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<th>20-IEPR-02</th>
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<td><strong>Project Title:</strong></td>
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<td><strong>Document Title:</strong></td>
<td>Scaling Infrastructure for the Growth of Zero Emission Fleets and Renewable Fuel Production</td>
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<tr>
<td><strong>Description:</strong></td>
<td>Presentation by Lauren Skiver, Sunline Transit Agency</td>
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<td><strong>Filer:</strong></td>
<td>Raquel Kravitz</td>
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Scaling Infrastructure for the Growth of Zero-Emission Fleets and Renewable Fuel Production

Today’s Transit for Tomorrow’s World

Lauren Skiver
CEO/General Manager
SunLine Transit Agency
Why SunLine is Centering its ZEB Fleet on Electric Fuel Cell

- **High daily ranges**
  - FCEBs excel on long routes and routes with frequent service

- **Fast refueling at depot**
  - FCEBs are compatible with fueling islands and restrictive schedules

- **Full route flexibility**
  - FCEBs are a 1:1 replacement for ICE buses and are not tied to on-route infrastructure

- **Challenging terrain**
  - FCEBs excel on hilly terrain and steep grades

- **Extreme climates**
  - FCEBs excel in all weather, from cold winters to hot summers

- **Vehicle Weight**
  - Significant reduction in vehicle weight

- **300 miles**

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**300 miles**

**Why SunLine is Centering its ZEB Fleet on Electric Fuel Cell**
2 FC in Production
5 awarded through VW Mitigation Settlement and vehicle replacement funds
5 awarded through EPA TAG
Hydrogen Fueling Station Overview

- 900 Kg per day production
- 60% renewable solar electricity
- 380 Kg use per day
- 2 dispenser fast fill rate
- $8.7 Million CARB Grant
- Public Fueling – 700 Bar expansion for future

Proton/Nel PEM Electrolyzer
SunLine is looking to expand its fueling systems with the creation of a micro-grid:

- **Phase 1 – Solar Farm**
- **Phase 2 – Solar to Hydrogen for Electricity Storage**
- **Phase 3 – 700 Bar Public Fueling Station**
- **Phase 4 – Hydrogen / Electricity Truck Plaza**
Thank You!

Lauren Skiver
CEO/General Manager
SunLine Transit Agency

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