



AB 118 2010-2011 Investment Plan

California Energy Commission Workshop

10/12/2009

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Who is Cascade Sierra Solutions?

- A non-profit organization working with public and private partners to:
 - Identify clean technologies in transportation applications
 - Promote fuel saving solutions
 - Improve air quality
 - Slow climate change

CSS Business Model

How Cascade Sierra Solutions works with Partners to

- ✓ Drive Down Fuel Consumption,
- ✓ Improve Air Quality in our Communities,
- ✓ and Increase Operator Profitability

GOVERNMENT AGENCIES

**EQUIPMENT MANUFACTURES
AND SUPPLIERS**



**TRUCKING COMPANIES AND
OWNER-OPERATORS**

PRIVATE FINANCIAL INSTITUTIONS

The Role of CSS

Technology

Grants

Discounts

Rules

Tax credits

Offsets

Innovative Financing

Rebates

Technical Assistance



Trucking Industry

Current Area of Operations



- Coburg, Feb, 2007
- Portland, Jun, 2008
- Sacramento, Sep, 2008
- Seattle, Oct, 2009
- Los Angeles, 2010
- Medford, OR, 2010

CSS to date has upgraded or replaced over 2,000 heavy duty diesel vehicles in 48 states

Need for Truck Stop Electrification

- Over 100,000 heavy-duty trucks on West Coast
- Goods movement projected to grow 70% by 2020¹
- Idle times approach 2,000 hours/truck/year
- Can be built at private fleet locations or commercial truck stops
- Increasing number of States have adopted NO-IDLE regulations

¹ Bureau of Transportation Statistics, Quoted by Sen. Olympia Snowe, R-ME, April 2008

Interstate Electrification Improvement Project

- **U.S. Dept of Energy – \$22 Million**
 - Truck Stop Electrification partnership with Shorepower Technologies
 - \$12 Million CSS Rebates for 5450 electric standby equipped upgrades
 - 50 Truck Stops nation-wide (10 proposed CA sites)
 - Ave 30 connects per site
 - Project launch around end of 2009



**Eliminates 36 million gallons fuel, 370,000 tons CO₂,
143 tons DPM, and 7,000 tons NO_x over next 10 years.**

TSE Promotion

Cascade Sierra Solutions - Mozilla Firefox

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Improving the economy, the environment, and our communities

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Cascade Sierra Solutions (CSS) is a non-profit organization dedicated to saving fuel and reducing emissions from heavy-duty diesel engines. CSS operates in the States of Washington, Oregon and California with a primary focus on the Interstate 5 corridor.

CSS is in the process of establishing outreach centers – strategically located with major truck stops. While the primary target of CSS outreach is the long-haul operator, the centers provide education and incentives for local fleets as well.

CSS Outreach Centers
The CSS outreach centers promote [EPA's SmartWay Technology](#) upgrade kits, and help to break down three barriers for the trucking industry.

- [The Technology Awareness Barrier](#) [Read more...](#)
- [The Regulatory Information Barrier](#) [Read more...](#)
- [The Capital Cost Barrier](#) [Read more...](#)

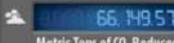
CSS News & Announcements

- ▶ [Oct 17 - SAVE THE DATE! Seattle Outreach Center Grand Opening](#)
- ▶ [Truck Stop Electrification Locator](#) National Renewable Energy Laboratory (NREL) Mobile Truck Stop Electrification Locator
- ▶ [CH Robinson Partnership Press Release April 28 2009](#) (PDF, 44KB) Announces charitable giving match partnership with CH Robinson

Truck Stop Electrification Locator Link

Results To-date

 6,559,854.68
Gallons of Fuel Saved

 66,149.57
Metric Tons of CO₂ Reduced

[Overall Progress Report](#)

CSS Fleet Member Login

Username:

Password:

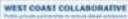
Remember me

[I forgot my password.](#)

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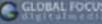
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