BENEFITS OF TRANSPORTATION ELECTRIFICATION

What if 100% of San Antonio area vehicles were all electric today?

• 60% lower fuel & maintenance which improves transportation affordability

• Locally produced energy is independent from foreign fuel sources

• Cleaner air will bring San Antonio back into Ozone Attainment status
LOCAL EV SALES GROWING

- 2018 US sales have increased by 80% over 2017
- 2,100 EVs in SA area in 2018, represents a 65% increase over 2017
- 50,000 - 70,000 EV’s/PHEV’s in SA area by 2040

San Antonio – Cumulative registrations by type

<table>
<thead>
<tr>
<th>Year</th>
<th>PHEV</th>
<th>BEV</th>
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<tbody>
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<td>2011</td>
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<td>2017</td>
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<td>2018</td>
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</tbody>
</table>

Available EV Models

- 3
- 8
- 13
- 19
- 19
- 26
- 36
- 53

Average EV Range

- 68
- 112
- 109
- 101
- 101
- 129
- 160
- 192

Sources:
1. EPRI, Sales data through August 2018
2. CPS Energy blended forecast from multiple resources (e.g., Frontier, etc)

Rapid consumer adoption rates
Drivers of EV Adoption Rates

- Education on the benefits to consumers
- EV charging infrastructure for Public Charging
- DC Fast Chargers along major corridors and locations

Encouraging programs for several target markets
COMMUNITY NEEDS

• Solutions needed to support systems for electric vehicles
  • Integration with other smart city technologies
  • Raceways for future conduits
  • Extra space in breaker panels

• Integrated planning processes
  • EV driver seamless experience

• Flexible solutions to accommodate technological innovations
  • Rapidly changing technology

Holistic solutions provide greatest benefit
Questions