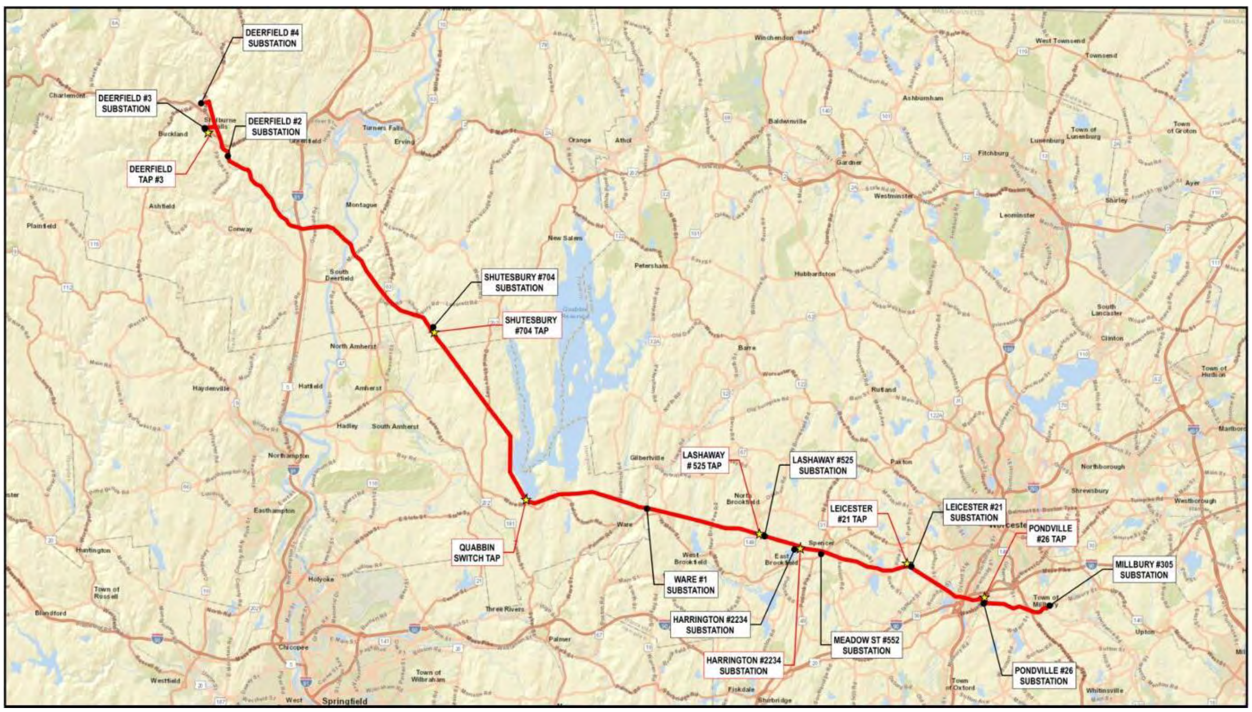
March 2025

# New England Power Company d/b/a National Grid Central to Western Massachusetts Energy Improvement Project

Application to Support the Petition before the Energy Facilities Siting Board

EFSB 25-01




*Millbury, Auburn, Leicester, Spencer, East Brookfield, North Brookfield, West Brookfield, Ware, Belchertown, Pelham, Shutesbury, Leverett, Sunderland, Deerfield, Conway, and Shelburne*

This document has been reviewed for Critical Energy Infrastructure Information (CEII)

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nationalgrid

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| Glossary | |
|---|---|
| ACEC | Areas of Critical Environmental Concern |
| ACSR | Aluminum Conductor, Steel Reinforced |
| ACSS | Aluminum-Conductor Steel-Supported Conductor |
| APE | Area of Potential Effects |
| APR | Agricultural Preservation Restriction |
| AR | Agriculture Restriction |
| BLSF | Bordering Land Subject to Flooding |
| BMPs | Best Management Practices |
| BVW | Bordering Vegetated Wetland |
| CGP | Construction General Permit |
| CMP | Conservation and Management Permit |
| CMR | Code of Massachusetts Regulations |
| Company | New England Power Company |
| CR | Conservation Restriction |
| CVP | Certified Vernal Pool |
| dB(A) | A-weighted Decibel |
| dB(C) | C-weighted Decibel |
| DCR | Department of Conservation and Recreation |
| DER | Distributed Energy Resources |
| DGA | Designated Geographic Area |
| DPU | Massachusetts Department of Public Utilities |
| EEA | Executive Office of Energy and Environmental Affairs |
| EENF | Expanded Environmental Notification Form |
| EF | Electric Field |
| EFI | Environmental Field Issue |
| EFSB | Energy Facility Siting Board |
| EIR | Environmental Impact Report |
| EJ | Environmental Justice |

| | |
|---|---|
| EMF | Electric and Magnetic Fields |
| ENF | Environmental Notification Form |
| EPA | U.S. Environmental Protection Agency |
| FERC | Federal Energy Regulatory Commission |
| ft | Feet/Foot |
| GHG | Greenhouse Gas |
| gpm | gallons per minute |
| GWSA | Global Warming Solutions Act |
| Hz | Hertz |
| ICNIRP | International Commission on Non-Ionizing Radiation Protection |
| IPaC | Information for Planning and Consultation |
| ISO-NE | Independent System Operator-New England |
| kcmil | Thousand Circular Mils |
| kV | Kilovolts |
| LiDAR | Light Detection and Ranging |
| MBTA | Massachusetts Bay Transportation Authority |
| MassDEP | Massachusetts Department of Environmental Protection |
| MassDOT | Massachusetts Department of Transportation |
| MassGIS | Massachusetts Geographic Information System |
| MECo | Massachusetts Electric Company |
| MEPA | Massachusetts Environmental Policy Act |
| MESA | Massachusetts Endangered Species Act |
| MF | Magnetic Fields |
| mG | Milligauss |
| MHC | Massachusetts Historical Commission |
| MUTCD | Uniform Traffic Control Devices |
| MVA | Mega Volt-Amp |
| MW | Megawatts |
| MWPA | Massachusetts Wetlands Protection Act |

| | |
|---|---|
| NEP | New England Power Company |
| NERC | American Electric Reliability Corporation |
| NESC | National Electrical Safety Code |
| NHD | National Hydrography Data |
| NHESP | Natural Heritage and Endangered Species Program |
| NHPA | National Historic Preservation Act |
| NOI | Notice of Intent |
| NPCC | Northeast Power Coordinating Council, Inc. |
| NPDES | National Pollutant Discharge Elimination System |
| NRHP | National Register of Historic Places |
| NWA | Non-Wires Alternative |
| OPGW | Optical Primary Ground Wires |
| ORW | Outstanding Resource Waters |
| OSHA | Occupational Safety and Health Administration |
| PAL | Public Archaeology Laboratory, Inc. |
| PCN | Pre-Construction Notification |
| PH | Priority Habitat |
| ROW | Right-of-Way |
| SHPO | State Historic Preservation Officer |
| SJC | Supreme Judicial Court |
| SIS | System Impact Studies |
| SWPPP | Stormwater Pollution Prevention Plan |
| TGP | Tennessee Gas Pipeline |
| TMPs | Traffic Management Plans |
| ULSD | Ultra-Low-Sulfur Diesel |
| USACE | United States Army Corps of Engineers |
| USFWS | United States Fish and Wildlife Service |
| USGS | United States Geological Survey |
| WCE | Walter Cowls Jones Working Forest Wildlife Conservation Easement |

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|---|---|
| WQC | Water Quality Certification |

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