FERC Technical Conference
Generator Interconnection Queuing

New England Project Queuing

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January 21, 2003

New England Queue

- New England OATTs- Two-tier system
  - NEPOOL OATT – networked Pool Transmission Facilities
  - Individual TO OATTs – non-networked transmission facilities
- Queue "informally" established Mid-1997, part of NEPOOL OATT
- Formal Procedures- April 1998- NEPOOL Stakeholder process
- SIS scope changed- Bucksport order, Minimum Interconnection Standard adopted ("hold load harmless", similar to energy resource)
- NOATT changes 1999(?) shifted SIS, FS agreement responsibility from Transmission Owners to ISO New England
- One-stop shopping – single New England queue (interconnections to non-NOATT may elect application to New England queue)
- Single Queue for all NOATT service, 1st come, 1st served:
  - Long-Term Firm Point-to-Point
  - Generation Interconnection
  - Merchant Transmission Interconnection
  - Elective Transmission Expansion

New England Queue Stats

- Total Applications Received - 66,400 MW
- Total Withdrawn – 38,902 MW
- In service (9661 MW):
  - 1999 – 355 MW
  - 2000 – 1383 MW
  - 2001 – 1658 MW
  - 2002 – 2787 MW
  - 2003 – 3478 MW (projected for first half)
- Somewhere after SIS, but not yet operating
  - 2243 MW
- Under Study
  - Generation – 10767 MW
  - Interconnection of Merchant Transmission – 9020 MW
  - Elective Transmission – Approximately 150 MW
  - PtP – 1270 MW

New England Queue Features/Issues

- Flexibility (vs. time)
  - Interconnection Point(s) Determined Through SIS
  - Pursuit of Lowest Cost Interconnection
- New England transmission system is stressed - impacts studies: thermal, voltage, stability, short circuit, reclosing torsional stress
- Subordinate status vs. cluster restudy
- Construction sequencing
- "Expedited Interconnection" (skip FS) – effective, but need consistent IA
- No non-study Milestones except Site Control (good or bad?)
  - "Stale" projects increase risk of lower queued projects
  - One project's siting/financial problems should not become everybody elses
  - NEED A SIGNIFICANT FORM OF COMMITMENT !!
- All generators queued together, size relative to location naturally expedites study and limits cost. Everybody pays, avoids gaming and abuse
- One Interconnection Product, rely on Market structures to address Market locational requirements/mechanisms.
- Elective expansion available to address congestion, etc.
- Queue position trading would influence studies and system development