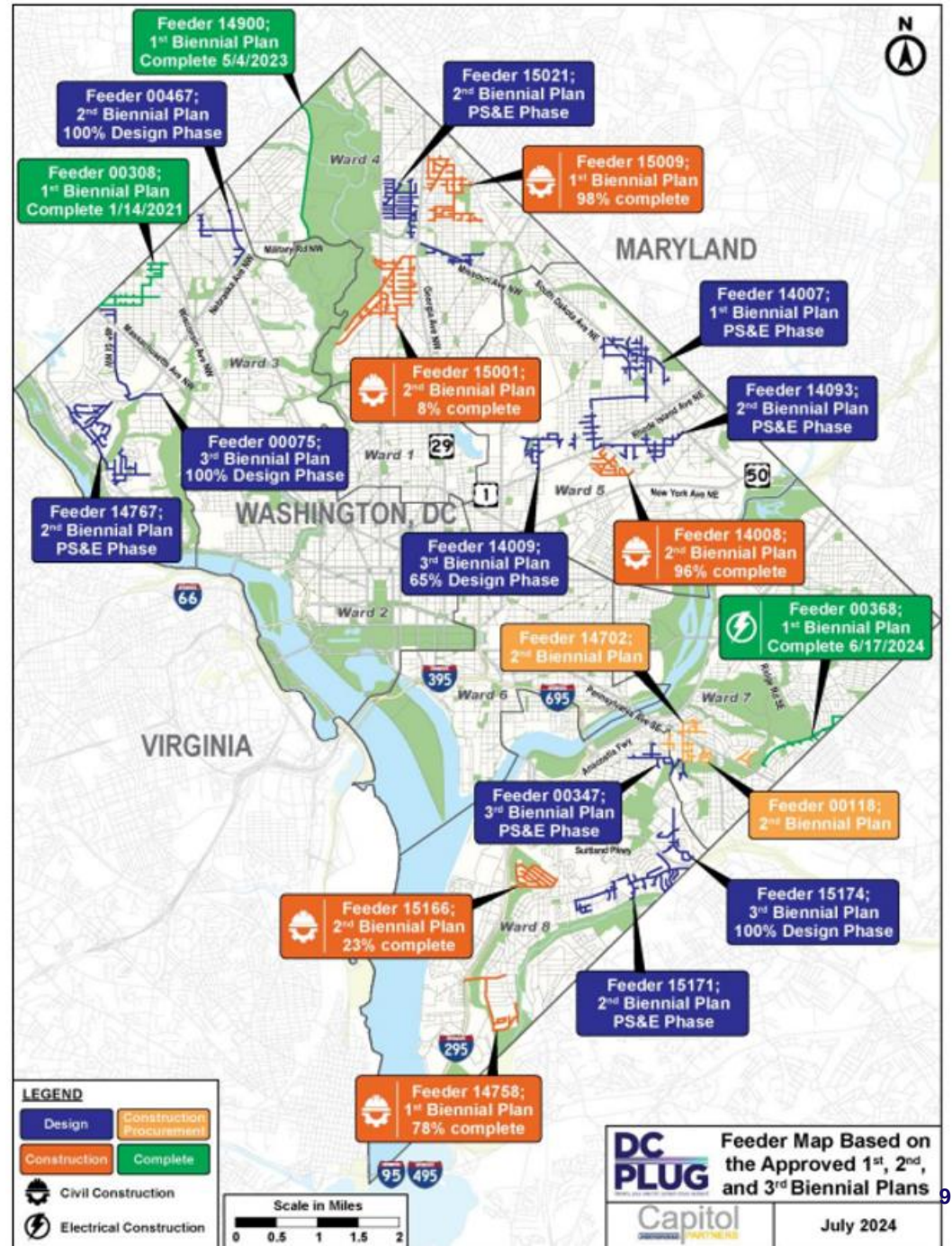
2026-2029

1st Biennial Plan
All feeders in service – 2028

2nd Biennial Plan
All feeders in service – 2029

3rd Biennial Plan
All feeders in service – 2028

FEEDER MAP



Cost & Budget

Cost Sharing



Budget

Pepco Portion

\$250 Million

* Recovered through Pepco Underground Project Charge

District Portion

\$187.5 Million

* Recovered through Underground Rider

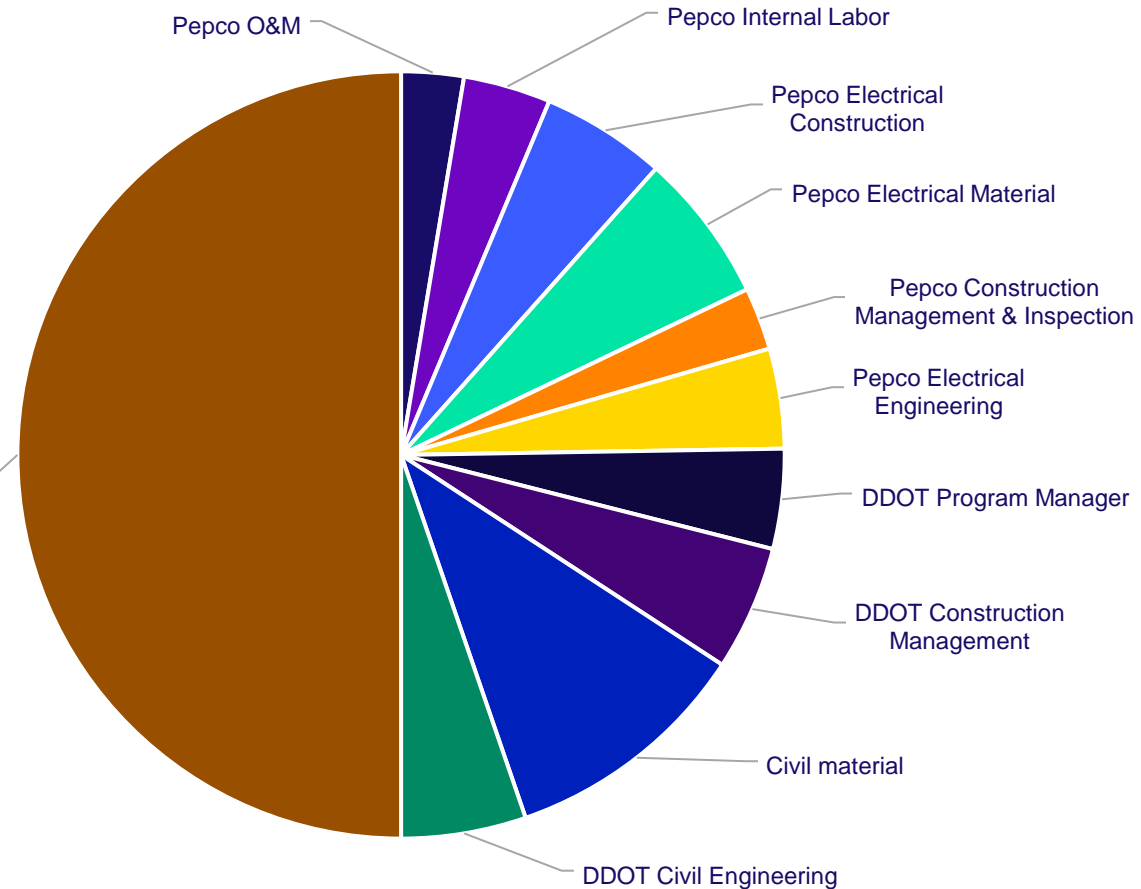
DDOT

up to \$62.5 Million

DDOT Capital Improvement Funding

**DDOT/
District
\$250 Million**

DDOT Civil Construction



**Pepco
\$250 Million**

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Education, Outreach & Advertising

Education Plan Summary

DC PLUG Community Contact Information
 24 Hour Hotline: 844-758-4146 | questions@dcpluginfo.com



Sample Collateral



Advertising Examples





Thank you