

Unit Specific Parameter Adjustment Process DY 2018/19

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Operating Committee
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- ✓ All Unit Specific Adjustment Requests for DY 18/19 must be submitted by **February 28, 2018**
- ✓ Approved parameters will remain in place unless a change is communicated to PJM. Parameters which were approved and implemented last year (or year before) do NOT have to be submitted each year
- ✓ If an unit specific adjustment request is NOT submitted, the USP proxy parameters will be implemented for June 1, 2018

USP Proxy Parameters

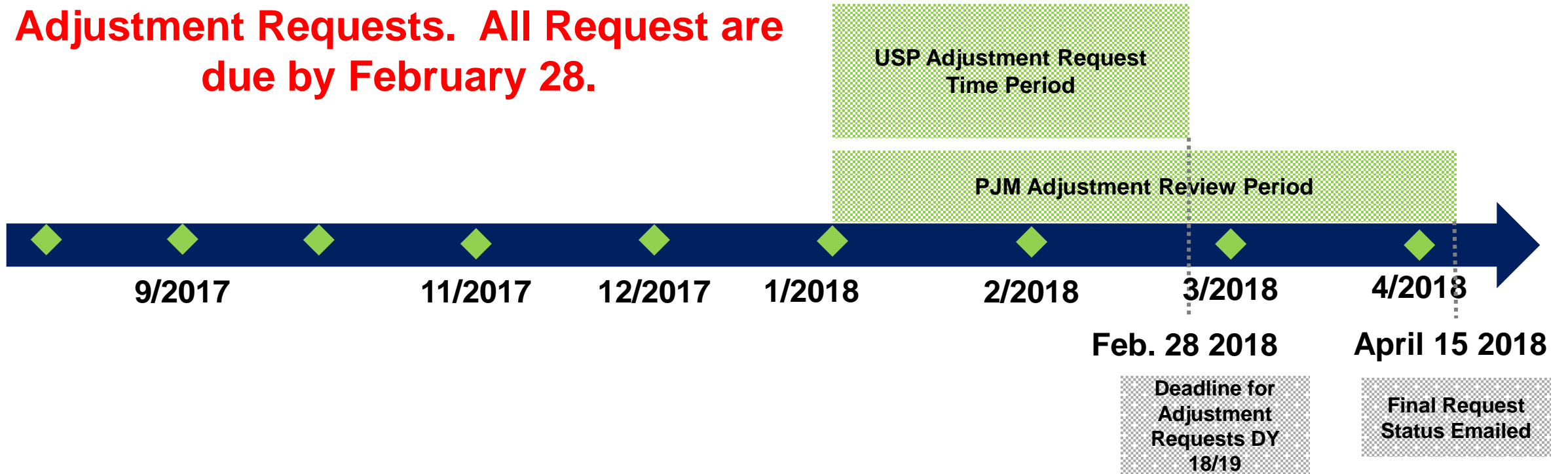
<http://www.pjm.com/~media/committees-groups/committees/elc/postings/20150612-june-2015-capacity-performance-parameter-limitations-informational-posting.ashx>

Technology Classification ²	Min Down Time Hrs	Min Run Time Hrs	Max Daily Starts	Max Weekly Starts	Start-up Time			Notification Time Cold/Warm/ Hot Hrs	Turn Down Ratio	Max Run Time
					Hot Hrs.	Warm Hrs.	Cold Hrs.			
Reciprocating Internal Combustion Units	0.6	1	12	84	0.1	0.1	0.1	0.1	1.0 or more	24 hrs.
AERO CT Units	1.1	1	6	42	0.1	0.1	0.1	0.1	1.0 or more	24 hrs.
Frame CT Units	1.25	2	4	28	0.25	0.25	0.25	0.1	1.5 or more	24 hrs.
Combined Cycle Units	3.5	4	3	21	0.5	0.5	0.5	1	1.5 or more	24 hrs.
Petroleum and Natural Gas Steam Units	6	4	2	14	2	3	4	1	2.0 or more	24 hrs.
Combined Cycle Based QF Units	4.5	4	3	21	0.5	0.5	0.5	1	1.5 or more	24 hrs.
Solid Fuel NUG Units	8	4	3	21	4	6	10	1	1.5 or more	24 hrs.
Sub-Critical Coal Units	8	8	2	14	4	6	10	1	2.0 or more	24 hrs.
Super-Critical Coal Units - Pre 2000	8	6	1	7	4	6	10	1	1.5 or more	24 hrs.
Super-Critical Coal Units - Post 2000	6	6	1	7	2	2.5	5	1	1.5 or more	24 hrs.
Capacity Storage Resource	Shall not exceed 1 hr.	1	12	84	Start Time + Notification Time shall not exceed 1 hr.				1.0 or more	24 hrs.



DY 2018/19 Unit Specific Parameter (USP) Timeline

51 Days Remaining to Submit USP Adjustment Requests. All Request are due by February 28.



Reference Materials:

- ✓ Process Overview- <http://www.pjm.com/~media/committees-groups/committees/elc/postings/20150612-june-2015-capacity-performance-parameter-limitations-informational-posting.ashx>
- ✓ Tariff- OATT Attachment K Appendix Section 6.6
- ✓ FAQs- <http://www.pjm.com/~media/committees-groups/committees/elc/postings/20150715-cp-unit-specific-adjustment-request-faqs.ashx>
- ✓ Request Template- <http://www.pjm.com/~media/committees-groups/committees/elc/postings/cp-unit-specific-adjustment-process-template.ashx>
- ✓ Parameter Definitions- <http://www.pjm.com/~media/documents/manuals/m11.ashx>

Unit Specific Operating Parameter Adjustment Process Details

<p>Why was the process implemented?</p>	<p>PJM was directed by FERC in ER15-623-000, EL15-29-000, ER15-623-001 (CP Order) to implement unit specific parameter limitations for Generation Capacity Resources</p>
<p>What is the Unit Specific Operating Parameter Adjustment Process?</p>	<p>Capacity Market Sellers that do not believe their individual resources can meet the proxy operating parameters due to actual operating constraints may submit adjustment requests for the parameters for their cost based and price-based parameter limited schedules to the PJM team for review. The team includes IMM team members</p>
<p>What parameters are included in the unit specific operating parameter adjustments?</p>	<p>Turn Down Ratio, Minimum Down Time, Minimum Run Time, Maximum Daily Starts, Maximum Weekly Starts, *Hot Start, *Warm Start, *Cold Start, *Notification Time, and *Maximum Run Time <i>* Additional Parameters for Capacity Performance Resources</i></p>

Unit Specific Operating Parameter Adjustment Process Details

<p>Who should use the process?</p>	<ul style="list-style-type: none"> • Capacity Performance resources for DY 2018/19 and Base resources DY 2018/19 • Replacement Capacity Performance resources for DY 2018/19 • Re-submitted adjustments for the same parameters if there is physical change or updated/changed information or documentation
<p>What are adjustments used for?</p>	<ul style="list-style-type: none"> • Make whole payments • Do not excuse a unit for not performing during a Performance Assessment Interval
<p>How long are the parameters effective for?</p>	<p>Parameters will remain in place until PJM determines a change is needed based on changed operational capabilities of the resource</p>
<p>When must adjustments be submitted by?</p>	<p>The requests must be submitted by the February 28 and will be evaluated by April 15 (prior to the applicable delivery year).</p>
<p>When are adjustments effective?</p>	<p>June 1 for the applicable delivery year</p>
<p>How do you submit adjustments?</p>	<p>Email requests in the template with documentation and data to unitspecificpls@pjm.com</p>