

# Dispatch Signal Survey

Mike Zhang

November 1, 2018 SOS

November 6, 2018 OC

Action Required	Deadline	Who May Be Affected
Background and awareness at SOS-Joint	<b>11/01/2018</b>	SOS representatives & Unit Owners
Background and awareness at OC	<b>11/06/2018</b>	OC representatives & Unit Owners
Dispatch Signal Survey becomes available to GOs in eDART	<b>11/26/2018</b>	Unit Owners
Dispatch Signal Survey response period ends, unit responses due by this date	<b>12/21/2018</b>	Unit Owners



- Dispatchable units running for PJM should follow dispatch signal through an economic basepoint.
  - Specific call on reasons
  - Dispatchable range through bid in parameters
  - Basepoint from PJM SCED engine
- Units can be dispatched verbally and electronically.
  - Basepoints available through SCADA
  - Details in PJM Manual 1 and Manual 14D
- Adverse operational impacts when units deviate.
  - Deviation charges
  - Inexact engine solutions

- New GO Survey through eDART with handful of questions.
- Questions aimed to determine unit's ability to follow electronic dispatch signal.
  - Gain understanding of whether units can follow dispatch verbally or electrically
  - Understand any other limitations in regards to following signal
- Narrowed scope of survey to impacted units.
- Tentatively available November 26<sup>th</sup> and will end on December 21<sup>st</sup>.

- More accurate unit dispatch.
  - Improve SCED solution through more accurate expectations
  - Enhance synchronous reserve allocation and deployment
- Proactively gather updated information on unit capabilities.
  - Lack of centralized mechanism to provide information today.
- Potential tool enhancements to better reflect characteristics of PJM's generation fleet.
  - Upcoming market initiatives



Mike Zhang

610-666-4708

Michael.Zhang@pjm.com