



# Interconnection Process Enhancements 2018 Changes

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# FERC filing status of IPE 2018: for topics impacting processes from initiating an Interconnection Request through the 2<sup>nd</sup> IFS posting

IPE 2018 Topic	FERC Filing Status
Study Agreements	FERC approved 2/19/19
Impact of Modifications on Initial Financial Security Posting	FERC approved 2/19/19
Eliminate Conditions for Partial IFS Recovery upon Withdrawal	FERC approved 2/19/19
Project Name Publication	FERC approved 2/19/19
Transmission Plan Deliverability Allocation	FERC approved 2/19/19
Interconnection Request Acceptance	Filed 2/7/2019
Validation Criteria	Filed 2/7/2019
Ride-through Requirements for Inverter-based Generation	To be filed 2/25/2019
Affected Participating Transmission Owner	To be filed Q2 2019
Maximum Cost Responsibility for NUs and potential NUs	To be filed Q2 2019
Reliability Network Upgrade Reimbursement Cap	To be filed Q2 2019

# CAISO proposed ride-through requirements for inverter-based generation

Revise GIAs to incorporate NERC recommendations for inverter based generation

1. Eliminate momentary cessation for transient low voltages and transient high voltages where  $V < 1.20$  pu
2. Allow momentary cessation for  $V \geq 1.20$  pu
3. Eliminate inverter trip for momentary loss of the phase lock loop
4. Establish inverter TRIP return time range
5. Coordinate inverter controls with plant level controller
6. Identify minimum level of diagnostic equipment

# Proposed new minimum requirements for IRs (tariff section: *3.5.1 Initiating an Interconnection Request*)

1. Interconnection Study Deposit (\$150,000 for Cluster and ISP)
2. Completed Appendix 1 (Interconnection Request - attached)
  - Including study agreement with authorized signatory, & state of incorporation for IC
3. Completed Attachment A to Appendix 1 (generator technical data – Excel):
  - Technical Data tab: No error flags and all warnings explained
  - IR Validation and Comments tab: Column A completed with “Yes” or “N/A” on all items
4. Evidence of site exclusivity or deposit in lieu of site exclusivity
5. Load flow model (.epc)
6. Dynamic model (.dyd)
7. Reactive power capability document
8. Site drawing
9. Single line diagram
10. Plot from PSLF showing flat run and bump test
  - (fault at bus and clear after 4-6 cycles) (screenshot okay)
11. Plot from PSLF showing requested MW at POI (screenshot okay)

Providing all required IR application information is  
**CRITICAL**

Interconnection requests not submitting required information by April 15 would be deemed incomplete with no opportunity to cure or otherwise be included in that year's cluster study