

11-IEP-1E

**DOCKET**

11-IEP-1G

DATE May 17 2011

RECD. May 18 2011

# IMPERIAL IRRIGATION DISTRICT Generator Interconnection Process Transitional Cluster Update

IEPR Committee Workshop  
Transmission Needed to Meet State Renewable Policy  
Mandates and Goals

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May 17, 2011



[www.iid.com](http://www.iid.com)

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# IID Interconnection Queue as of 5/17/2011

- IID has 44 projects in its interconnection process at this time proposing to deliver 3152 MW of renewable energy to the CAISO.
  - *Solar* *2372 MW*
  - *Geothermal* *750 MW*
  - *Biomass* *30 MW*
- 13 projects in the Transitional Cluster proposing to deliver 1225 MW to the CAISO BAA.
  - *Network upgrades to IID of \$300 Million identified to accommodate proposed renewable generation projects.*
  - *Required studies complete and interconnection agreements tendered May 3, 2011.*
  - *Preliminary indications from developers is that the entire cluster intends to move forward*
  - *Proposed in-service date for all upgrades: 12/31/2013*



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# PLANNED TRANSMISSION UPGRADES

- Transitional Cluster drove the need for four major network upgrades:
  - *Path 42 (IID/SCE facility) – IID intends to upgrade its portion of the path to deliver an additional 855 MW of renewables to the CAISO BAA.*
  - *Highline-El Centro – upgrade of 92kV line to 230kV*
  - *Midway-Bannister Phase 2 – next 5.5 miles of 230kV Transmission Line. Midway-Bannister is 32 mile 230kV line. Phase 2 will complete build out of 14 miles.*
  - *230kV “S” Line upgrade – IV Sub to El Centro Switching Station*
- To promote efficiency and economy where possible, IID identified **upgrades** to existing infrastructure rather than proposing new facilities.
- IID is moving forward with its Imperial Valley-Dixieland 230kV Transmission Line Interconnection (increases export from IID into the CAISO from 240 to 600 MW). In-service date is Q3 2012.

