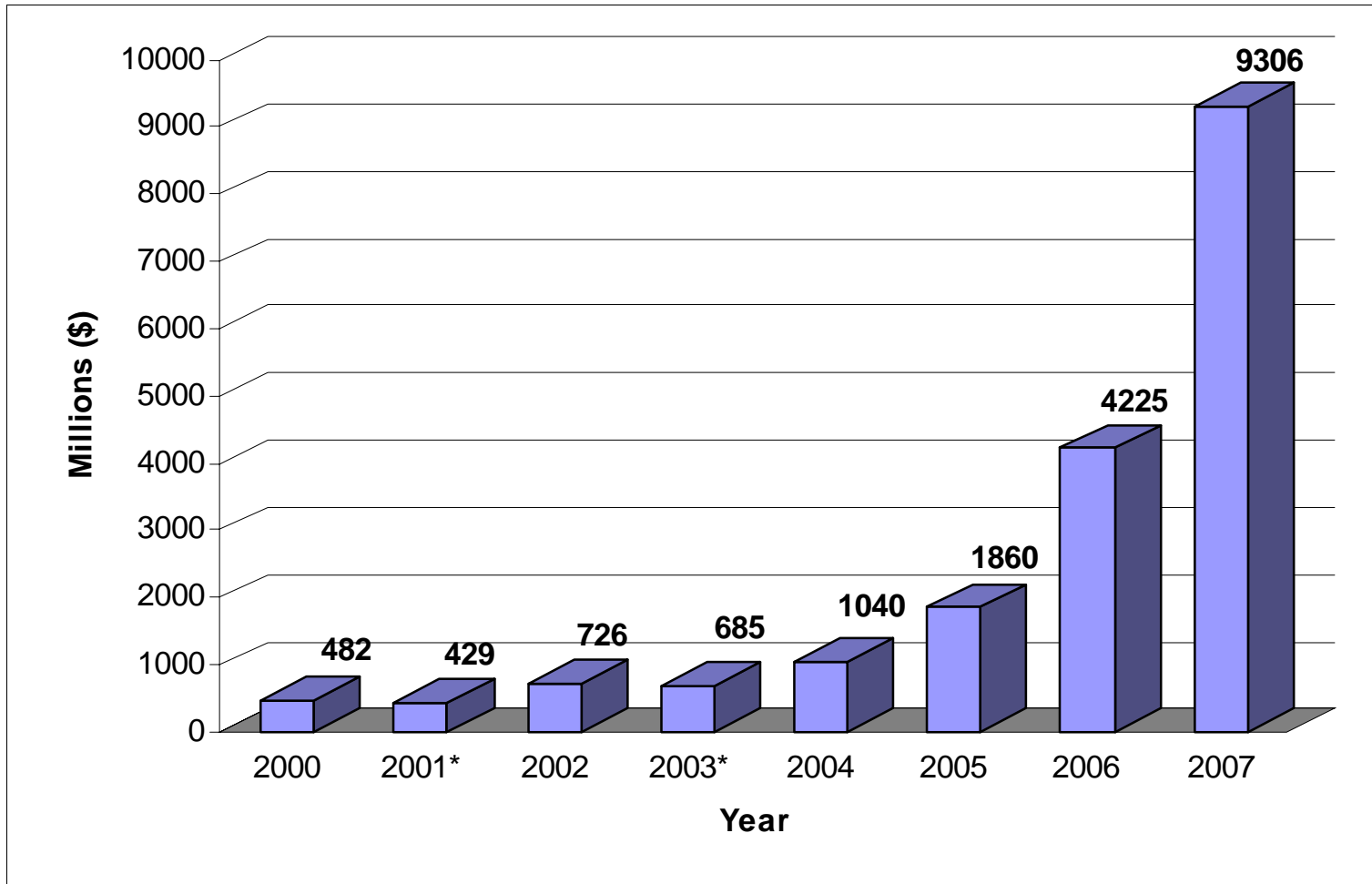


Proposed System Improvements in PJM

Northeast Coordinated System Plan
IPSAC05
December 14, 2007

RTEP Transmission Investment Approvals



*Reduction due to generation projects withdrawing from interconnection queue.

502 - Junction to Loudoun 500 kV

- PJM identified an overload on Mt. Storm – Doubs 500 kV in 2011 and an overload on Pruntytown – Mt. Storm 500 kV in 2014.
- The recommended solution to these overloads is to build a new 502 Junction – Mt. Storm – Meadow Brook – Loudoun 500 kV circuit.

This graphic has been redacted for security reasons. Please contact ISO New England Customer Service at 413.540.4220 to request access to this information.

John Amos to Bedington to Kemptown

- PJM identified multiple overloads on 500 kV lines over the 15 year planning horizon.
- Build a new 765 kV transmission line from the John Amos substation to Bedington substation and extend a twin circuit 500 kV line to a new substation in Kemptown near the Doubs-Brighton and Brighton-Conastone 500 kV lines.

This graphic has been redacted for security reasons. Please contact ISO New England Customer Service at 413.540.4220 to request access to this information.

Mid-Atlantic Pathway Project

- Improved deliverability to the Baltimore / Washington D.C. area.
- Improved deliverability to the Delmarva peninsula.
- Additional path across the eastern interface.
- Improved reactive performance.
- Improved transient stability margins for existing nearby generation.
- Integrates queued generation projects.

This graphic has been redacted for security reasons. Please contact ISO New England Customer Service at 413.540.4220 to request access to this information.

Susquehanna to Roseland

- PJM identified multiple overloads on 230 kV transmission lines in Northern New Jersey through our 15-year planning horizon.
- Build a new 500 kV transmission line from Susquehanna – Lackawanna – Jefferson – Roseland.

This graphic has been redacted for security reasons. Please contact ISO New England Customer Service at 413.540.4220 to request access to this information.

PJM – New York Ties

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Alternative Backbone Solutions Under Consideration

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