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M Thumbnail - ask for info  
follow up conversations available

Peaking plant  $\left\{ \begin{array}{l} \text{winter} \\ \text{summer [but less now]} \end{array} \right.$

DRAFT  $\rightarrow$  Baseload facility | water withdrawal / waste heat discharge  
currently  $\rightarrow$  peaking operation

How facility is called up to operations by ISO  $\rightarrow$  questions  
 $\rightarrow$  responsive / flexibility  $\leftarrow$

I Implications on market reliability

P Is it reasonable to assume  $\Delta s$  would take effect when?  
2-4 years from now?  
Ideally - will take effect 1<sup>st</sup> quarter next year at the  
EARLIEST (2019)

2019  $\rightarrow$  capacity side overview | supply obligation options CSO

$\sim$  in current  
can trade portions of CSO away  
any unit to second re-auction  
bilateral } shed some obligations  
annual }  
monthly }

Limit CSO - run monthly auctions 45-60 days  
first is in April for June obligation "right size"  
to shed x amount of CSO in advance  
find partner to trade with (bilateral) - 45-60 days  
ahead of cap month  
Annual reconfiguration auction for  
2019 done year ahead

If shedding plenty of options to do so (other way is harder - acquiring)

If fed reg driven - EPA restrictions - will approach ISO + put in permanent delist bid to right size capacity or interconnection rights delist @ certain # of MW can do for qualification of current auction in progress (FCM) not for past auctions

How common? shedding + acquiring is common  
→ outage/maintenance schedules especially

Extent → reliability is assessed / plays role?  
ie - during a heat wave

Installed capacity market - pay for performance penalties  
- happen ahead

capacity scarcity conditions - different situation

→ can delve into this with subject matter expert  
generally more situational awareness

Forecast tools - predict constraints +

Timing - capacity bid for 2021 period  
believe so if running - but didn't look up individually

Every reconfig auction until commitment expires  
permanent option - delist bid for capacity market  
for # of MW

3 opportunities to right size on annual basis prior  
to 2021 market beginning  
↳ but works on total MW basis not on seasonal operations

likely - shed for seasons | will have to participate  
in monthly reconfigurations on a seasonal basis

"Right size" to MW basis

new rule Δs - creating options for seasonal changes



Right sizing - ESOTERIC

bc shedding # hours / min on seasonal basis

Bids will also be checked for reliability - if they have to be retained for reliability reasons will try + retain capacity

seasonal operations - if on/off certain times  
if providing limitations will be up to facility to figure out how to right size - or be subject to PFP penalties

Havent decided on operations but biologically summer operations of concern -  
need only minimum of a few months advance notice to right size CSOs | so not a fine-scale option to tune operations in forward capacity market

Real-time restrictions on emergency generation not an ~~and~~ option except for on demand resources - not for CSOs and capacity markets

qualified buyers in our markets but also other assets available  
different compliance strategies for companies with multiple operating facilities in market

substituting obligations btw own facilities - will find subject matter expert

Millstone - operational restrictions - will find out how that works in the ISO market

[Aug 13]  
week

