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| Description: | 4.E Lauren Silva IID |
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Imperial Irrigation District

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Imperial Irrigation District

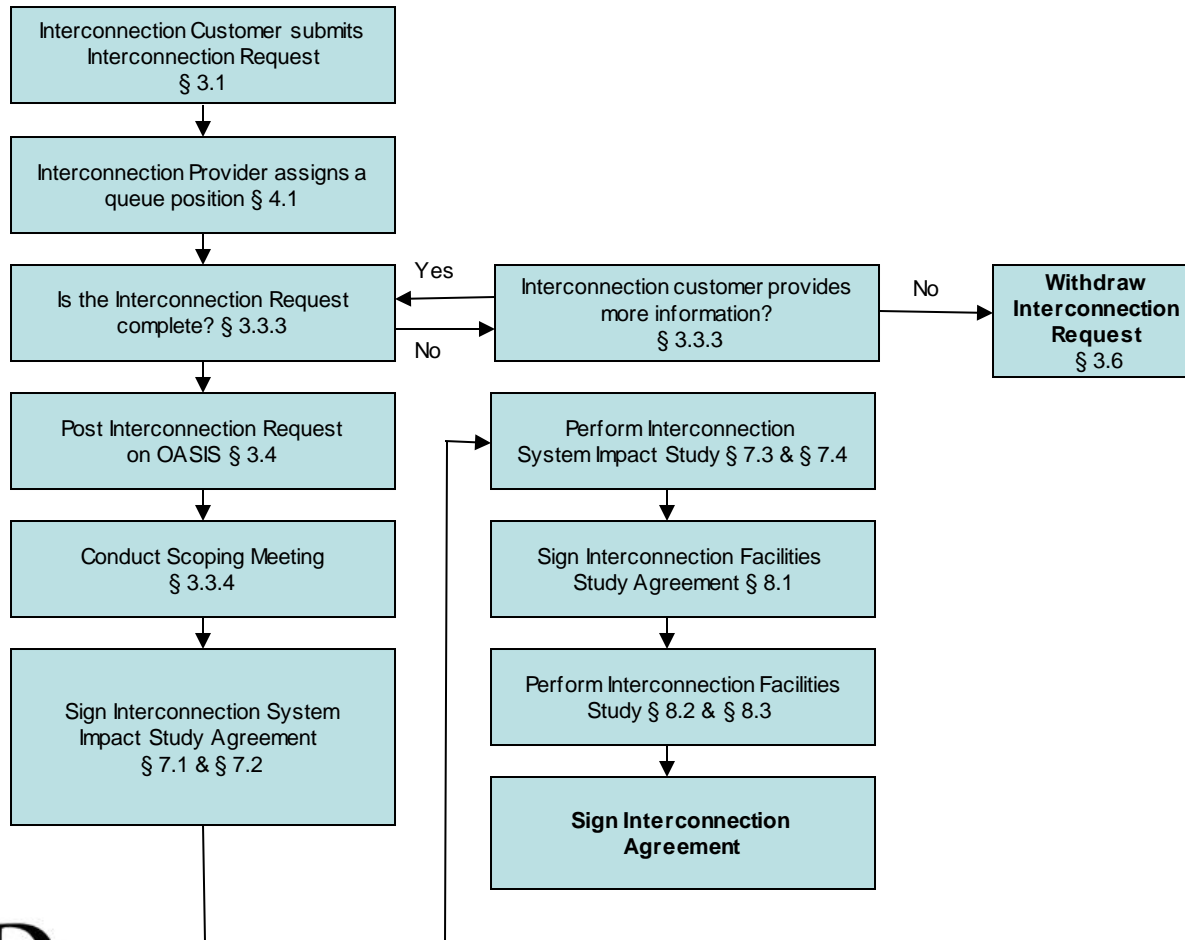
- Organized in 1911 under the California Irrigation District Act
- Governed by a 5-member Board of locally elected and appointed officials
- Publicly owned utility with local ratemaking authority
- Service territory covers 6,471 square miles and serves over 158,000 customers
- The sixth-largest utility in California, IID controls more than 1,100 megawatts of energy derived from a diverse resource portfolio that includes its own generation, and long- and short-term power purchases.



Open Access Transmission Tariff

- IID's tariff was adopted by the IID board in 2001
- IID's OATT contains three parts:
 - *Part I: Transmission Service*
 - *Part II: Network Integration Service*
 - *Part III: Generator Interconnection Service*
- The OATT identifies the process and has template agreements used by IID, including study agreements, the standard generator interconnection agreement and transmission service agreements.
- OATT also defines required deposits for reserving capacity and initiating interconnection process.

Generating Facility Interconnection Process



Process - Interconnection

- In response to valid request
- System Impact Study
 - *Identifies impacts and defines mitigations*
- Facility Study
 - *Mitigations are refined and cost estimates provided including potential timelines.*
- Generator Interconnection Agreement
 - *Agreement contains infrastructure requirements and costs, along with milestone payment and construction schedules.*

Process – Transmission Service

- Transmission Service
 - *A customer must submit a Transmission Service Request via OASIS, IID determines if capacity is available to serve without upgrades*
- If capacity exists, IID tenders agreement.
- If no capacity, a study is required that identifies transmission upgrades.
- Customer is responsible for the cost of upgrades.
- IID tenders service agreement with costs and required transmission upgrades.

Trends



- Increase in Interconnection Requests since 2021
- Solar with storage
- Standalone storage
- Bi-directional charging

Challenges



- Staffing constraints
- Transmission Saturation
- New Technology

Current Projects

- OATT Reform
- Path 42 Rating Increase
- Salton Sea Transmission Line Project
- Ramon-Mirage 2 Transmission Project
- S- Line Upgrade
- R- Line Upgrade
- North Gila to Imperial Valley #2
- Energy Imbalance Market

Best Practices



- Development
- Adaptability
- Interconnected Project Success

Statistics



Interconnected Projects

- *1 Biomass at 55 MW*
- *17 Geothermal at 652 MW*
- *24 Solar at 620 MW*

Projects in Development

- *1 Solar at 50 MW*
- *1 Standalone Storage at 30 MW*
- *2 Geothermal at 68 MW*
- *9 Solar with Storage at 805 MW*

Projects in Queue

- *2 Biomass at 108 MW*
- *5 Geothermal at 607 MW*
- *5 Standalone Storage at 937 MW*
- *16 Solar with Storage at 2,985 MW*

Questions

