

# Details of June 1<sup>st</sup> In-Service date

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# Objectives

- ◆ To realize the need for an in-service date
- ◆ Determining an appropriate date
- ◆ Adjusting to changes of in-service dates
- ◆ Conclusions

# The Need for an in-service deadline

- ◆ NYCA has had June, July and, August annual peak loads.
- ◆ The MARS model experiences outage events only during these months.
- ◆ It is critical to know whether a proposed unit will be available to meet the peak load when it is experienced.
- ◆ An in-service date of August could miss the peak load and the influence of the unit would a) be of no value, and b) be inappropriately counted in the IRM calculation.

# **The Need for an in-service deadline**

- ◆ **Similarly, proposed units projected to come on line in June, July or August could potentially miss the actual peak.**
- ◆ **New units typically have lower EFORds than the existing units. Adding a new unit, with a better EFORd, would most likely lower the IRM.**
- ◆ **If the unit were to not materialize, there is potential for the IRM not being met.**

# Determining an appropriate date

- Recent (last ten) years have seen two peaks as early as June 9th.

Summer Coincident Peak Dates & Times  
May 1 through October 31

Year	Date	Hour Ending	Summer Peak MW
1996	7/18/1996	17	25,585
1997	7/15/1997	15	28,699
1998	7/22/1998	17	28,161
1999	7/6/1999	14	30,311
2000	6/26/2000	17	28,138
2001	8/9/2001	15	30,982
2002	7/29/2002	17	30,664
2003	6/26/2003	17	30,333
<b>2004</b>	<b>6/9/2004</b>	<b>17</b>	<b>28,433</b>
2005	7/26/2005	17	32,075
2006	8/2/2006	14	33,939
2007	8/8/2007	17	32,169
<b>2008</b>	<b>6/9/2008</b>	<b>17</b>	<b>32,432</b>
2009	8/17/2009	16	30,844
2010	7/6/2010	17	33,452
2011	7/22/2011	16	33,865
2012	7/17/2012	17	32,439
2013	7/19/2013	16	33,956

## **Determining an appropriate date - con't**

- ◆ Since we have observed system peaks early in June, modeling units in service after then would be counter-productive.
- ◆ Higher LCRs occur with new locational units and a shortage would occur if the unit did not materialize. There is a need to be conservative for locational reasons.
- ◆ An upstate (non-locality), like wind, would raise the IRM and a similar shortage could occur.

# Adjusting to changes of in-service dates

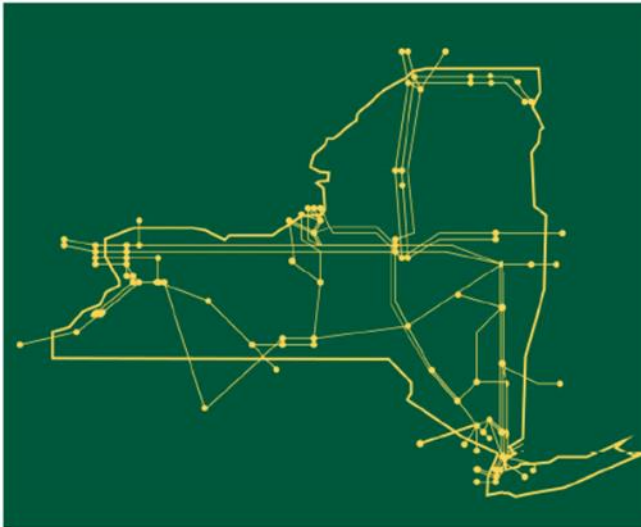
- ◆ The assumptions lock-down date of October 1 allows for changes in assumptions such as those for units coming on line.
- ◆ A proposed unit that can demonstrate, per RNA guidelines, that it will meet the June 1<sup>st</sup> date can be moved to properly account for its affect on the IRM.
- ◆ A June 1<sup>st</sup> unit that has schedule slippage can be removed at the October 1 lock down date.

# Conclusions

- ◆ System peaks occur as early as the first week in June.
- ◆ Having an in-service date of June 1 dramatically increases the chances of a proposed unit being there at the time of the peak.
- ◆ Having a proposed unit in service by the time of the peak ensures that the appropriate IRM and LCRs are established.



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