

Multi-Fuel & Tech Future = Choice and Optimization



*Advanced Transportation
Technologies*

*Clean Transportation
SolutionsSM*



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John Boesel
President and CEO
Beyond Oil
August 2012

CALSTART Members. Making clean transportation happen. Join today.

PARTIAL LISTING



CALSTART Officially Going National



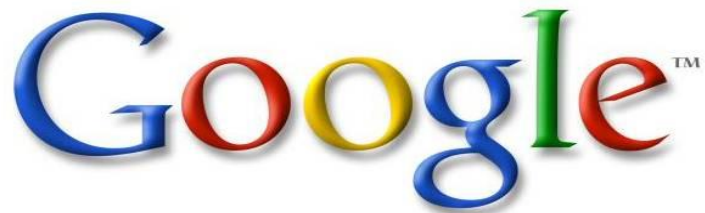
- Colorado office since 1997
- Managed national advanced truck and bus programs for decade
- Opening offices in New York and Michigan in 2012
- Partnering with other organizations – new programs outside of CA

Workplace Charging – Employers Can Be Leaders!



Pictures from first workplace charging workshop – July 2012 (left to right)
– Some of Google's 300 parking spaces with solar canopies and EV
chargers; DOE Assistant Secretary Danielson and Under Secretary
Sandalow

Need to Move Beyond Early Adopters



Google™



QUALCOMM®



WELLS
FARGO



Join the EV Employer Initiative

- Commit to: a) supporting use of EV's by employees; b) installing chargers; and c) sharing non-proprietary information and helping other employers learn
- For more information contact: Whitney Pitkanen
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 - www.evemployer.org

HTUF Program – Successful Co-Opetition Model



From Zero to 35...# of Production Hybrid & Electric Trucks When HTUF Started to 2008 – Picture Above from HTUF National Conference and Ride and Drive – South Bend, IN

Armored Hybrid Truck



Armored Truck Built in America by Freightliner on Display at 2011 HTUF Conference in Baltimore

WorkPlace Hybrid – Remote Silent Operations



Diesel Drivetrain – Batteries Provide Power at Worksite –
Alternator Recharges Batteries – Made in America by Altec

U.S. E-Truck Sales Follow Incentives – NY, MD, CA, WI, and OR



**Governor Brown at event announcing nation's
largest electric truck fleet – July 2012**

I-5 – Nation's First Multi-Fuel Corridor

- **Diversity of vehicles & uses requires diverse solutions**
- **50% reduction in oil by 2025 possible**
- **Need to launch coordinated action today**

CALSTART NorCal Office Neighbor





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