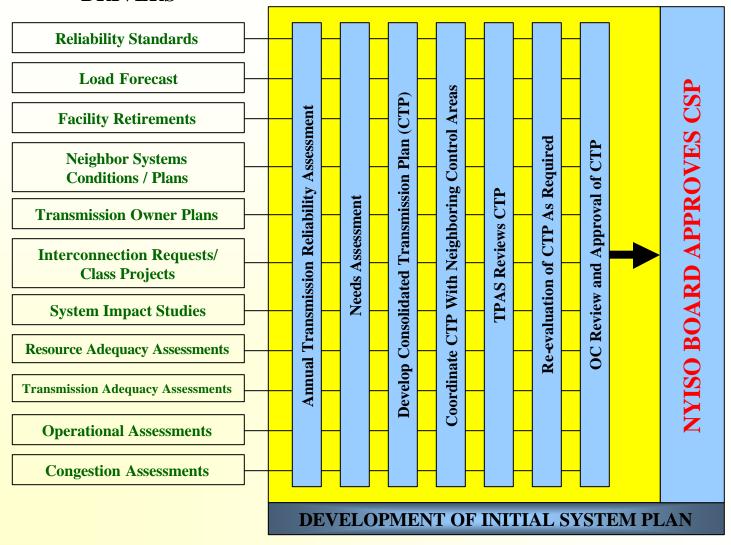
NYISO Electric System Planning Process

Two Phases

- 1. Development of Consolidated System Plan
 - Approved by Operating Committee
 - Consolidate NERC, NPCC, NYSRC reliability assessments for overall view of system adequacy and security
 - 10 year horizon
 - Examination of historical economic impact of congestion
- 2. Comprehensive: Economic as well as reliability considerations

DRIVERS

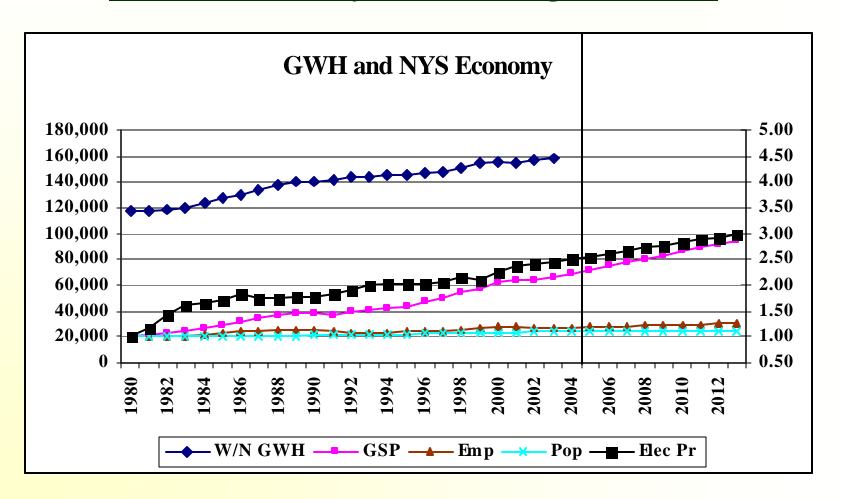


NYISO Electric System Planning Process

LFTF Role

- 1. Review NERC, NPCC, NYISO Load & Capacity Report forecasts
- 2. Develop Process for 10 Year Forecast
 - Input from all Market Participants
 - Solicit NYSERDA, other Agency inputs
 - Subject to evaluation by NYISO, similar to ICAP load forecast
- 3. Develop 10 Year Forecast
 - Based on common set of assumptions (e.g., Economy.com)
 - Linked with EDRP, other DSM programs
- 4. End of Feb. 2004 completion date

NYISO Electric System Planning Process (1)



NYISO Electric System Planning Process (1)

R' = GWH/GSP = aGSP(b-1)Pe(b2) Estimated from historical information by NYISO staff

	R						R'	
						Overall	04 - 13	
	Epoch 1	Epoch 2	Epoch 3	Epoch 4	Epoch 5	Average	Forecast	
TO 1	0.84	0.97	1.04	1.10	1.01	1.007	1.100	1.060
TO 2	1.10	1.02	1.06	1.15	1.02	1.052	1.050	1.030
TO 3	1.02	1.04	1.07	1.05	1.05	1.050	0.980	1.000
MES 1 (in TO 1 TD	1.12	1.13	1.09	1.11	1.06	1.096	1.100	1.110
MES 2 (in TO 3 TD)	1.02	1.04	1.07	1.05	1.05	1.050	1.040	1.070

Epochs correspond to more or less distinct economic periods (recession, oil embargoes, etc.)

2	Acceptano				
		Low	High	Accept	Investigate
	TO 1	0.97	1.04		X
	TO 2	1.06	1.10	X	
	TO 3	1.04	1.05		X
	MES 1 (in TO 1 TD	1.09	1.12	X	
	MES 2 (in TO 3 TD)	1.04	1.05	X	

3 Investigate Forecasted R's not in Acceptance Range

Changing composition of GSP (structural change)
DSM/NYSERDA Programs
Etc.

NYISO Electric System Planning Process (2)

3 Investigate Forecasted R's not in Acceptance Range

Changing composition of GSP (structural change) DSM/NYSERDA Programs Etc.

<u>4</u>

		<u>Final</u>	Energy Forecast	
		2004	2005	2013
	<u>R</u>	GSP	GSP	<u>GSP</u>
TO 1	1.060		61886.8	69270.3
TO 2	1.050		54666.7	62160.0
TO 3	0.980		33469.4	33984.5
MES 1 (in TO 1 TD	1.060		6188.7	7012.5
MES 2 (in TO 3 TD)	0.980		1673.5	1905.5
		2004	2005	2013
		GWH	<u>GWH</u>	<u>GWH</u>
TO 1		X	65,600	73,427
TO 2		X	57,400	65,268
TO 3		X	32,800	33,305
MES 1 (in TO 1 TD		X	6,560	7,433
MES 2 (in TO 3 TD)		X	1,640	<u>1,867</u>
		X	164,000	181,300

5 Final Peak Forecast

NYISO Electric System Planning Process (3)

Still TBD

Converting Energy to Peak forecast

- Trend in Load Factors
- Trends in customer mix
- End-Use trends

Source of Electric Price Variable(s)

DSM/EDRP

MP Inputs

