

# Generation Issues

Proposed Revision to Implementation of  
Capacity/Energy Limited Resources

---

Management Committee Meeting  
May 10, 2001

# Background

- ✍ Many units have limitations on their ability to operate for a portion of the upper range of their capacity
- ✍ The limitations on operation may be the result of design considerations, environmental restrictions on operations, cyclical requirements, such as recharge or refill, or other non-economic reasons, or extensive wear and tear that results from operating at that level
- ✍ This upper range of capacity may be an ICAP resource if it can be sustained for 4 hours

# Background cont

- ✍ In recognition of the operating concerns we implemented the ability of a unit to define an Upper Operating Limit (UOL) that identifies the operating level the unit can achieve under normal conditions
- ✍ BME & SCD will only schedule a unit above its UOL with Operator Intervention when an Emergency Procedure has been invoked

# Implementation Issue

- ✍ Originally we determined that SCUC would not schedule a unit above its UOL
- ✍ There are conditions when SCUC needs to schedule units above their UOL to reach a reliable solution
- ✍ SCUC's scheduling of the units needs to be done in a manner that is consistent with the limitations on running units above their UOLs

# Proposed Change

- ✍ SCUC May Schedule units above their Normal UOL
- ✍ AMP Unit Reference price for a units operating area above the Normal UOL will recognize the additional cost associated with operating at those levels
- ✍ These reference prices should generally result in the units not getting scheduled above their Normal UOL for energy sales

# Proposed Change

cont

- ✍ If a unit is scheduled day ahead above the Normal UOL the NYISO will reset their UOL to the original bid value, in day, at the request of the generator
- ✍ The NYISO may call upon this additional capacity if operating conditions warrant
- ✍ If the unit is not called upon to operate at a level above the UOL, the replacement energy costs will be capped at the DAM clearing price.