



Training Proposal for:
Los Angeles Community College District
Alternative and Renewable Fuel and Vehicle
Technology Program (AB 118)

Agreement Number: ET12-0801

Panel Meeting of: March 23, 2012

ETP Regional Office: **North Hollywood** Analyst: N. Weingart

PROJECT PROFILE

Contract Type: Priority/Retrainee Industry Sector(s): Transportation/Logistics

Counties Served: Los Angeles and Orange

Union(s): Yes No

FUNDING DETAIL

All Funding will be under the Alternative and Renewable Fuel and Vehicle Technology Program created under AB 118.

Program Costs	Support Costs	Total ETP Funding	In-Kind Contribution
\$354,780	\$24,528	\$379,308	\$428,692

Available Training Options



LACCD

Office of Economic & Workforce Development

General Hybrid, Electric, Fuel Cell and Hydrogen Vehicles:

- Intro to Alternative Fuels & Hybrid Vehicles
- Electric Vehicle maintenance and repair
- Battery technology and Power-Source storage methods
- Equipment repair and modification
- Understanding regulatory mandates and trends
- Alternative Fuel & renewable power-source distribution
- High-Performance/Low-Emission vehicle technologies
- Transit vehicle conversion & retrofitting methods: service & maintenance
- Digital Volt Ohm Meter (DVOM)
- Heavy Duty Electronic Engine Controls
- Hybrid Vehicle Safety Training for First Responders
- Hybrid Electrical Safety - All Vehicle Models
- Advanced Engine Control Systems & Diagnostics
- Electrical: Voltmeter, Schematics, Electricity Principles
- Computer Transportation Technologies: Internal Car Diagnostics
- Electronic Control Systems & Troubleshooting
- Fuel Cell Systems & Troubleshooting
- First Responder: All Alternative Fueled Vehicles

CNG Vehicles & Technologies:

- CNG Operation & Basic Maintenance
- Natural Gas Vehicle Technology
- Intro to CNG Vehicle Safety
- CNG Familiarization, Handling and Safety
- CNG Safety Training For First Responders
- Properties & Characteristics of Natural Gas
- CNG Fueling Equipment & Safety Practices
- Emergency Action Plan
- CNG Conversions & Tank Safety
- Correct Use of Safety Equipment
- CNG Gas Detection Systems

Biofuel Technologies:

- Biofuel Systems & Troubleshooting
- Advanced Biofuel Handling & Transport
- Biofuels - Preprocessing Used Cooking Oil, Feedstock
- Titration/Sampling, Biodiesel Washing Processes
- Storage Tanks & Dispensing Equipment
- Blending, Storage, & Transport
- Hazardous Materials Transportation & Handling



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