

# Reactive Capability and Voltage Schedule Verifications

Darrell Frogg Lead Engineer, Generation Department Reliability Standards and Compliance Subcommittee April 21, 2023



## PJM 2023 Seasonal Reactive Capability Review

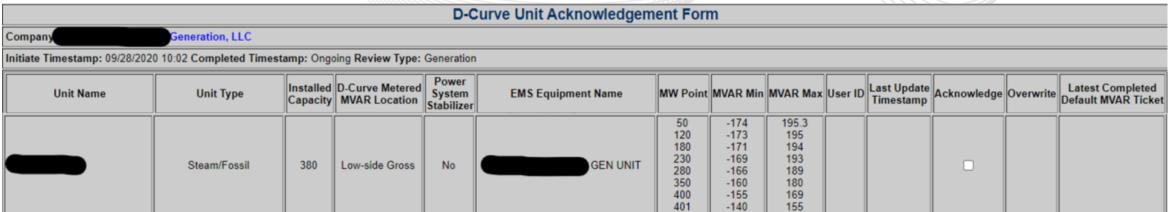


## eDART Reactive Capability - Seasonal Review

- The eDART Reactive Capability Seasonal Review function allows PJM to initiate a review of all applicable d-curves once a year.
- The 2023 Seasonal Reactive Capability Review is initiated on April 1, 2023, and will remain open through May 31, 2023.
  - GO Review Phase (April 1 April 30, 2023): GOs to review and acknowledge accuracy of all active reactive values, and submit updates where necessary.
  - TO Review Phase (May 1 May 31, 2023): TOs to review and acknowledge awareness of all active reactive values, and ensure their application in the respective TOs real time tools and analysis.
- This function also allows tracking of the GO and TO acknowledgements for each active generating facility reviewed during the process.

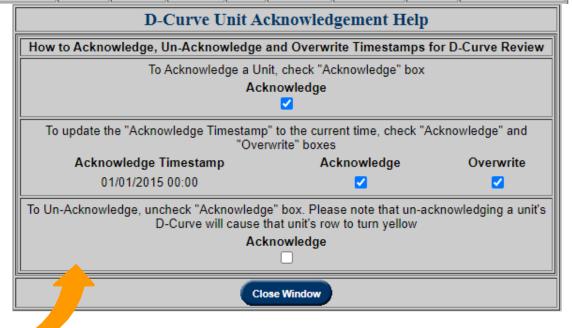


#### GO Review Phase – Steps for Review



- Check the Acknowledge box that has been verified for each relevant reactive resource
  - > Click the Submit Form button

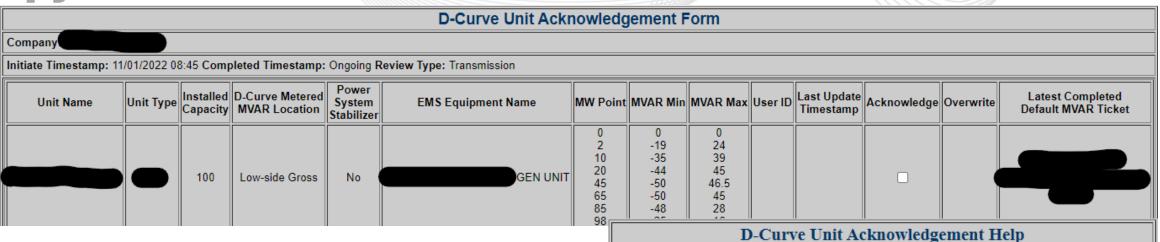
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Submit Form

#### TO Review Phase – Steps for Review



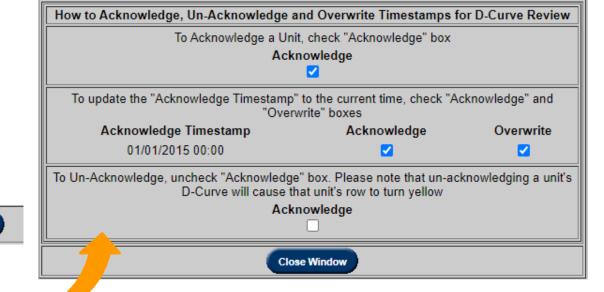
- Check the Acknowledge box that has been verified for each relevant reactive resource
  - > Click the Submit Form button

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# PJM 2023 Annual Voltage Schedule Review



#### eDART Voltage Schedules - Annual Review

- The eDART Voltage Schedule Annual Review function allows PJM to initiate
  a review of all applicable voltage schedules once a year.
- The 2023 Annual Voltage Schedule review was initiated on April 1, 2023, and will remain open through May 31, 2023.
  - TO Review Phase (April 1 April 30, 2023): TOs to review and acknowledge accuracy of all active voltage schedules, and submit updates where necessary.
  - GO Review Phase (May 1 May 31, 2023): GOs to review and acknowledge awareness of all active voltage schedules, and ensure their application in the respective generating facilities.
- This function also allows tracking of the TO and GO acknowledgements for each active voltage schedule reviewed during the process.

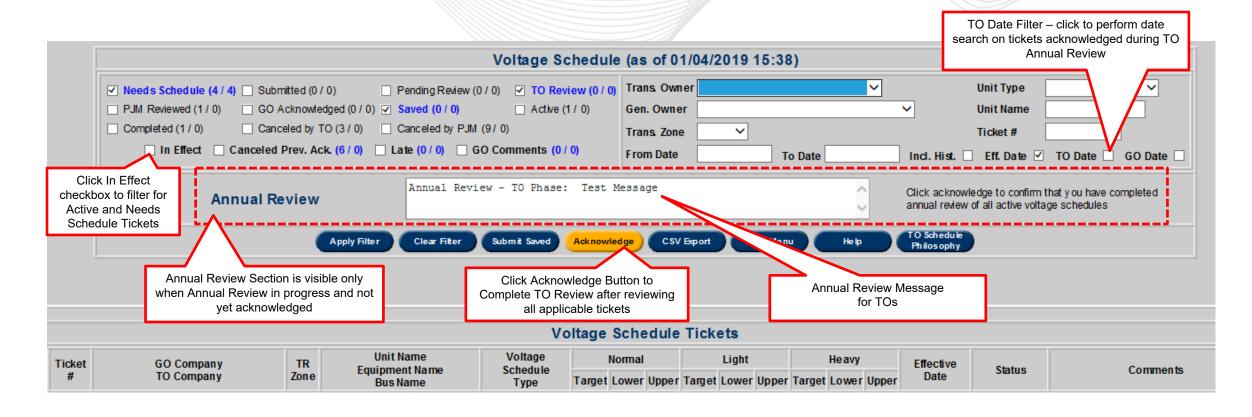


## TO Review Phase – Steps for Annual Review

- Click the In Effect filter option to select only Active and Needs
   Schedule tickets in the TO's zone.
  - Active tickets indicate generator voltage schedules that have been fully processed (i.e. TO submitted, PJM Reviewed, and GO Acknowledged) and are currently in effect. These should be reviewed for accuracy by the TO.
  - Needs Schedule tickets indicate:
    - Generators without submitted TO voltage schedules. TOs need to submit voltage schedules for these generators.
    - Generators with already submitted TO voltage schedules that have not yet been fully processed (i.e. not yet GO Acknowledged or Active). These do not require any further action by the TO.
- Click orange Acknowledge button to complete annual review.



#### TO Review Phase - eDART TO View



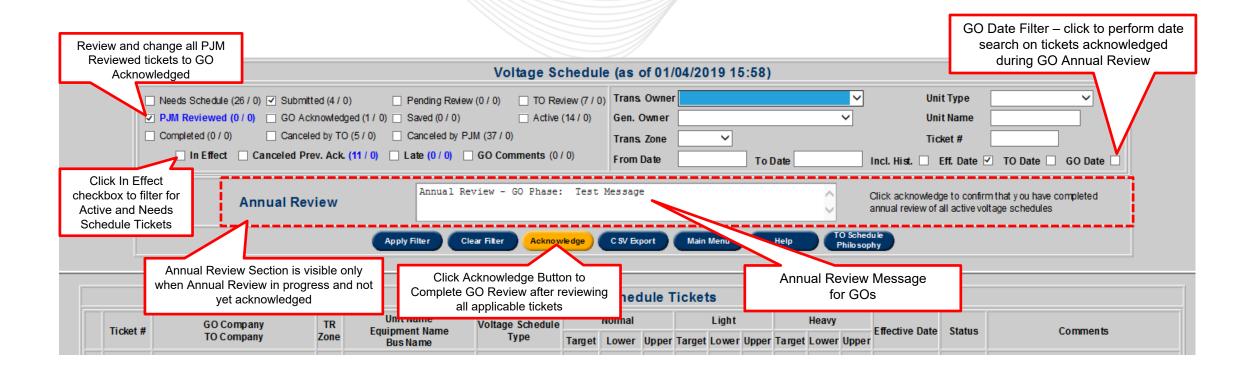


### GO Review Phase – Steps for Annual Review

- GO View defaults to PJM Reviewed filtered tickets. Any tickets in this status need to be reviewed by the GO, and GO Acknowledged after implementing at the respective generators.
- Click In Effect filter to select only Active and Needs Schedule tickets.
  - Active tickets indicate generator voltage schedules that have been fully processed (i.e. TO Submitted, PJM Reviewed, and GO Acknowledged) and are currently in effect. These need to be reviewed by the GO to ensure accurate implementation at the respective generators.
  - Needs Schedule tickets indicate generators without submitted voltage schedules, or generators with submitted voltage schedules that have not yet been fully processed (i.e. not yet GO Acknowledged or Active). These do not require any action by the GO.
- Click orange Acknowledge button to complete annual review.



#### GO Review Phase - eDART GO View







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