

# **NYISO proposal to update weighted EFORd figures in the IRM assumption matrix and IRM Report**

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# Purpose

- The purpose of this presentation is discuss the updated process to identify zonal EFORd values in the IRM assumptions matrix and Figures A-4 and A-5 in the 2018 IRM Final Report

# Presentation summary

- **The IRM assumptions matrix EFORd graph has historically shown general EFORd trends for large hydro and thermal units**
  - These figures have not shown the EFORd values used to shift ICAP in the Tan45 process
- **This presentation proposes an updated process for showing snapshots of zonal EFORd values in the IRM assumption matrix and report**
  - The updated EFORd values would be consistent with the EFORd measures used to shift ICAP in the Tan45 process
  - With ICS approval, the NYISO would adopt this proposal going forward, including for the 2019 IRM Final Report and Appendices

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# Current IRM figures

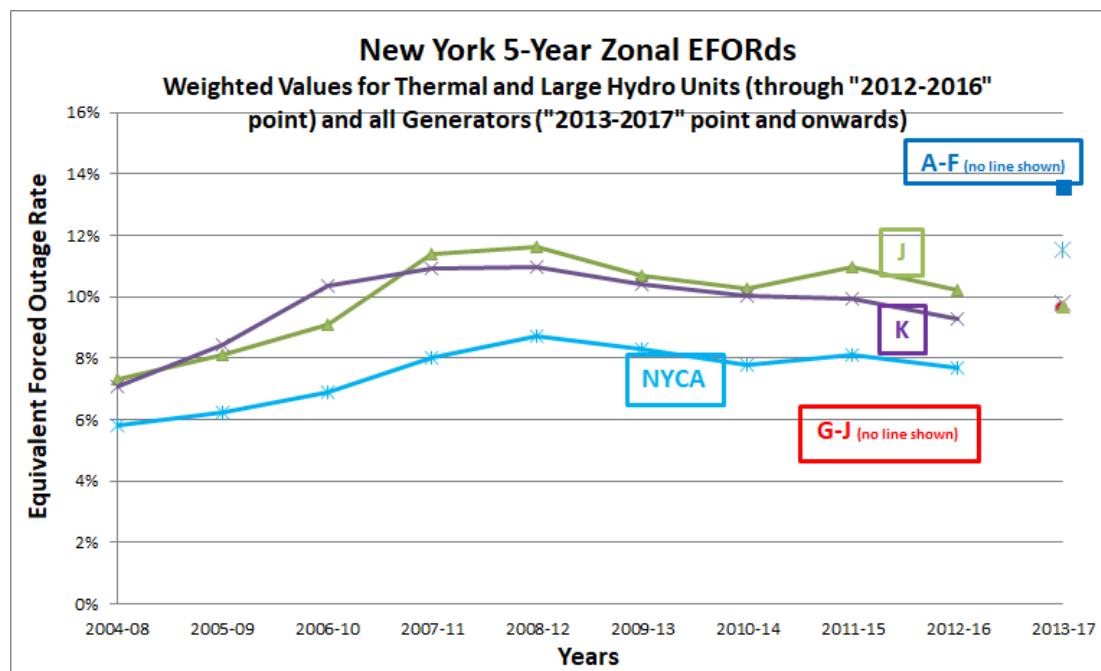
- **Provide a snapshot of zonal EFORd based on**
  - GADS-based EFORd values for existing resources and class average rates for new resources
  - Shows thermal and large hydro resources
- **Fixed at the time of their creation (*i.e.*, are not updated within the IRM cycle)**

# Proposed figure updates

- **Update the EFORd figure between the IRM PBC assumptions matrix and the IRM Final Report**
  - The preliminary EFORd figure will still be created for the preliminary base case
  - The update for the IRM Final Report will capture changes in the supply mix
- **Update the EFORd values shown to be consistent with the EFORd values used in the IRM ICAP-to-UCAP translation (*e.g.*, for shifting ICAP)**
  - Notably, the EFORd for shifting ICAP includes Intermittent and Run-of-River resources
- **Add an EFORd series for the G-J Locality by swapping out the F-I EFORd measure currently shown**
  - This adds additional information while keeping the graph readable
- **Replace the Zones “A-E” EFORd series with a Zones “A-F” EFORd series**
- **Create the five year EFORd figure (same as today) but do not create the one-year EFORd figure**
  - Shorter term EFORd data (*i.e.*, historic EFORd data used to administer ICAP auctions) will continue to be available in Appendix C of the IRM Report
    - See pages 56 – 60 of the 2018 IRM Report Appendices
- **Note the snapshot nature of the figures**
- **Note the method change for calculating the EFORd in the figure**

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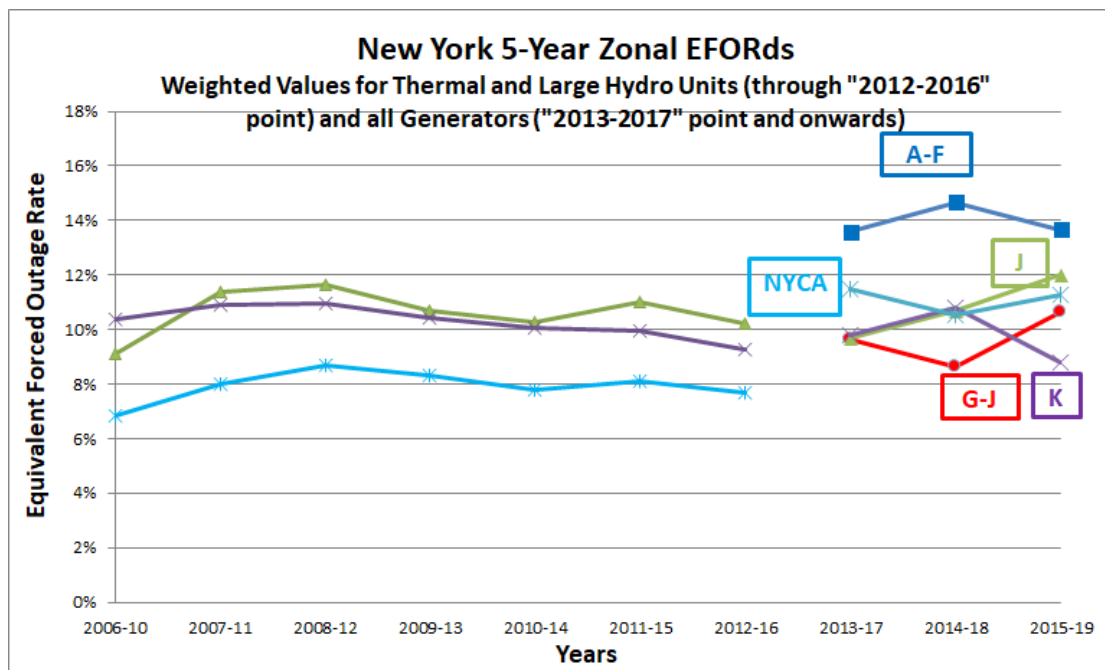
# Example of the proposed EFORd figure



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# Illustration of how new data would roll on

Note: "2014-18" and "2015-19" points are not based on actual data. These points only show how the figure will change over time as new data become available.



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# 2019 PBC EFORd values used to shift ICAP

Zone(s)	Model EFORd
NY_A	0.0485
NY_C	0.1128
NY_D	0.3352
NY_G-I	0.0956
NY_J	0.0967
NY_K	0.0979
System	0.1151

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# Questions?

Questions or comments can be sent to Nathaniel

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