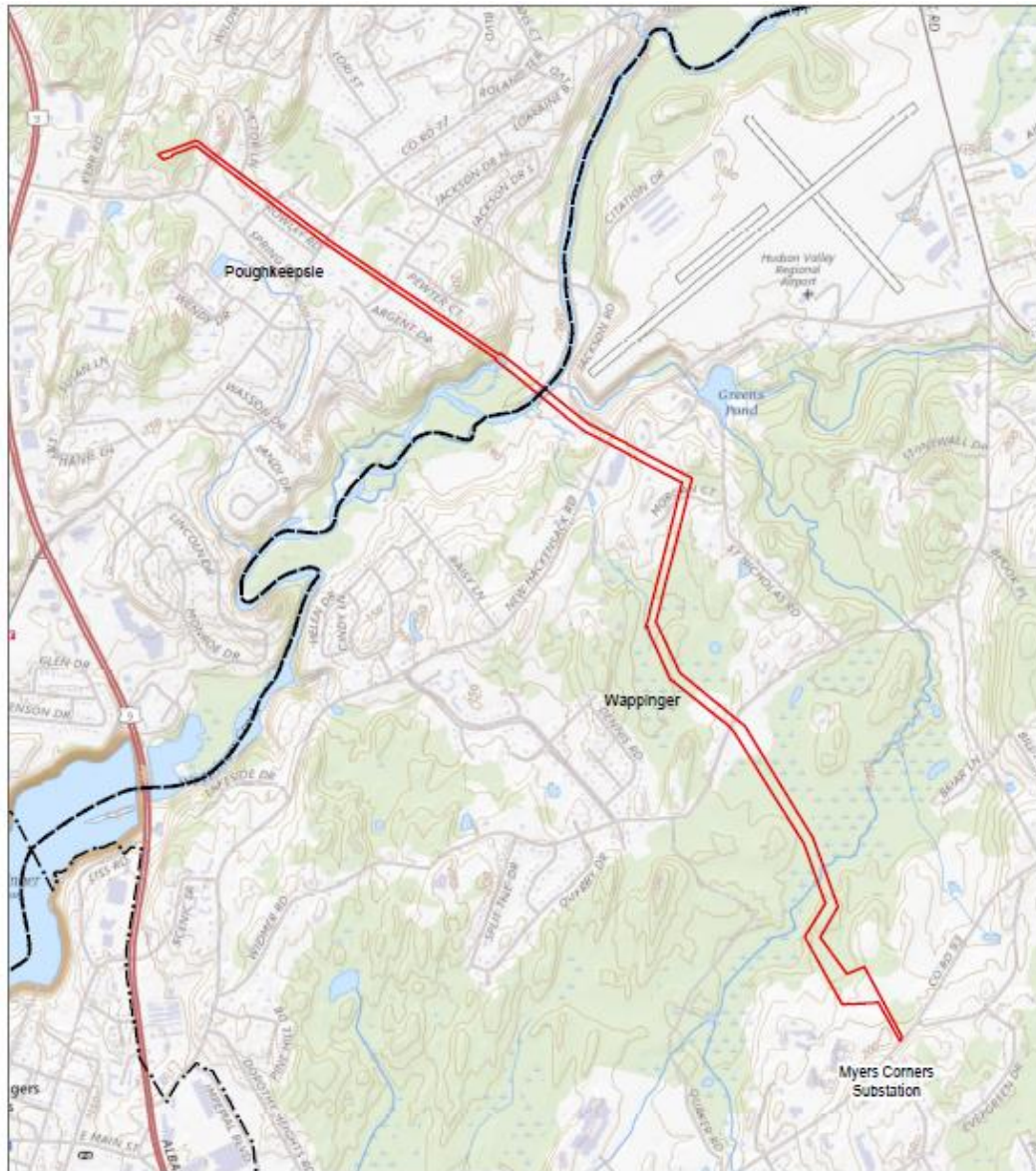


KM Line: 69 kV Electric Transmission Line Replacement

Town of Wappinger - Public Hearing
March 7, 2022

Project Location & Description



TOTAL DISTANCE:

KM Line: 2.8 miles

Tn of Wappinger: 1.7 miles

Tn of Poughkeepsie: 1.1 miles

History & Existing Conditions of the KM Line

- Wood pole construction (nearly one-hundred years old).
- Field inspections have identified significant amount of long-term degradation of poles & conductor wire.
- The overall infrastructure is reaching the end of its useful life.
- Existing design doesn't meet current standards.
- Central Hudson is obligated to maintain it's electric infrastructure, including electric transmission lines.
- Replacing the KM Line needs to be completed.

Benefits of KM Line Replacement

- Maintain reliable electric delivery.
- Increased storm hardening is beneficial to customers.
- New design will meet all current standards.
- Self-weathering brown steel poles are robust.
- Permanent removal of other inactive infrastructure within the same right-of-way.
- KM Line will stay in same right-of-way with generally same pole locations.
- KM Line voltage will remain the same (69kV).

Pole Information

KM LINE

	Number of Pole Locations	Avg. Pole Height (ft.)	Max. Pole Height (ft.)	Min. Pole Height (ft.)
Existing	49	54.5	78	33.5
Replacement	49	59.5	81.5	36.5
Change	0	5	3.5	3

Sampling of Existing KM Line (Pole Degradation)



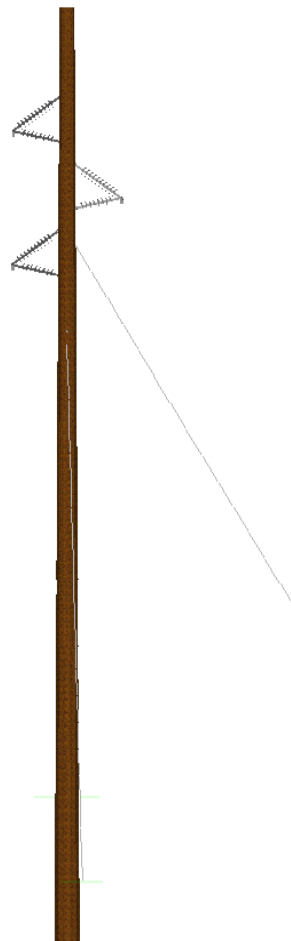
Sampling of Existing KM Line (Pole Degradation)



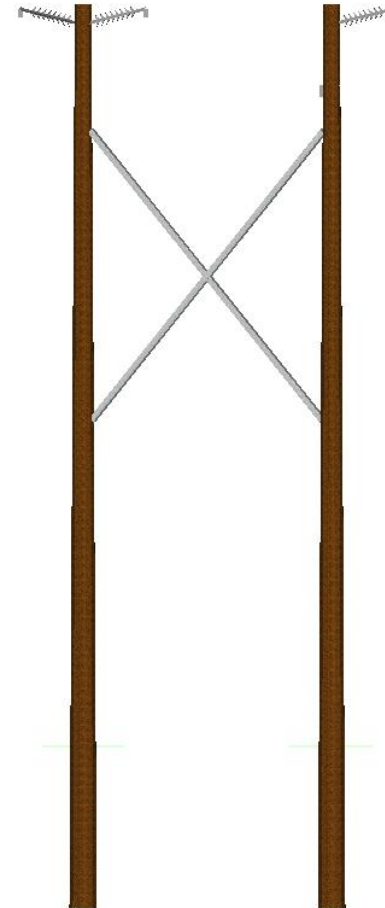
Existing & Replacement KM Line Pole (Views)



Existing & Replacement KM Line Pole (Views)



Existing & Replacement KM Line Pole (Views)



Planned Schedule

- Permit Applications submission in December 2021.
- Field work would start in August/September 2022.
- Project in service by December 2022 (weather permitting).
- Final restoration work completed thereafter (winter/spring 2023).

Summary of Site Plan Application Materials

- Application Forms
- Full EAF with Attachments, including:
 - Figures, including Location Map
 - Project Description
 - Evaluation of the Magnitude and Importance of Impacts
 - Agency Correspondence
 - Construction Information Summary
 - Visibility Report
 - Agricultural Data Statement
- Plan and Profile Drawings
- Stormwater Pollution Prevention Plan (SWPPP)
- Wetland Delineation Report

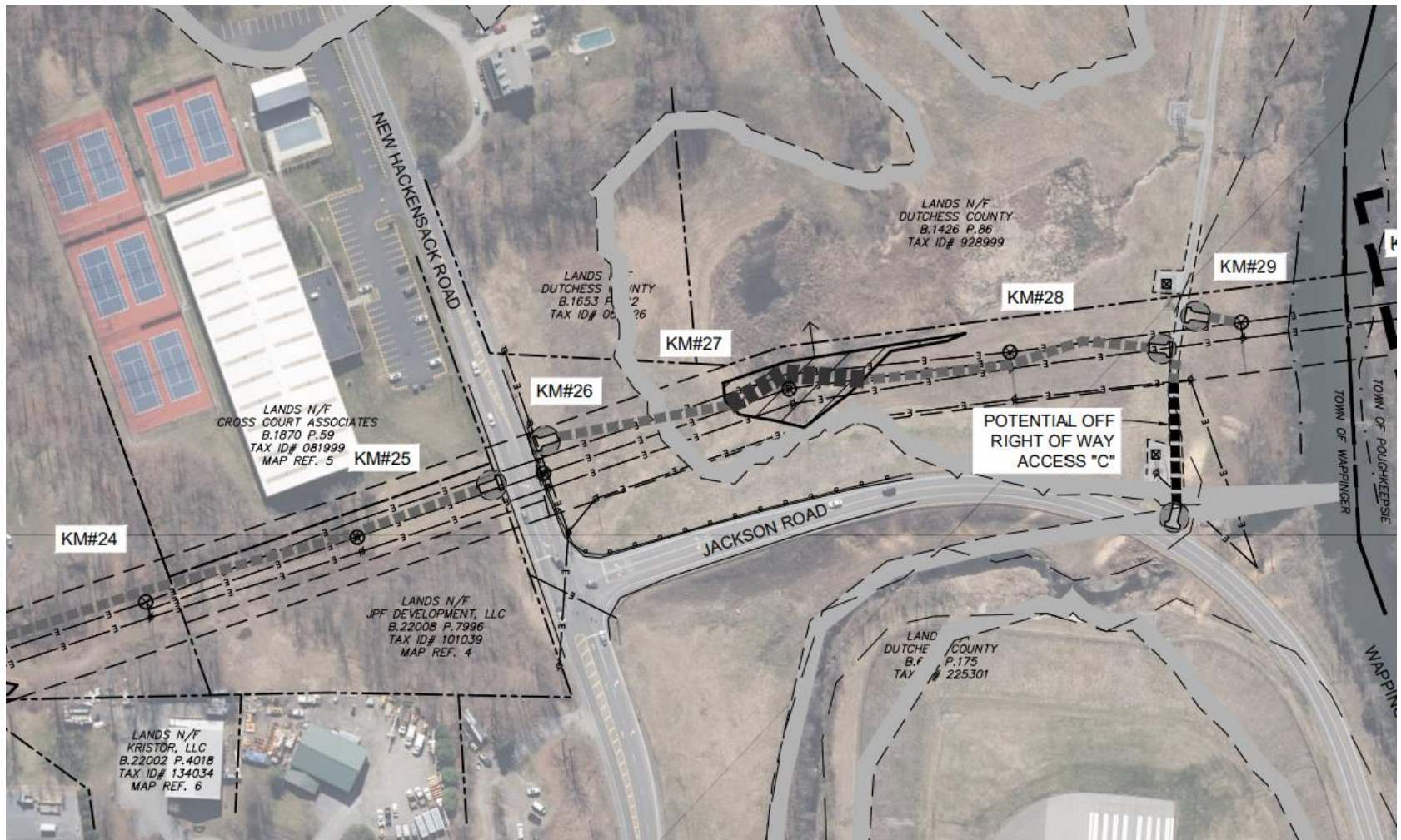
Environmental Overview

- SWPPP
 - SPDES-compliant, Project-specific SWPPP
 - Coordinate MS4 Approval, NOI Filing prior to Construction
- Wetlands and Floodplains
 - Minor Temporary Work Only
 - Impacts Avoided Through Matting
 - No Permanent Impacts or Change Conditions
- Agricultural
 - Few Isolated Locations within Agricultural District
 - Temporary Work Only
 - NYSAGM Guidelines Conformance

Environmental Overview

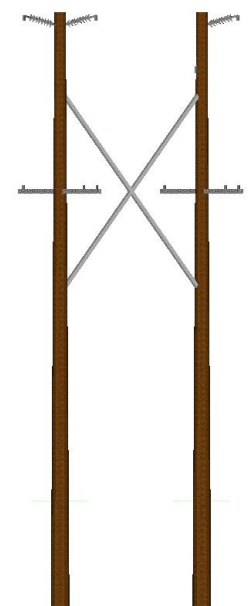
- Visual Report
 - Prepared by EDR visual experts
 - Comprised of multiple component
 - Viewshed
 - Visually Sensitive Receptors Assessment
 - Photo Documentation and Current Conditions
 - Simulations
 - Visibility Report: Documents Limited to No Change in character or conditions on ROW (one-for-one replacement)

Replacement KM#26 (FAA Lighting Review)



Existing & Replacement KM#26

- Three Poles to be Replaced by Two Poles
- KM#26 Located at Edge of Road, Adjacent to Airport
- Next to Existing Lit Intersection
- Viewshed is Primarily Associated with Airport



Replacement KM#26: Nighttime Condition

