

Pacific Gas and Electric Company

Alternative Fuels and the Port of Oakland

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PG&E

Faster Freight Cleaner Air

Long Beach, CA

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Pacific Gas and Electric Company

- Serve 15 million people in Northern and Central California
- 2007: Largest Alternative Fueled Utility Fleet in Nation
- Socially Responsible Company
- Embracing CA Climate Change Goals
- NGV Fleet Customer Programs



Getting Started

- PG&E Commitments
 - Get involved
 - Explore the possibilities
 - Use Experience and know-how
 - Understand what happens at the port & why
 - Identify potential projects
 - Develop partnerships



West Oakland Toxic Reduction Collaborative

- EPA – WOTRC
 - Community Members
 - Public Agencies
 - Regulators
 - Political Offices
 - Labor
 - Industry Reps
 - Port of Oakland
- Effective



Springing Into Action

- Mike Bowden
 - Quality Terminal Services
 - OmniTrax / Broe Co.
 - Burlington Northern Santa Fe
- Central Figure
- House Truckers
- Terminal Operators



Milestones & Partnerships

- Used LNG Trucks
 - Raley's
 - Von's
- CleanAir Transport
 - Roger Lowther
 - Damon Leck
- LNG Fueling
 - WM
 - PG&E "ORCA"





Not Just LNG

- Compressed Natural Gas - CNG
- Truck Shuttle (Dock to Rail)
- CNG Station (Clean Energy)
- PG&E Demo Truck – Matt Credon



Status

- Current
 - 9 LNG Trucks
 - 1 CNG Truck
 - Temp LNG Station
- Planned
 - 2 LNG Stations
 - CNG Station
 - 9 LNG ISX Trucks
 - CNG Shuttle Trucks w/Cummins ISLG
 - Trucks Cascade Project



Other Possibilities

- LNG
 - Yard Hostlers
 - Switch Locomotives
 - Cold Ironing, Witmar
 - Barging
- CNG
 - Port Service Trucks



Summary

- PG&E is committed to protecting public health and the environment
- Alternative fuels, LNG and CNG, offer multiple and significant benefits
- With our partners we've made some good progress
- There is much more that can be done
- These efforts support CA goals to reduce
 - Criteria pollutants
 - Petroleum consumption
 - GHG emissions



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Thanks!

