

# Federal Funding Opportunities

Vermont System Planning Committee  
January 25, 2023

# Funding Opportunities

- IIJA 40101(d) – Preventing Outages and Enhancing the Resilience of the Electric Grid
- Grid Resilience and Innovation Partnerships (GRIP) Program
  - IIJA 40101(c) – Topic Area 1: Grid Resilience Grants
  - IIJA 40107 – Topic Area 2: Smart Grid Grants
  - IIJA 40103(b) – Topic Area 3: Grid Innovation Program (GIP)
- Transmission Facilitation Program

# Formula Grant Funding – 40101(d)

- \$2.5 billion formula grant
  - “Preventing Outages and Enhancing the Resilience of the Electric Grid/Hazard Hardening” - to improve the "Resilience of the grid against disruptive events"
  - Allocation to States and Indian Tribes pre-determined
  - \$3.2 million per year over five years to Vermont, \$16 million total
- Funding period set for 2022-2026
- Department set to submit application

# Competitive Funding – GRIP

- \$2.5 billion in Topic Area 1: Grid Resilience Grants (40101(c))
  - Preventing Outages and Enhancing the Resilience of the Electric Grid
  - Deadline passed; utilities submitted concept papers
- \$3 billion in Topic Area 2: Smart Grid Grants (40107)
  - “Deployment of Technologies to Enhance Grid Flexibility”
  - Deadline passed; utilities submitted concept papers
- \$5 billion in Topic Area 3: Grid Innovation Program (GIP) (40103(b))
  - “Upgrading Our Electric Grid and Ensuring Reliability and Resiliency”
  - Deadline passed; Department submitted concept papers with utility support

# GIP Concept Paper – NECPL

- New England Clean Power Link project developed by TDI-NE
- Received CPG in 2016
- Project details:
  - 1,000 MW HVDC from Canada to VELCO Coolidge substation
  - Cable buried under Lake Champlain and under roads
  - Bidirectional capability planned
- Project benefits:
  - Access to Canadian hydropower
  - Lake clean up funding, ratepayer support, property taxes
  - Export future wind during periods of high production

# GIP Concept Paper – Energy Storage

- Developed jointly with utilities
- Focus on resilience benefits to align with DOE criteria
- Various scales of battery storage proposed
  - In-home batteries (like GMP Powerwall program) for resilience
  - Distribution substation batteries for market participation
  - Transmission-connected battery (~10 MW) for transmission reliability
- Coordination of storage dispatch to ensure reliability and cost recovery
- Refinement of Time Series Power Flow (TSPF) planning tool

# Competitive Funding – TFP

- \$2.5 billion available
- TDI planning to submit concept paper for NECPL
- Department planning to review and contribute to filing
- Governor Scott's support expected
- TDI looking for support from other New England states