



**CENTRAL MAINE  
POWER**

An AVANGRID Company

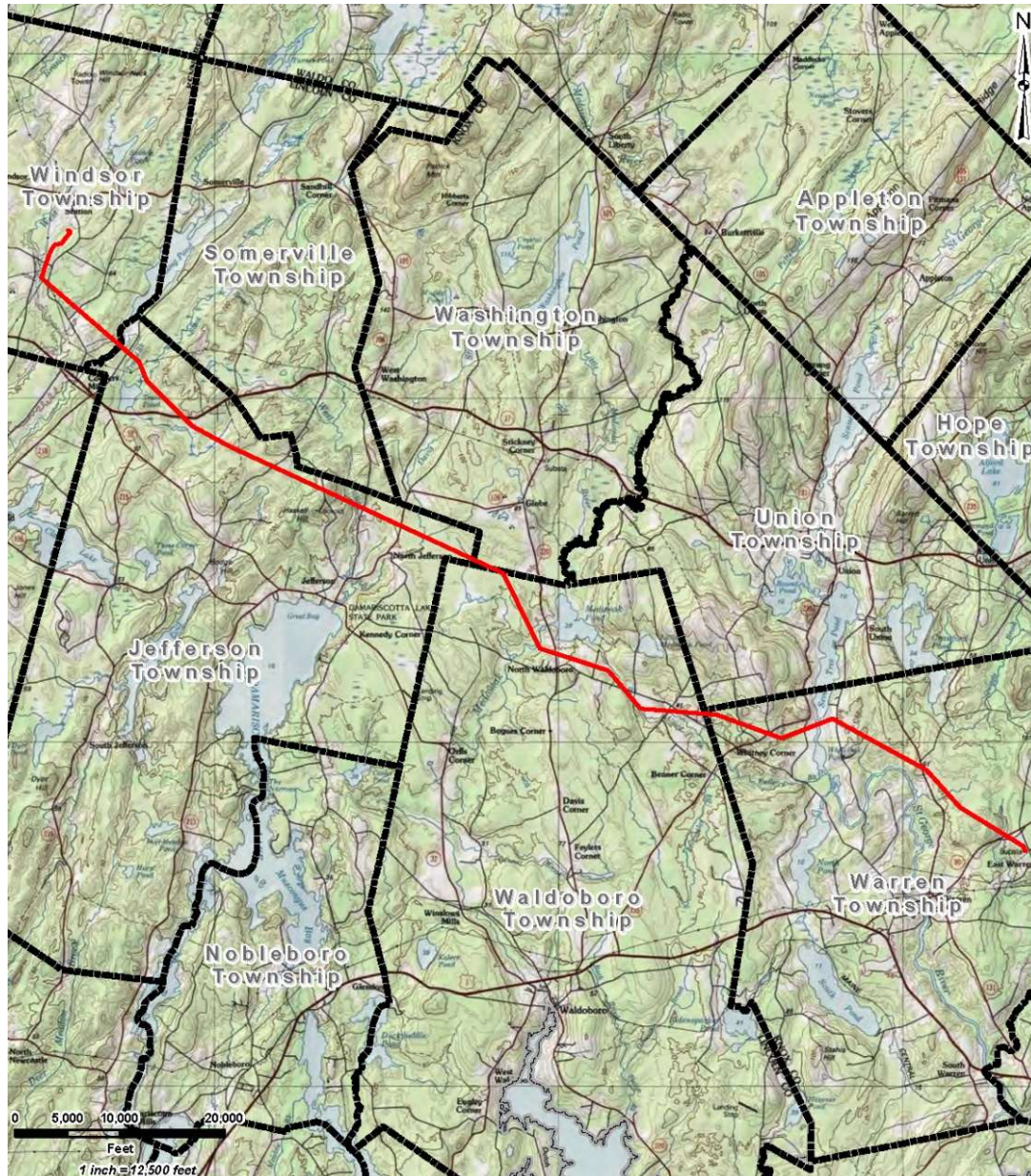
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# **SECTION 80 TRANSMISSION LINE REBUILD PROJECT**

## **Town of Windsor Planning Board**

**January 9, 2023**

## CMP's Section 80 Transmission Line: Existing Conditions



Section 80 is an existing 115-kilovolt transmission line that stretches from Coopers Mills Substation to Highland Substation (21.7 miles long).

It's located in Windsor, Washington, Jefferson, Waldoboro, and Warren.

## CMP's Section 80 Transmission Line: Existing Conditions

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- The existing line is an H-frame structure configuration and several three-pole dead structures.
- The conductor on the existing line is outmoded and becomes thermally overloaded under certain condition.
- The current line needs significant reliability improvements to mitigate capacity concerns and to meet current NERC standards.
- Our work will improve reliability and reduce strain on the grid.

## CMP's Structure 80 Transmission Line: Existing Conditions



Wingood Road. Present and Planned. Not shown is vegetation clearances.

- A modern line with new taller weatherized-brown steel monopole structures will be built offset south of the existing line in our existing right(s) of way (ROW). This will allow the existing line to stay in service during construction. When the new line is energized, the old line and structures will be removed.
- Tree removal/trimming will occur inside our ROW to ensure no limbs or “danger trees” will impact the new equipment.
- Abutters and neighbors are being contacted about the project and its impacts.

## Municipal Permits

- **Shoreland Zoning Permit**

- Temporary access roads located within shoreland zones associated with ROW stream crossings (two locations)
- Aerial line/conductor crossing of shoreland zones (two locations)
- Total temporary access road length within SLZ is 368 feet
- No proposed poles located with SLZ

- **Floodplain Management Permit**

- Temporary access roads located within floodplain associated with ROW stream crossings (one location)
- Aerial line/conductor crossing of floodplain (one location)
- Total temporary access road length within floodplain is 152 feet
- No proposed poles located within floodplain

# CMP's Structure 80 Transmission Line: Permits

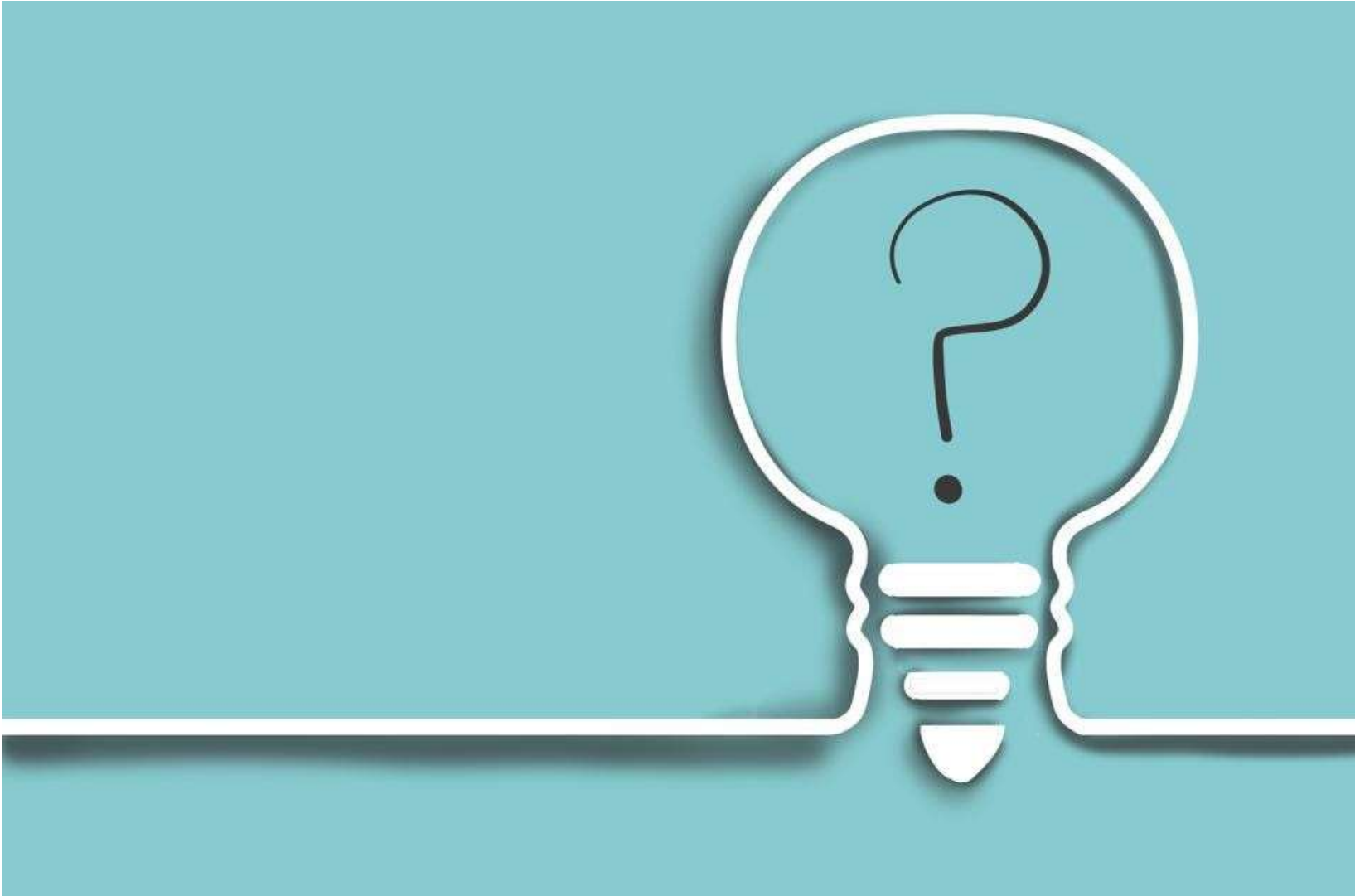
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## State and Federal Permitting

- **Maine DEP – Natural Resource Protection Act Tier 2 Permit**
- **U.S. Army Corps of Engineers – Pre-Construction Notification**
  - **Wetland Impacts in Windsor**
    - 0.62 acres of temporary impacts from placement of timber mats during construction
    - Eight (8) existing poles in wetlands to be removed
    - No new poles will be placed in wetlands

# CMP's Structure 80 Transmission Line: Questions

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Forbes magazine image.