SOBOBA BAND OF LUISEÑO INDIANS

Developer

OPTIMUM GROUP

Optimum Group LLC
215 N. Marengo Avenue, Suite 362
Pasadena, CA 91101

May 6th, 2015
Soboba History

- Tribal members of Cahuilla and Luiseno Ancestry
- Recognized as established Indian community since 1815
- Formally organized in 1883 by executive order of President Chester Arthur
Soboba History

- Tribe consisting of 1200 members
- 7000 acres of land
- 400 acres of residential developments
Economic Development

- Resource Planning
- Environmental Assessment & Planning
- Economic & Real Estate Development
Master Planning & Sustainability

- Land
  - Land Planning & Development
  - Schools
  - Hydrology & Flood Control
- Renewables & Sustainability
  - Wastewater Treatment For Irrigation Of Golf Course
  - Solar Energy
  - Battery Storage
Solar Feasibility Study

- Carry out geographical research & analysis
- Perform site evaluation
- Conduct preliminary research on available solar programs
- Perform economic analysis
- Propose strategy
Geographical Research & Analysis
Land Use Plan
Planning Area A

Accounts

1) Noli High
2) Ball Field #1 & Sports Complex
3) Ball Field # 2
4) D.W. # 4 (water pumps)
5) D.W. # 3 (water pumps)
6) I.W. # 2 (water pumps citrus)
7) D.W. # 1 (water pumps)
Planning Area B

Accounts
8) Administration Building
9) Pre-School
10) Tribal Hall
11) Public Works a & b
Planning Area C

Accounts

12) Casino Meter #1
13) Casino Meter #2
Planning Area D

Accounts

14) Oaks Meter #1 a,b & c
15) Oaks Meter #2
16) S.W. #1 oaks
Energy Evaluation
<table>
<thead>
<tr>
<th>Planning Areas &amp; Meters</th>
<th>2 Year kwh Usage</th>
<th>Average Annual kwh Usage</th>
<th>MW DC PV Size For 100% Offset</th>
<th>MW AC PV Size For 100% Offset</th>
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</thead>
<tbody>
<tr>
<td>Planning Area A</td>
<td></td>
<td></td>
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<tr>
<td>Ball Filed # 1 a</td>
<td>135,295</td>
<td>67,648</td>
<td>0.045</td>
<td>0.036</td>
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<tr>
<td>Ball Field # 1 b</td>
<td>394,301</td>
<td>197,151</td>
<td>0.131</td>
<td>0.105</td>
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<tr>
<td>Ball Field # 2</td>
<td>34,469</td>
<td>17,235</td>
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<td>0.009</td>
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<tr>
<td>D.W. # 1</td>
<td>76,020</td>
<td>38,010</td>
<td>0.025</td>
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<tr>
<td>D.W. # 3</td>
<td>847,589</td>
<td>423,795</td>
<td>0.283</td>
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<td>D.W. # 4</td>
<td>547,086</td>
<td>273,543</td>
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<td>I.W. # 2</td>
<td>739,336</td>
<td>369,668</td>
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<td>Noli High</td>
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<td>Planning Area B</td>
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<tr>
<td>Administration Building</td>
<td>647,596</td>
<td>323,798</td>
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<td>0.173</td>
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<td>Pre-School</td>
<td>135,222</td>
<td>67,611</td>
<td>0.045</td>
<td>0.036</td>
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<td>Public Works a</td>
<td>82,706</td>
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<td>Public Works b</td>
<td>25,630</td>
<td>12,815</td>
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<td>Tribal Hall</td>
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<td>50,122</td>
<td>0.033</td>
<td>0.027</td>
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<td>Planning Area C</td>
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<tr>
<td>Casino Meter # 1</td>
<td>15,998,039</td>
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<td>Casino Meter # 2</td>
<td>6,201,519</td>
<td>3,100,760</td>
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<td>Oaks Meter # 1 a</td>
<td>33,265</td>
<td>16,633</td>
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<td>Oaks Meter # 1 b</td>
<td>92,043</td>
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<td>Oaks Meter # 1 c</td>
<td>254,008</td>
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<td>S.W. # 1 Oaks</td>
<td>79,228</td>
<td>39,614</td>
<td>0.026</td>
<td>0.021</td>
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</table>
Solar Programs & Regulations

- Net Energy Metering (NEM)
- Virtual Net Energy Metering (VNEM)
- Re-MAT PPA with Edison
Overall Solar Footprint
Financial Incentives

- Federal Investment Tax Credit up to 30% of the cost of solar project for qualified investors
- Department Of Energy grant available for Native American solar projects
  a) For communities up to $1m
  b) For facilities up to $0.5m for
Strategy
Strategy

Step 1 – Immediate Opportunity

- System 1 – 1.257 MW DC (1 MW AC) VNEM for planning areas A, B & D

Step 2 – Further Studies, Planning & Negotiation With Edison

- System 2 – 2.626 MW DC (2.1 MW AC) stand alone system for planning area C

  Or

- System 3 – 5+ MW microgrid in conjunction with storage