



E N G I E S o l a r

Adams Solar Information Session

April 8, 2020



Leading the Way for Tomorrow

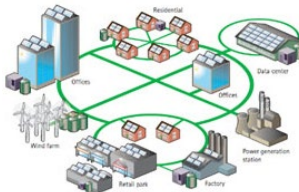


01 ENGIE Overview

ENGIE

Global Key Facts

- Focus on electricity, natural gas and energy services
- **U.S. \$70 billion** in 2018 revenues
- Present in **70 countries**
- **154,950 employees** working around the globe
- **No. 1** supplier of energy efficiency services in the world
- **No. 1** independent power producer worldwide with 115 GW in production
- **230** heating and cooling district networks in **13 countries**
- Named to the Dow Jones Sustainability World Index and Dow Jones Sustainability Europe Index, places ENGIE among the top 10% of sustainability-driven companies in its sector

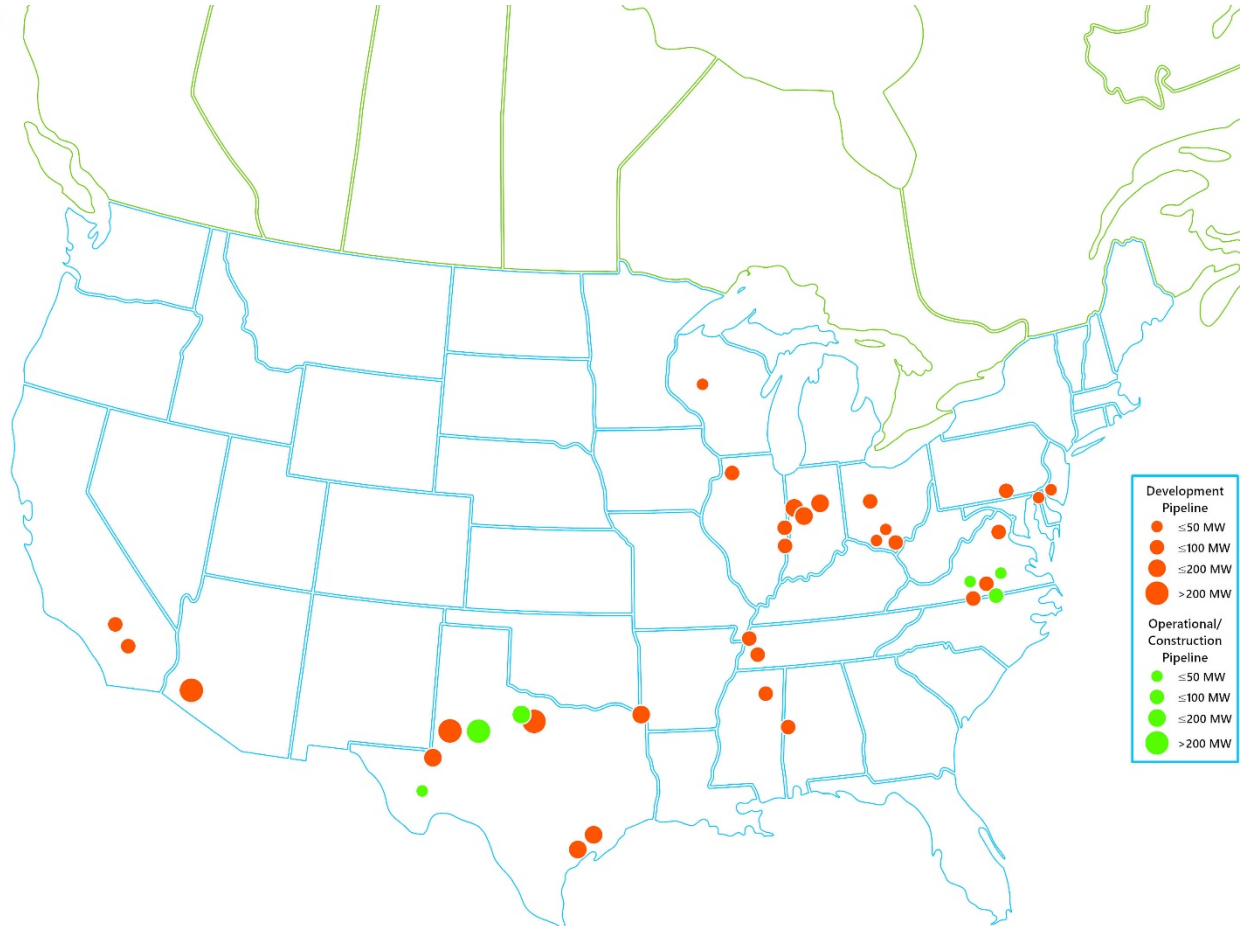


ENGIE North America

By the Numbers

- ENGIE and its affiliates have **operated in North America for over 40 years**, and our North American headquarters are located in Houston, TX
- No. 4** largest electricity supplier to commercial and industrial customers
- Help customers identify and achieve more than **\$5.2 billion** in energy and operational savings annually
- Managing **\$21.8 billion** of annual energy spend for more than **1,000 public and private sector clients**
- ENGIE provides 8% of the commercial electric load** in the US
- Corporate credit rating **A- / A2** (S&P / Moody's)

ENGIE Renewables Portfolio - North America



ENGIE Solar

Providing Customer Solutions

Design / Build

- In-house structural, electrical and civil engineering
- Solar + storage project design experience
- Focus on safety, quality and delivery of low cost solutions

Procurement

- Economies of scale to achieve lowest cost
- Quality control for consistent delivery
- R&D labs constantly evaluating new products in the market

Financing

- Financial structures for EPC, PPA and Leases
- Strong balance sheet partner
- Regulatory policy team to track, evaluate and manage incentives

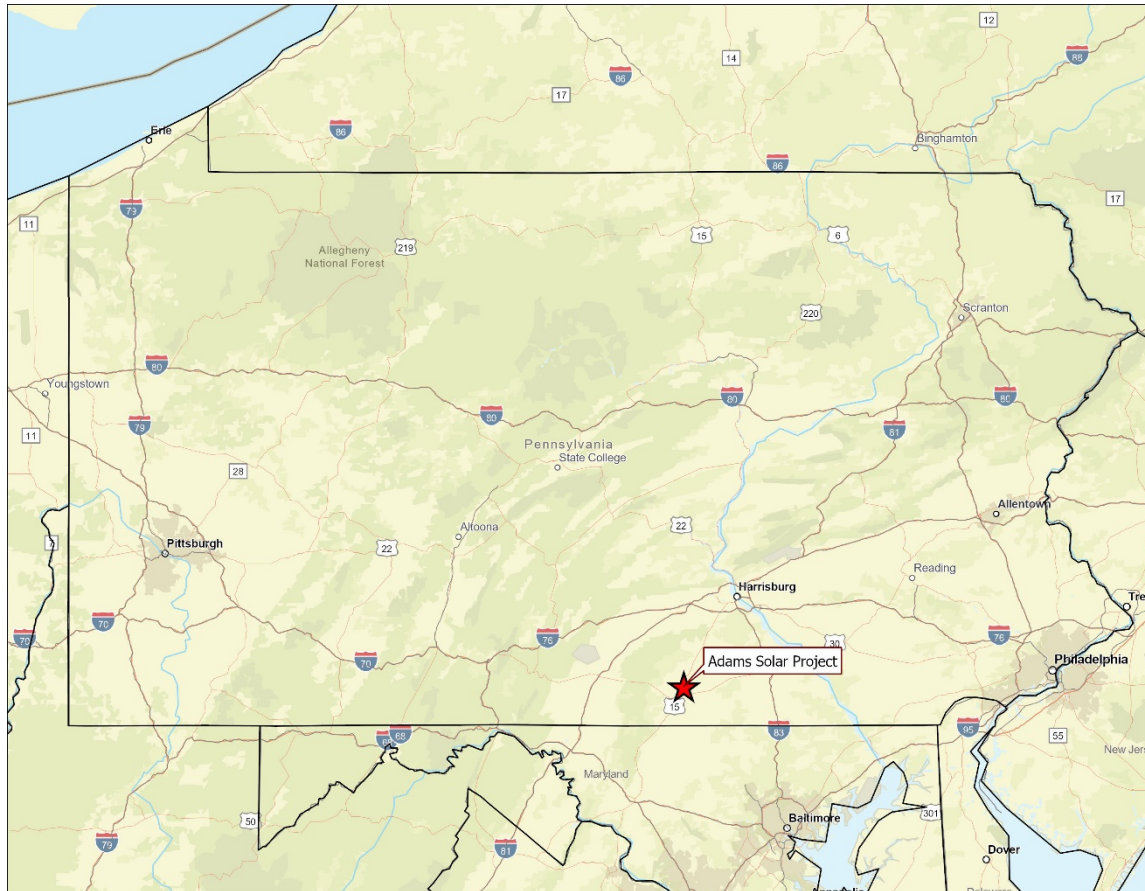
Operations

- In-house data scientists, asset management and field service coordination team
- Proactive system management

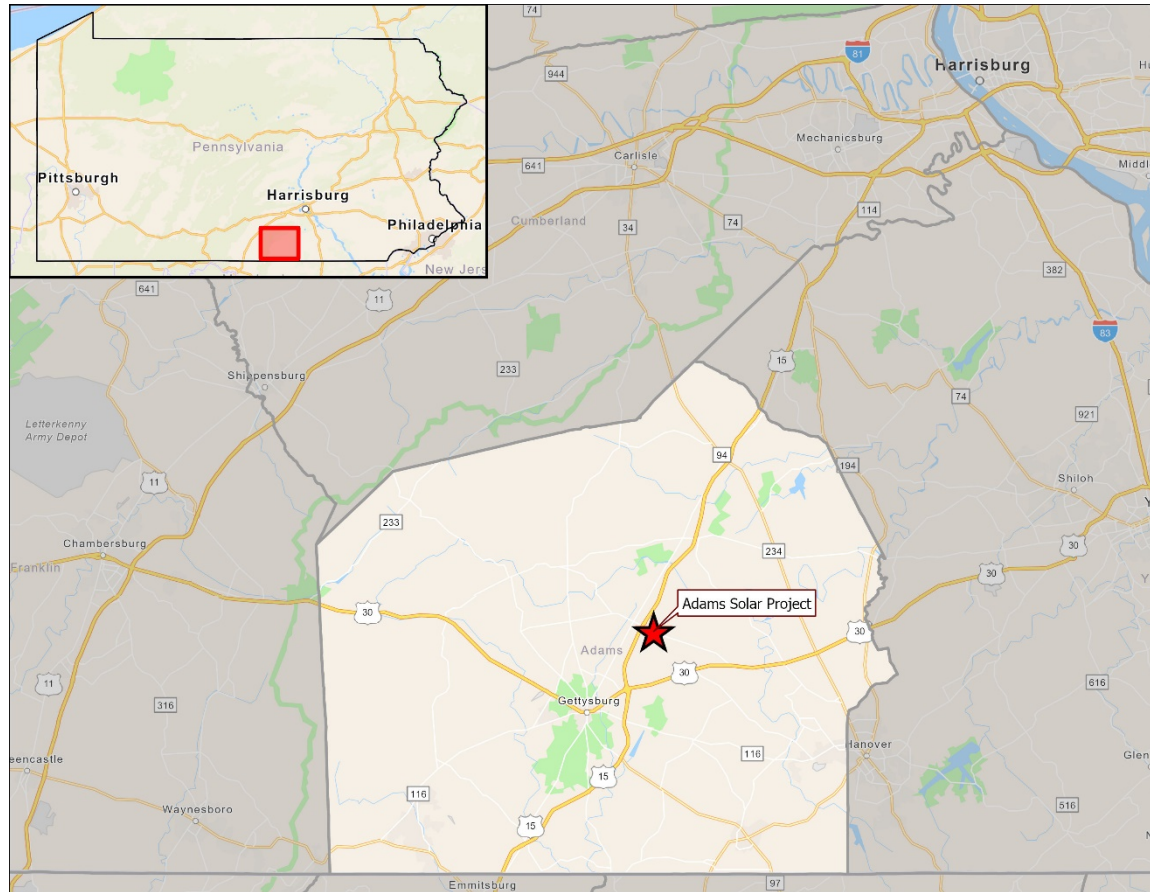


02 Solar Project Overview

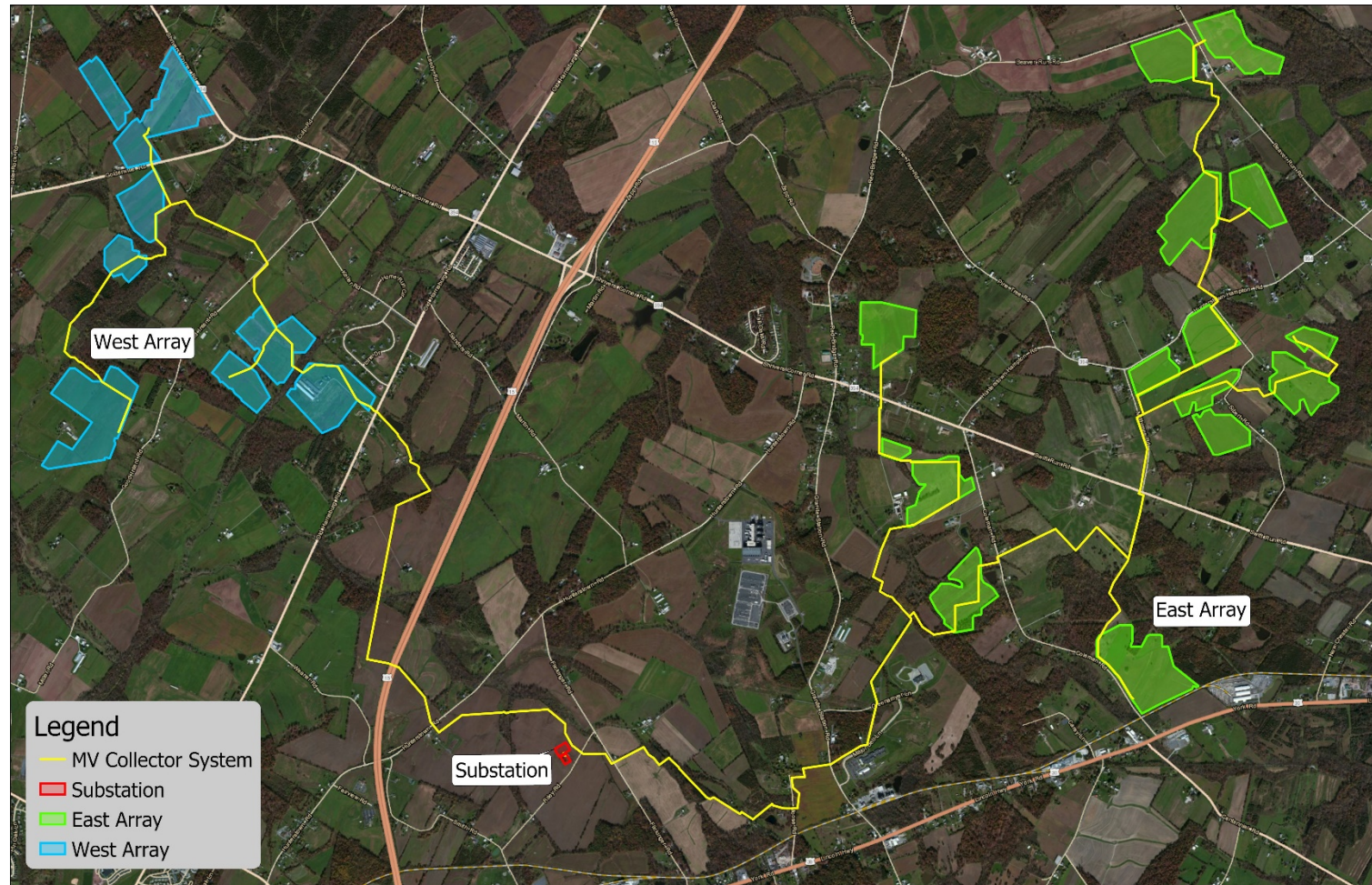
Adams Solar -- Approximately 100 Miles west of Philadelphia



Adams County, PA



Adams Solar Project Area



Project Timeline

- **Front End Development (12-24 months)**
 - **Site environmental due diligence and permit preparation**
 - State and Federal Environmental and Cultural Resources Review
 - Adams County and Straban Township permitting
 - **Transmission interconnection process (First Energy / PJM)**
 - **Power Purchase Agreement (PPA) with City of Philadelphia**
- **Pre-Construction (9-12 months)**
 - Design, equipment purchase, construction contracts, financing
- **Construction (12 months)**
- **Commissioning/In-Service Date: *target May 2021***

Required Sub-contractor Scope of Work

- Civil Work
- Fence Installation
- Pile Installation
- Tracker Installation
- Solar Module Installation
- Electrical Work

Solar Array – Simple Construction

I-beam posts every 30 feet (7-8 ft deep) – 80 panels per tracker row (~300 ft long)
Panels connected in series – plug together DC “string wiring”



Civil Work / Site Preparation



Fence Installation



Preparing Site for Piles



Driving Piles for Racking System



Building Single-Axis Tracker System



Trenching for the Electrical Collector System



Installing Electrical Collector System



Installing Solar Modules



ALPINE, TX – 50 Megawatts – Single Axis Trackers



Tracker rows are aligned north-south and rotate to follow the sun

Contacts

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