Overview of Direct Access
Presented by Rob Aldridge
Direct Access to Renewable Energy

CLEAN GENERATION
3 Phases procures renewable energy from a local or regional facility

DELIVERY
The local utility delivers the electricity

CUSTOMER(S)
Customers receive clean energy at competitive rates
Renewable Energy and RECs

Bundled RECs

Energy

REC

Load Serving Entity

Unbundled RECs

Energy

REC

Load Serving Entity

Load Serving Entity (for RPS compliance) or REC Consumer (for renewable bragging rights)

Electric Generating Facility
3 Phases Renewables is a “green” Electric Service Supplier (ESS) in CA and OR

• 20 year record of providing retail renewable energy in the Western USA

• The highest renewable energy content of any other Load Serving Entity (LSE) in CA

• Many customizable products and services, including wholesale supply consulting.
Deregulated Markets
### Electricity Suppliers and Applicants

<table>
<thead>
<tr>
<th>Supplier Name</th>
<th>Docket No.</th>
<th>Order No.</th>
<th>Status/Date</th>
<th>Contact Number</th>
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<tbody>
<tr>
<td>Constellation NewEnergy, formerly AES NewEnergy</td>
<td>ES 4</td>
<td>02-777 02-031</td>
<td>Name Change Granted 11/04/02</td>
<td>(888)635-0827</td>
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<tr>
<td>Shell Energy North America (US) L.P., formerly Coral Power</td>
<td>ES 15</td>
<td>04-310</td>
<td>Certification Granted 6/9/04</td>
<td>(877)627-3488</td>
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<tr>
<td>Calpine Energy Solutions, LLC formerly Noble Americas Energy Solutions LLC</td>
<td>ES 8</td>
<td>16-479</td>
<td>Name Change Granted 12/14/17</td>
<td>(877)273-6772</td>
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<tr>
<td>Avangrid Renewables, LLC formerly Iberdrola Renewables, LLC</td>
<td>ES 19</td>
<td>16-127</td>
<td>Name Change Granted 3/28/2016</td>
<td>(503)796-7000</td>
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<tr>
<td>3 Phases Renewables Inc.</td>
<td>ES 21</td>
<td>15-038</td>
<td>Certification Granted 2/6/2015</td>
<td>(800)378-3817</td>
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<tr>
<td>EDF Energy Services, LLC</td>
<td>ES 22</td>
<td>16-202</td>
<td>Certification Granted</td>
<td>(877)432-4530</td>
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Energy Mix for Oregon

- **Hydro**: 40.47%, 19,488,884 MWh
- **Coal**: 31.89%, 15,358,984 MWh
- **Natural Gas**: 16.58%, 7,983,566 MWh
- **Wind**: 6.49%
- **Nuclear**: 3.25%

References: 3, 4, 5, 6
Anywhere on Western Power Grid
3 Phases is glad to participate with the following organizations and municipal entities

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