Funding and Planning for the EV Transition

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Frontier Energy, Inc.
## 10-year transition plan

<table>
<thead>
<tr>
<th></th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
<th>2025</th>
<th>2026-30</th>
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</thead>
<tbody>
<tr>
<td>Light-duty vehicle procurement</td>
<td>$1,156,200</td>
<td>$678,043</td>
<td>$151,379</td>
<td>$191,797</td>
<td>$151,736</td>
<td>$2,528,658</td>
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<tr>
<td>Charger procurement and installation*</td>
<td>$675,500</td>
<td>$675,500</td>
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<tr>
<td>Annual charger maintenance fee*</td>
<td>$12,400</td>
<td>$22,300</td>
<td>$22,300</td>
<td>$22,300</td>
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<tr>
<td>Solar PV procurement and installation*</td>
<td>$534,650</td>
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<tr>
<td>BES procurement and installation</td>
<td>$1,020,000</td>
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<td>Back-up generator procurement</td>
<td>$827,000</td>
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<tr>
<td>Reserved funds for procurement of heavy-duty EVs for evaluation</td>
<td>$250,000</td>
<td>$250,000</td>
<td>$250,000</td>
<td>$250,000</td>
<td>$250,000</td>
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</tbody>
</table>
Know your vehicles

- Do you *really* have all the vehicles in your inventory?
- Does the make and model match the fuel type?
- Do you *really* know which department has the vehicle?
- Do you *really* know where it sleeps at night?
Know their operation

- How long does it sit still? Where does it sit still?
- What jobs does the vehicle support? Does that job need this vehicle?
- Who fuels the vehicle and where? Is the tank always full?
- What is the vehicle’s exceptional day?
- Which vehicles are needed in emergencies?
- Did COVID change the way vehicles are used? Is that permanent?
In your replacement plan...

- Which can’t be replaced with a cost-competitive EV?
  - Can you switch to RNG or renewable diesel?
- Which could be replaced with a different body style?
- Which could be replaced if customized or upfitted?
- When do you need to bring in evaluation units?
Without EV charging

With EV charging
In your budget

- Assume that prices will increase, not come down
- Operating costs need to include peak power
- Do not build in rebates and incentives
- Use caution with LCFS credits
- Do the electrical work once
- Add funds for vehicle evaluation
Funds to consider

- Can you use CMAQ for fleet transition planning?
- Can facilities budgets pay for panel upgrades, PV, ESS?
- Can ESS and generators come from OES funding?
- Does your utility have utility-side-of-the-meter upgrade funding?
- Can you partner with a CCA or REN for planning?
- Keep an eye out for upcoming block grants....