



# NWVT NTA Study Group

December 22, 2011

VELCO Operating Committee



# Context

- ISO-NE and VELCO have identified a reliability need in NWVT (also Central VT)
- Docket 7081 envisions the VDUs evaluating potential NTAs
  - Identify affected & lead DU, conduct NTA analysis
- Delay would pose some risk of a transmission solution being imposed to address the deficiency

# Proposed Approach

- Follow Docket 7081 vis. NTA analysis
  - All VT DUs “affected utilities”
  - GMP acts as lead DU
- Collaborative approach with VDUs
  - Shared model & discussions
  - VELCO input
- Develop good information, seek consensus on the preferred reliability solution

# Identify Potential Alternatives

Such as:

- Peaking capacity
- Energy efficiency
- Demand Response
- Farm methane
- Fuel cell
- Solar PV
- CHP
- Blends of these
- Hybrid
- Other?

# Screen Potential Alternatives

- Scale (MW)
- Cost (Market Test?)
- Location
- Timeline
- Feasibility (technical & financial)
- Risks
- Other ?

# Economics (Alternative Resource Scenarios or “ARCs”)

- Specific combinations of potential resources
  - Size, location, cost, etc.
- Benefit/cost analysis
  - Annual, and long-term
  - VT perspective
  - Societal perspective
  - Above-market costs

# Select Preferred Alternative

- Economics
- Robustness
- Risks
- Policy
- Other ??

# Way Forward on Alternatives

- DU study team refines work plan
- Develop a schedule
  - Will probably last several months
- Proceed