



DC Smart Street Lighting WASHINGTON, DC

Project Type: Energy/Broadband

Agency Owner Name: District Department of Transportation (DDOT)
Office of Public-Private Partnerships (OP3)

Financial Close: May 2022

Delivery Structure and Term: 15 year Availability-Based Design Build Finance Maintain

Cost to Design and Construct: \$309 million

THE CHALLENGE: Modernize the streetlight network in support of the District's Vision Zero campaign, which is designed to improve pedestrian and bicycle transportation safety and reduce fatalities and serious injuries to travelers of the DC transportation system.

THE SOLUTION: The project will convert the city's more than 75,000 street and alley lights to energy-efficient LED Technology with remote monitoring and control capabilities. This modern infrastructure will reduce the lights' energy usage by more than 50%, eliminating 38,000 tons of greenhouse gas emissions each year. In addition, the project will extend Wi-Fi coverage to traditionally underserved neighborhoods. The project is considered the nation's largest urban streetlight modernization P3 project, and will be the District's first Public-Private Partnership.

CASE STUDY: DC STREETLIGHTING

THE OUTCOME:

Design to construction completion timeline: Under construction - estimated 1 year (May 2023 - May 2024)

How was the project financed/paid for? Combination of State and Federal Grant funding and Senior Secured Private Placement Debt

PROJECT TEAM:

Equity Provider: Plenary Americas, Phoenix Infrastructure, Kiewit Development Co.

Design-Build Contractor: ENGIE North America

Lead Design Firm: N/A

O&M Contractor: Equans

Additional Key Team Member: N/A

POLITICAL CONTEXT:

Recent Mayors: Vincent Gray 2011-2015, Muriel Bowser 2015 - present

Was there a city election prior to the project's completion? No

Was a new mayor elected prior to the project's completion? No

Does the state have P3 enabling statute? Yes

Did the city have certified P3 procurement staff? No

WHAT MAKES THIS A P3?

☒ Risk Transfer

☒ Long Term O&M

☒ Private Financing

☒ Performance Based

☒ Public Ground Ownership

☒ Public Purpose

