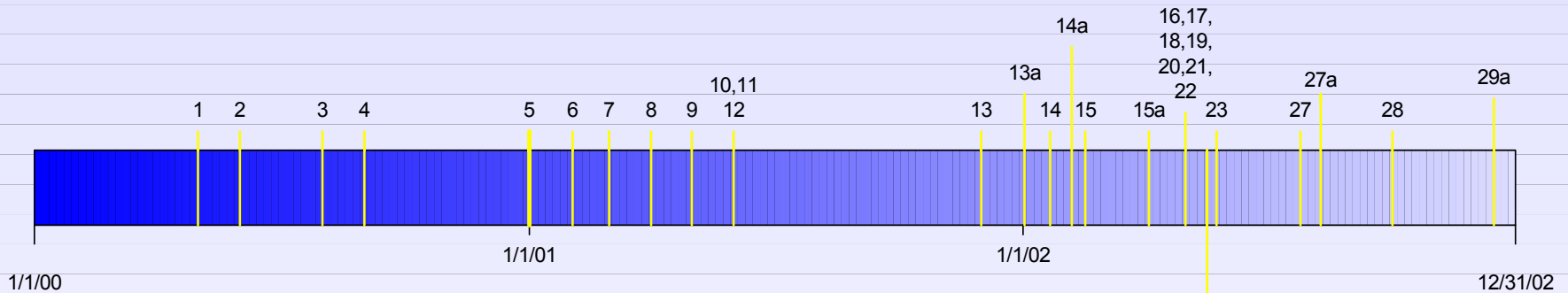


# Completed Northeast ISOs "Seams" Projects (2000 - 2002)



## Reference to Above Timeline of Projects \*

### 2000 Seams Projects

1. May - NY Emergency Transfer agreement with PJM
2. June - NYISO Data Feed for PJM E-data tool
3. August - NY Emergency Transfer agreement with New England
4. September - NY prevention of transaction bid production cost guarantee gaming

### 2001 Seams Projects

5. January - PJM changes timing requirements
6. February - NY reserve sharing with ISO-NE
7. March - NY transaction curtailment notification messages
8. April - PJM modifies NYPP-E /NYPP-W LMP definition
9. May - NY Emergency Transfer Agreement with HQ
10. June - NY's implementation of transaction scheduling desk
11. June - PJM implementation of CSS
12. June - PJM/NY coordination of in-day transaction schedules to help control ramping issues
13. December - NY multi-hour block transactions

### 2002 Seams Projects

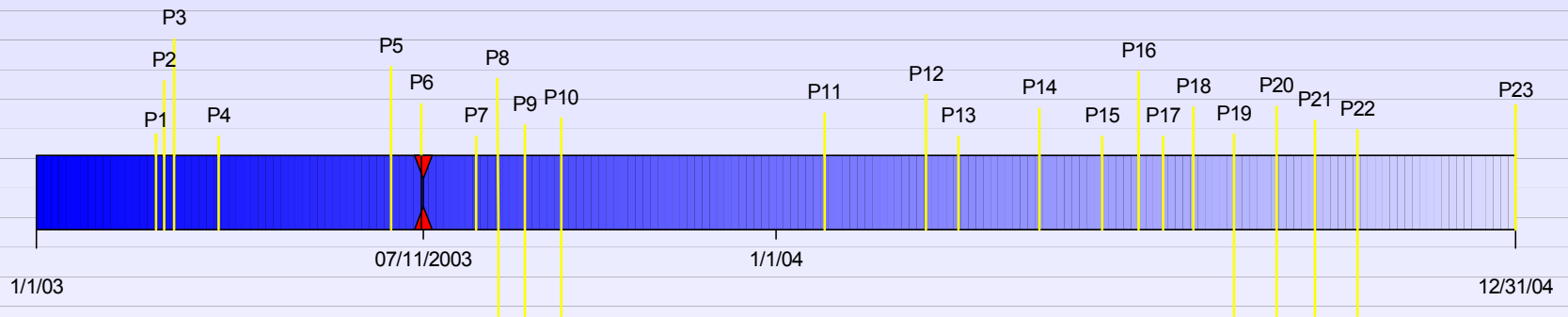
- 13a. January - ISO-NE and NYISO announce agreement to establish common market design and evaluate a single RTO
14. January - PJM implements NYIS interface LMP
- 14a. January - PJM and MISO announce plan to develop a joint and common wholesale market
15. February - NY transaction pre-scheduling
- 15a. April - PJM and Allegheny Power System form PJM West
16. May - ISO-NE changes to ICAP rules
17. May - ISO-NE rule changes to permit/facilitate SNETs from ISO-NE to NY
18. May - NY transactions reinstatement
19. May - NY hour-ahead closing time changed from 90 to 75 minutes
20. May - Interim transaction checkout between NYISO & ISO-NE
21. May - IMO seams initiatives
22. May - NY Emergency Transfer Agreement with IMO
23. May - NYISO filing for ICAP deliverability to PJM
- 23a. June - IMO, ISO-NE, NYISO sign agreement to work cooperatively to harmonize market rules, eliminate seams issues and develop larger markets
24. June - Display TTC /ATC for all interfaces on NPCC website
25. June - NY/PJM implement plan to enhance congestion management
26. June - NY and NE Area Control Error (ACE) diversity exchange initial deployment
27. July - NY in-day commitment and scheduling enhancements
- 27a. August - NPCC enhancement / expansion of Lake Erie emergency redispatch
28. October - NY interconnection agreement with HQ/TE \*\*
- 29a. December - PJM implements spinning reserves market

23a, 24,25,26

\* Descriptions of these projects may be found on the accompanying sheets.

\*\* Dates change - see detailed description document.

# Ongoing Northeast ISOs "Seams" Projects (2003 - 2004)



## Reference to Above Timeline of Projects

### 2003 Seams Projects (open)

- P1 March - (complete) ISO-NE implemented NE SMD1.0
- P2 March - (complete) ISO-NE UCAP implementation
- P3 March - (closed) NY new trading hubs
- P4 April (orig March 2003) NY Open Scheduling System (OSS) Phase1 (complete)
- P5 Projected Summer 2003 - NY MS-7040 transfer study
- P6 Projected Summer 2003 - Maritimes to become participants in ACE Diversity Interchange Process
- P7 Projected 2003 (orig date Dec 2002) Coordination of controllable tie lines (Phase Angle Regulators) between NY and PJM
- P8 Projected 2003 - NY Open Scheduling System (OSS) Phase II
- P9 Projected 2003 (orig projected June 2003) - Lake Erie system redispatch project implementation
- P10 Projected 2003 - Expansion of Regional Reserve Sharing

### 2004 Seams Projects (open)

- P11 1st Quarter (orig date 2003) Harmonize New York Demand Response Programs with ISO-NE
- P12 2nd Quarter - (orig date 2003) NY Real-time Scheduling (RTS) implementation and NY SMD 2.0
- P13 2nd Quarter - (orig date 2003) (closed) NY to implement NY SMD 2.0
- P14 Projected 2004 - NY-HQ-ISONE HVDC interconnections
- P15 Projected 2004 - (orig date 2003 but changed as a result of SMD NOPR) - Regional Resource Adequacy Model (RAM) Group (formerly JCAG Working Group)
- P16 Projected 2004 (orig projected 2003) - NY TCC options for external interfaces
- P17 Projected 2004 (orig projected 2003) Establish requirements for external 30-min reserves participation in NY
- P18 Projected 2004 - Virtual Regional Dispatch (formerly Regional Dispatch Coordination)
- P19 Projected 2004 - Partial unit ICAP sales
- P20 Projected 2004 - Elimination of Rate Pancaking
- P21 Projected 2004 - NY Green Power attributes trading
- P22 Projected 2004 - NY-NE Coordination for the Cross Sound Cable (CSC) Project
- P23 Projected 2004-2006 (new) Coordination of Interregional Planning

### Issues Under Discussion \*

- I1 Controllable Line Scheduling
- I2 Multiple Proxy Buses For Free-Flowing Interfaces
- I3 Different Ramping Rules
- I4 Reduced Lead Time for In-Day Transactions Scheduling

\* Issues that have been brought to attention of the ISOs but have either not yet resulted in a specific initiative or the initiative has not been approved as a project by the stakeholder process.

Revised 07/03/2003