TVA Mission

Energy

TVA delivers safe, reliable, cleaner, competitively priced electricity

Environment

TVA is committed to limiting the environmental impact of our operations

Economic Development

Economic Development is a cornerstone of TVA’s mission to make life better for Valley residents

TVA Service Area

1. As the largest public power company in the nation, TVA is doing everything possible to keep more money in customers' wallets.

2. Right now TVA has the lowest industrial electric rates among our peers—this is a tremendous competitive advantage that makes the Valley an attractive place to do business.

3. From a financial perspective, TVA does not have shareholders whose dividends are paid through rates. Every penny is reinvested into furthering the mission of Energy, Environment, and Economic Development.
TVA system carbon emissions rate is forecasted to approach a 60% reduction by 2020 and a 70% reduction by 2030 from a 2005 baseline.
1. Lighting Upgrades

2. Compressed Air Optimization

3. Energy Management Systems/Programmable Thermostats

4. HVAC Upgrades

5. Electric Forklifts – EPRI Forklift Calculator

6. Heat recovery opportunities
## 2020 TVA Renewable Solutions

### Onsite Solutions

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>Dispersed Power Production</th>
<th>GREEN INVEST</th>
<th>GREEN SWITCH</th>
<th>GREEN FLEX</th>
</tr>
</thead>
<tbody>
<tr>
<td>On-site</td>
<td>In the Valley</td>
<td>In the Valley</td>
<td>Out of the Valley</td>
<td></td>
</tr>
<tr>
<td>COMMITMENT</td>
<td>5 Years</td>
<td>Up to 20 years</td>
<td>Short term</td>
<td>1 Year</td>
</tr>
<tr>
<td>PRICE / CREDIT</td>
<td>~$25/ MWh Credit</td>
<td>Market-based</td>
<td>$10/ MWh</td>
<td>$1.50/ MWh</td>
</tr>
<tr>
<td>SIZE</td>
<td>Varies</td>
<td>Large Scale</td>
<td>Small Scale</td>
<td>Mid to Large Scale</td>
</tr>
<tr>
<td>CERTIFICATION</td>
<td>NA</td>
<td>NA</td>
<td>Green-e certified</td>
<td>Green-e certified</td>
</tr>
</tbody>
</table>

### Offsite Solutions

<table>
<thead>
<tr>
<th>TECHNOLOGY</th>
<th>Onsite Solutions</th>
</tr>
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<tbody>
<tr>
<td>WIND</td>
<td>TVA procures renewables to meet up to 100% of customer’s load</td>
</tr>
<tr>
<td>SOLAR</td>
<td></td>
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<tr>
<td>BIOMASS</td>
<td></td>
</tr>
<tr>
<td>OTHER</td>
<td>Co-generation</td>
</tr>
</tbody>
</table>
Dispersed Power Production
Dispersed Power Production (DPP) Overview

Key Principles:
- 5-year Power Purchase Agreement (PPA) between TVA and Qualified Facility
  - No contract with LPC for DPP
- Guidelines Posted on TVA’s external DPP website
- Pricing set monthly and published on TVA’s external DPP website
  - Based on TVA’s short-term forecasted avoided costs
- Qualifying Facilities – Small Power Producers (Up to 80MW) or Cogeneration Facility
Green Invest
Replacing Renewable Investment Agreement (RIA)

Key Principles:

- **NEW**-to-the-world, in-Valley Utility-Scale Renewables
- Customer will have a load commitment commensurate with renewable supply being procured
- The Power Purchase Agreements will be for energy delivered terms of up to **20 years**
- Collaborative, competitive procurement
- **Fixed product pricing** set to cover the additional cost of renewable power
Green Flex
Green Flex allows business and industry customers to **reduce their environmental impact**.

**OUT OF VALLEY WIND ENERGY**

- CY20 Price: **$1.50/MWh**
- 1-year contract
- Program operates on a calendar year basis i.e. January 2020 – December 2020
- Annual Minimum – 2,000 RECs
- 100% wind located outside of the Valley; Wind energy is delivered to the Valley via existing PPAs

NO LONG TERM COMMITMENT | NO UPFRONT COST | NO ADDITIONAL INFRASTRUCTURE NEEDED

*Price subject to change annually*
THANK YOU!