



# ELR / CLR Process

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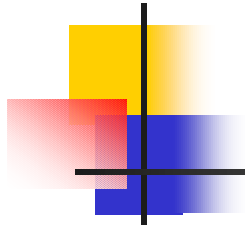
- Issue: In order to insure a Day Ahead solution, SCUC requires that all physically available ICAP market capacity be available for evaluation.
- Definitions:
  - ELR - Energy Limited Resources - Capacity resources that, due to design considerations, environmental restrictions on operations, cyclical requirements, such as recharge or refill, or other non-economic reasons, are unable to operate continuously on a daily basis, but are able to operate for at least four consecutive hours each day.



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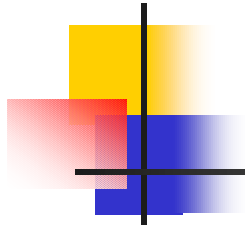
- Definitions (continued)
  - CLR - Capacity Limited Resource -  
Recognition that nearly all resources have an operating area that can be achieved, but only through operator intervention
  - Recognize that all units have an ELR component
  - The ELR/CLR capacity may have been sold as ICAP



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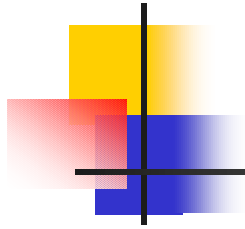
- Objective - Make the CLR and ELR capacity available to the SCUC and Real Time Operations, at a price defined by the MP, without scheduling the capacity on a daily basis for multiple hours.



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- MP's will register the ELR/CLR limits providing supporting documentation and explanations to the NYISO.
  - Data will include:
    - capacity limit - Normal UOL
    - Requirements to operate above the Normal UOL
    - It is assumed that 1 hour notification is required to operate above the Normal UOL



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- All capacity that is sold as ICAP must be bid into the DAM, subject to the rules defined in the ICAP tariff.

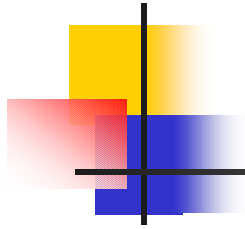
**BID CURVE**

				600
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**ICAP = 600**

**BID UOL = 550**

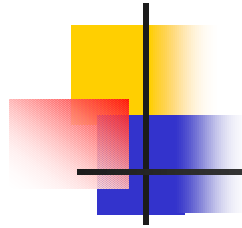
**Registered / Normal UOL = 550**



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- If the upper point on the bid curve is less than ICAP, then the unit may be subject to a derate based on ICAP criteria.
- In the DAM the unit may be scheduled for energy and / or reserves to the upper point on the bid curve.



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- A report will be issued to NYISO Operations indicating any unit that has been scheduled above the registered Normal UOL
- Units should always report to NYISO Operations if they feel that they cannot meet the DAM schedule
  - If plants feel that operation above the UOL is high risk they must request a derate

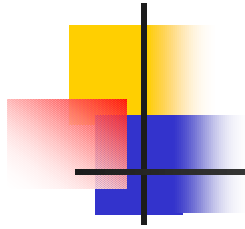


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- Units will be required to operate above the Normal UOL for a minimum of 4 consecutive hours
- The NYISO will have the option of choosing the 4 hours

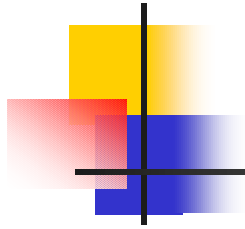




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- If units cannot meet all hours scheduled or if NYISO Operations directs the unit to not run above its Normal UOL the following will occur:
  - A derate will be entered by the NYISO to limit the units operation in real time and for BME scheduling
  - The unit will be identified as Out of Merit as a CLR



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- For all hours that a unit is tagged as OOM for CLR, the units replacement energy costs are capped at its day ahead payment
- Reserve contracts will be rescinded
  - Supplier is not paid and does not have to cover replacement costs



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- If unit is scheduled above the Normal UOL in the DAM, then the unit bid will be passed to BME with an UOL set to the DAM schedule
- Assumes no derate
  - To prevent this, plant operators who feel it is high risk to operate above the normal UOL should request a derate
  - ISO may refuse this request, as a CLR derate, if operationally required



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- If unit is not scheduled above the BID UOL then the bid that will be passed to BME will be limited to the Bid UOL
- Operations can request that a unit prepare to operate above its UOL and the required information will be inserted into BME and / or SCD for proper scheduling