



Order 841: Straw Proposal

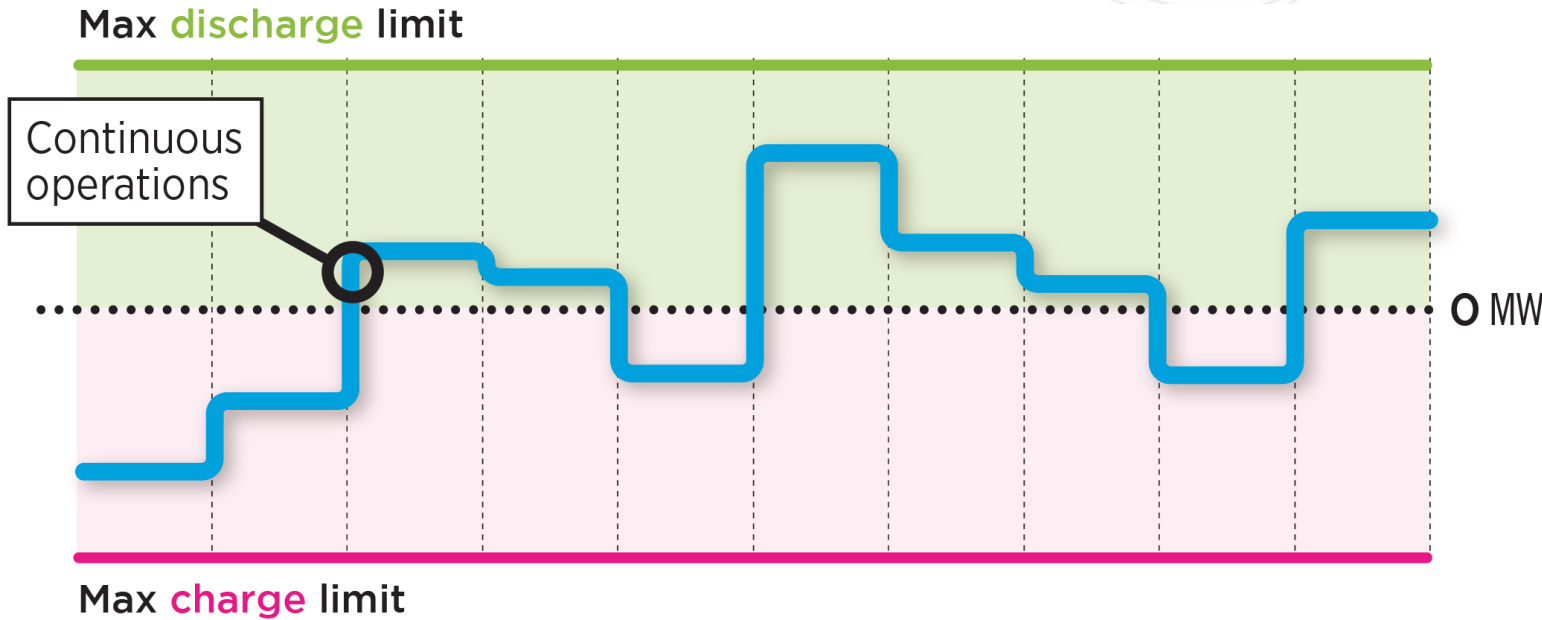


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DERS
August 27, 2018

- November, 2016: FERC Notice of Proposed Rulemaking on Energy Storage and Distributed Energy Resources.
- February, 2018: FERC [final rule on storage](#) ...
 - **Filing due Dec 3, 2018.**
 - Implementation due Dec 3, 2019.
 - » Order: <http://pjm.com/-/media/documents/ferc/orders/2018/20180215-rm16-23-000.ashx>
 - » PJM Request for Clarification: <http://pjm.com/-/media/documents/ferc/filings/2018/20180316-rm16-23-000-ad16-20-000.ashx>

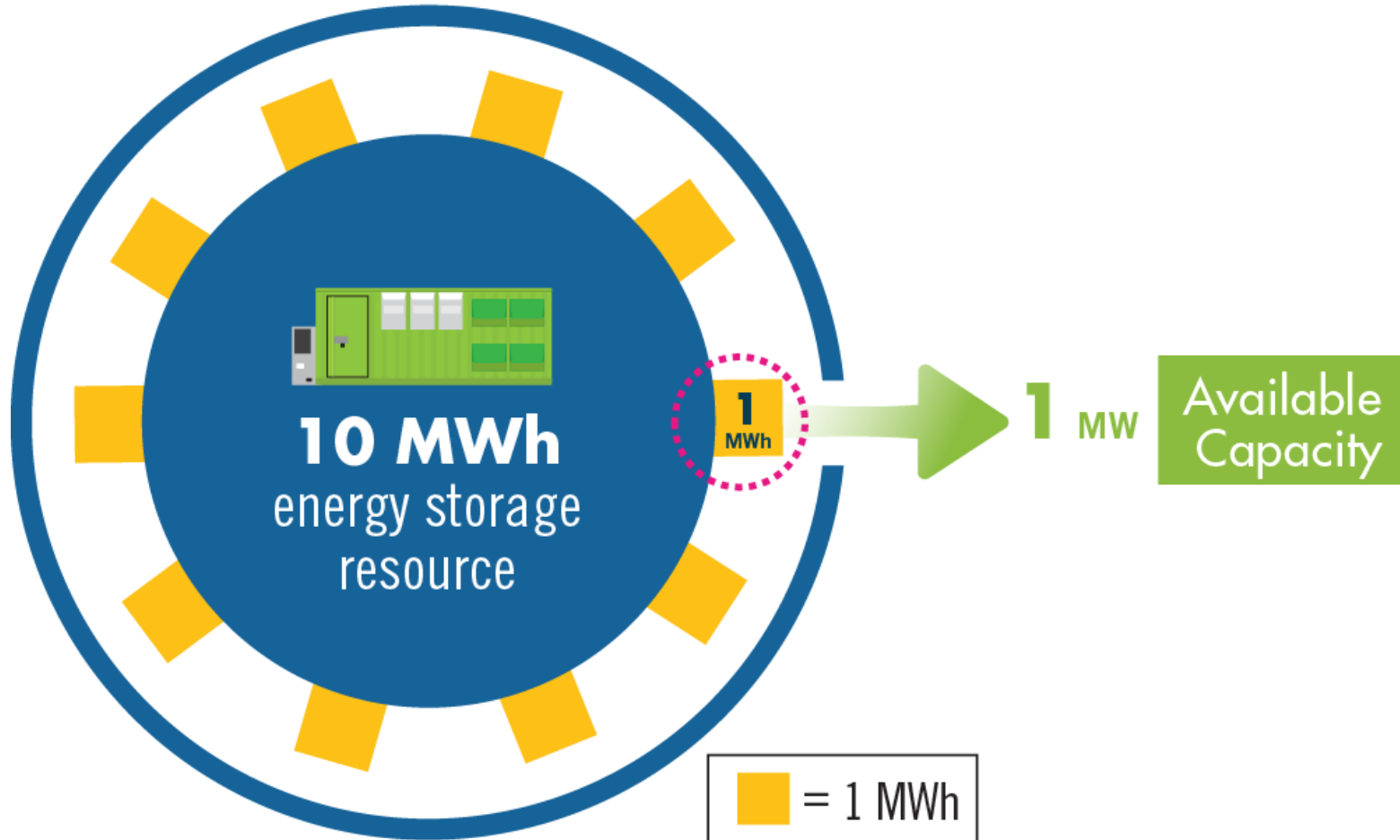
- ESRs will be modeled as one continuous resource
- PJM will not make commitment decisions in the ESR model and not manage state of charge
- 3 modes of operation:
 - Continuous, Charge & Discharge
- Parameters
 - Offered in through Markets Gateway
 - Max/Min charge/discharge, etc

Price	MW
\$ 10.00	20
\$ 9.00	15
\$ 8.00	10
\$ 7.00	5
\$ 6.00	0
\$ 5.00	0
\$ 4.00	0
\$ 3.00	-5
\$ 2.00	-10
\$ 1.00	-15



Continuous operation mode - ESRs can update their max charge and discharge limits hourly in day-ahead and more frequently in real-time.

** State of charge telemetry may be needed in the future



PJM proposes that status quo, per manual 21, of a minimum of 10 hour duration is maintained in the capacity market.

PJM can be contacted at esr@pjm.com

Last MIC Special Session: 09/14/2018 1-4 PM

Report out:

- OC: October 9, 2018
- PC: October 11, 2018
- MIC: October 10, 2018
- MRC: October 25, 2018