

## Resource Information Sheet: Solar and Wind

### For facilities < 1 MW

<p>Interconnection</p>	<p>If connecting through a Utility (Distribution)</p> <ul style="list-style-type: none"> <li>The facility will have to complete one of the interconnection processes offered by the Utility (Rule 21 or WDAT)</li> </ul> <p>If connecting directly to ISO (Transmission)</p> <ul style="list-style-type: none"> <li>Must file interconnection request in ISO process (Due to size, facility is eligible for Fast Track process or 10kW Inverter process if screens are passed)</li> <li>Generally, no interconnection study at the detail level of a System Impact Study is required</li> </ul>
<p>ISO Agreements</p>	<ul style="list-style-type: none"> <li>Small Generator Interconnection Agreement (SGIA) or Agreement for Inverter-Based Small Generating Facility No Larger than 10kW, if connected to the ISO</li> <li>Participating Generator Agreement (PGA), QF-PGA</li> <li>Metering Services Agreement for CAISO Metered Entities (MSACAISOME)</li> <li>Scheduling Coordinator (SC) Agreement (if the Project is the SC, otherwise letter stating who the SC is)</li> <li>Qualified Reporting Entity Service Agreement (Optional)</li> </ul>
<p>Modeling, Metering &amp; Telemetry</p> <p><small>*Modeling for Full Network Model (FNM) is done via a database build ("DB build")</small></p>	<ul style="list-style-type: none"> <li>If Utility connected, customer must follow WDAT process in order for the project to be modeled in the ISO Market software</li> <li>Exempt from ISO Telemetry requirements</li> </ul>
<p>Market</p>	<ul style="list-style-type: none"> <li>Participating Generator is a Generator or other seller of Ancillary Services or Energy through an SC (1) from a Generating Unit with a rated capacity of 1 MW or greater, (2) from a Generating Unit with a rated capacity of 500 kW up to 1 MW for which the Generator elects to be a Participating Generator, or (3) from a Generating Unit providing Ancillary Services or submitting Energy bids through an aggregation arrangement approved by the ISO, which has agreed to be bound by the terms of a PGA, QF-PGA or Pseudo-Tie Participating Generator Agreement.</li> </ul>
<p>Other</p>	<ul style="list-style-type: none"> <li>Utility interconnections under WDAT and Rule 21 may be eligible to provide <a href="#">RA</a> capacity</li> <li>Not eligible for PIRP; only resources greater than 1MW qualify as Eligible Intermittent Resources, and PIRP Resources must be EIRs</li> </ul>

### For facilities >=1 MW and <= 5 MW

<p>Interconnection</p>	<p>If connecting through a Utility (Distribution)</p> <ul style="list-style-type: none"> <li>The facility must be processed in either WDAT or Rule 21 interconnection processes</li> </ul> <p>If connecting directly to ISO (Transmission)</p> <ul style="list-style-type: none"> <li>Due to size, facility is eligible for Fast Track process or 10kW Inverter process if facility passes screens</li> <li>If the project does not qualify for Fast Track process or 10kW Inverter process, it must be processed under the GIP interconnection process. Cluster Study Process window to request interconnection is only open one month per year. May apply to Independent Study Process at any time, but must pass screens to continue.</li> </ul>
<p>ISO Agreements</p>	<ul style="list-style-type: none"> <li>If WDAT connected, provide a copy of Interconnection Agreement</li> <li>If ISO transmission connected, Small Generator Interconnection Agreement (SGIA)</li> <li>Participating Generator Agreement (PGA), QF-PGA</li> <li>Metering Services Agreement for CAISO Metered Entities (MSACAISOME)</li> <li>Scheduling Coordinator (SC) Agreement (if the Project is the SC, otherwise letter stating who the SC is)</li> <li>Qualified Reporting Entity Service Agreement (Optional)</li> </ul>
<p>Modeling, Metering &amp; Telemetry</p> <p><small>*Modeling for Full Network Model (FNM) is done via a database build ("DB build")</small></p>	<ul style="list-style-type: none"> <li>If Utility connected, customer must follow WDAT process in order for the project to be modeled in the ISO Market software</li> <li>Copy of Interconnection Agreement needed for modeling</li> <li>Engineering drawings (stamped by Professional Engineer)</li> <li>Project is subject to all ISO <a href="#">requirements</a> for modeling, including metering and telemetry (for units &gt; 1 MW)</li> </ul>
<p>Market</p>	<ul style="list-style-type: none"> <li>Supply can be bid into the market through a Scheduling Coordinator (SC)</li> <li>Payments/charges are settled through a Scheduling Coordinator (SC)</li> <li>Eligible for RMT scheduling priority if a Qualifying Facility (QF)</li> </ul>
<p>Other</p>	<ul style="list-style-type: none"> <li>Projects selecting Partial or Full Capacity Deliverability status may be eligible to provide <a href="#">RA</a> capacity</li> <li>May be eligible for <a href="#">PIRP</a> program, pending Eligible Intermittent Resource status (EIR) (for units &gt;= 1 MW)</li> </ul>

### For Facilities > 5 MW and <= 20 MW

Interconnection	<p>If connecting through a Utility (Distribution)</p> <ul style="list-style-type: none"> <li>The facility must be processed in either WDAT or Rule 21 interconnection processes</li> </ul> <p>If connecting directly to ISO (Transmission)</p> <ul style="list-style-type: none"> <li>Facility must use Cluster Study Process or Independent Study Process</li> <li>Must be processed under GIP interconnection process. Cluster Study Process window to request interconnection is only open one month per year. May apply to Independent Study Process at any time, but must pass screens to continue.</li> </ul>
ISO Agreements	<ul style="list-style-type: none"> <li>If WDAT connected, provide a copy of Interconnection Agreement</li> <li>If ISO transmission connected, Small Generator Interconnection Agreement (SGIA)</li> <li>Participating Generator Agreement (PGA), QF-PGA</li> <li>Metering Services Agreement for CAISO Metered Entities (MSACAISOME)</li> <li>Scheduling Coordinator (SC) Agreement (if the Project is the SC, otherwise letter stating who the SC is)</li> <li>Qualified Reporting Entity Service Agreement (Optional)</li> </ul>
<p>Modeling, Metering &amp; Telemetry</p> <p><small>*Modeling for Full Network Model (FNM) is done via a database build ("DB build")</small></p>	<ul style="list-style-type: none"> <li>If Utility connected, customer must follow WDAT process in order for the project to be modeled in the ISO Market software</li> <li>Copy Interconnection Agreement needed for modeling</li> <li>Engineering drawings (stamped by a Professional Engineer)</li> <li>Subject to all ISO <a href="#">requirements</a> for modeling, including metering and telemetry (for units &gt; 1 MW)</li> </ul>
Market	<ul style="list-style-type: none"> <li>Supply can be bid into the market through a Scheduling Coordinator (SC)</li> <li>Payments/charges are settled through a Scheduling Coordinator (SC)</li> <li>Eligible for RMT scheduling priority if a Qualifying Facility (QF)</li> </ul>
Other	<ul style="list-style-type: none"> <li>Projects selecting Partial or Full Capacity Deliverability status may be eligible to provide <a href="#">RA</a> capacity</li> <li>May be eligible for <a href="#">PIRP</a> program, pending Eligible Intermittent Resource status (EIR) (for units &gt;= 1 MW)</li> </ul>

### For Facilities > 20 MW

Interconnection	<p>If Utility distribution connected, customer must follow WDAT or Rule 21 interconnection processes. Facilities larger than 20 MW are most likely ISO Transmission connected</p> <p>If connecting directly to ISO (Transmission)</p> <ul style="list-style-type: none"> <li>Must be processed under GIP interconnection process. The project must use either Cluster Study Process or Independent Study Process. Cluster Study Process window to request interconnection is only open one month per year. May apply to Independent Study Process at any time, but must pass screens to continue.</li> </ul>
ISO Agreements	<ul style="list-style-type: none"> <li>Large Generator Interconnection Agreement (LGIA) if connecting directly to the ISO controlled grid (Distribution connected projects enter into LGIA with Utility)</li> <li>Participating Generator Agreement (PGA), QF-PGA</li> <li>Metering Services Agreement for CAISO Metered Entities (MSACAISOME)</li> <li>Scheduling Coordinator (SC) Agreement (if the Project is the SC, otherwise letter stating who the SC is)</li> <li>Qualified Reporting Entity Service Agreement (Optional)</li> </ul>
<p>Modeling, Metering &amp; Telemetry</p> <p><small>*Modeling for Full Network Model (FNM) is done via a database build ("DB build")</small></p>	<ul style="list-style-type: none"> <li>If Utility connected (not likely if &gt; 20 MW), customer must follow WDAT process in order for the project to be modeled in the ISO Market software</li> <li>Copy Interconnection Agreement needed for modeling</li> <li>Engineering drawings (stamped by Professional Engineer)</li> <li>Subject to all ISO <a href="#">requirements</a> for modeling, including metering and telemetry (for units &gt; 1 MW)</li> </ul>
Market	<ul style="list-style-type: none"> <li>Supply can be bid into the market through a Scheduling Coordinator (SC)</li> <li>Payments/charges are settled through a Scheduling Coordinator (SC)</li> <li>Eligible for RMT scheduling priority if a Qualifying Facility (QF)</li> </ul>
Other	<ul style="list-style-type: none"> <li>Projects selecting Partial or Full Capacity Deliverability status may be eligible to provide <a href="#">RA</a> capacity</li> <li>Solar Thermal projects and all projects &gt;50 MW require a licensing permit from the <a href="#">CEC</a></li> <li>May be eligible for <a href="#">PIRP</a> program, pending Eligible Intermittent Resource status (EIR) (for units &gt;= 1 MW)</li> </ul>