



SIR70 OFFLINE CLEARING OF RAMP CAPABILITY

10/26/2021

Helping our members work together to keep the lights on... today and in the future.



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- **Purpose:**

- The current Tariff and Protocols do not allow for offline Resources to clear ramp capability products. This means that the Market is unaware of potential ramp capability capacity from Resources which are capable of receiving a commitment notification and starting within the ramp capability response time. This enhancement has the potential to allow the Market to utilize this offline capacity to enhance the economic clearing of ramp capability products.
- For purposes of this initiative offline Resources refer to Resources that are not committed in the Current Operating Plan.

- **Potential Benefit:**

- This initiative would increase the available capacity for clearing ramp capability in the Market. The Market would be able to determine if it is more economic to utilize committed capacity for clearing ramp capability products or offline capacity. This has the potential to lead to a more economic Market solution.

- **Alignment with existing SIR**

- This would potentially be contingent on the implementation of SIR17_HITT R3b Fast Start Resources. The reason is the current commitment process for IDRUCs and STRUCs may take too long for the offline Resource to provide the ramp capability product. With the enhanced IDRUC commitment from SIR 17 (RR402) the commitment of Fast-Start Resources recommended by STRUC will be more efficient and allow for the Fast-Start Resources to be committed in time to provide ramp capability.

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- **Potential Impact/Cost**

- Potential System / Process Impacts

- Impacts to SCUC and SCED, MOI displays, MUI/API displays, Settlements, MMU processes.

- Potential MCE Performance Impact: High, Medium, Low

- Medium to High

- Potential Complexity: High, Medium, Low

- Design: High
- Implementation: Medium

- Potential Risk

- There is a reliability risk if the offline Resources that cleared the ramp capability product fail to start or cannot start in the ramp capability response time. There is a potential to increase the solution time for SCUC as this adds an additional decision. An appropriate mitigated offer will need to be determined.

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- **Potential Value Add**

- SPP Strategic Plan Alignment
- SPP MMU ASOM Recommendation Alignment
- Market Philosophy Impacts: Market Efficiency, Market Reliability, Price Formation, Price Convergence, Market Transparency

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SPP MMU Comments

- The MMU supports SPP and its stakeholders in the investigation to expand the Ramp Product to allow participation by offline resources.
 - The MMU agrees that this initiative has the possibility of increasing the available capacity of ramp that can be cleared in the real-time market.
 - The MMU has concerns about the ability of an off-line fast-start resource to provide the needed ramp in a ten-minute time horizon.
- The MMU recommends that offline resources include the full cost of delivery in their offers, similar to those in the Uncertainty Product.