

Adjusting Resource Availability in Resource Adequacy Studies

For the 2006-2007 Capability Year

ICAP Working Group

September 16, 2005

Report Objective

- **To determine the amount of capacity that is unavailable to the NYCA system.**
- **Model collects reported outages but needs adjustment for those unreported.**
- **For example, transmission outages causing generators to be unavailable (not previously reported in GADS).**
- **Units failing to bid their full ICAP sales but not reporting GADS outages.**

Process

- **Look at units' peak hour DAM bids versus their ICAP sales**
- **Remove units with existing derates like hydro's and GT's**
- **Remove units that have reported outage in GADS for those hours.**
- **Remaining units have GADf derate.**

Results

- **Last year's derate of 711 MW reduced to 125 MW this year.**
- **Due to:**
 - *1) Awareness of issue (education)*
 - *2) Audits*
 - *3) Software changes to allow tracking without effecting EFORd calculation.*

Concerns

- **Inability of Combined Cycle units to achieve rated output at above design conditions.**
- **Amount of capacity available in a timely manner between UOLn and UOLe.**