

# Proposed System Improvements in New York Control Area

Northeast Coordinated System Plan  
IPSAC05  
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# Background: System Planning in New York

- Comprehensive Reliability Plan (CRP)
  - 2007 is latest approved CRP
  - CRP 2007 looks at system needs for 2008–2017
- Objectives
  - Meet Reliability Needs over a 10-Year Planning Period
  - Market Solutions Favored
    - Enough Market Solutions were obtained to meet the needs
  - Regulated Backstop Solutions
    - Developed to meet needs for the 10-year planning period by TOs
  - Alternative Regulated Solutions
    - Developed as alternative to backstop

# CRP Identified Projects

- Updated TO Plans
  - 345 kV Cap Bank Installation at Millwood Substation of 240 MVAR
  - Series Reactor Bypass by upgrading breakers
- Regulated Backstop Solutions
  - Only required for years six to ten
  - 1,000 MW of new generation or DSM in Zone J
  - 300 MW of new generation or DSM in Zone B
  - 500 MW of new generation or DSM in Zone G
  - New Transmission between Zones F and G to support movement of resources from Zone G to other upstate Zones A through F
- Alternative Regulated Solutions
  - Mirant Lovett Plant Repowering
  - New York Regional Interconnect – 1,200 MW DC line

# CRP Market Solutions

Project Type	Submitted	Size of Resource(MW)	Zone	In-service Date	Status
<b>Resource Proposals</b>					
Combined Cycle Oak Point - KeySpan	CRP 2005	550	J	3/2009	Project withdrawn as solution, still listed in NYISO interconnection queue
Combined Cycle Spagnoli Rd - KeySpan	CRP 2005 and CRP 2007	222	K	6/2009	Rejected class year 2006 cost allocation, still in NYISO queue
Gas Turbine Astoria Re-powering - NRG	CRP 2005 and CRP 2007	200 (Phase I) 300 (Phase II) (375MW Net)	J	6/2009 6/2011	NYISO queue projects #201 and #224
Simple Cycle GT Indian Point - Entergy	CRP 2007	300	H	5/2011	Not in NYISO interconnection queue
Combined Cycle Arthur kill - NRG	CRP 2007	600	J	7/2012	Not in NYISO interconnection queue
<b>Transmission Proposals</b>					
Controllable AC Transmission – VFT Linden VFT	CRP 2007	300 (No ICAP/UDR)	PJM-J	4 <sup>th</sup> quarter 2009 PJM Queue G22	Completed NYISO class year 2006 process, IA in progress
Back-to-Back HVDC, AC Line HTS/FPL	CRP 2007 and was an alternative regulated proposal in CRP 2005	660 (500MW ICAP/UDR)	PJM-J	Late 2010 PJM Queue O66	NYISO interconnection queue project #206 NYPA RFP
Back-to-Back HVDC, AC Line Harbor Cable - Brookfield	CRP 2007 and was an alternative regulated proposal in CRP 2005	550 (550MW ICAP/UDR)	PJM-J	6/2011	NYISO interconnection queue projects #195 and #253