



Southern California Regional Transit Training Consortium

# The Communicator

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**Special Points of Interests**

- RFQ's have been issued to the SCR TTC Community College Partners to obtain quotes for delivery of training courses in 2009. Upon receipt of proposals and review, the SCR TTC training program for 2009 will be finalized. Responses are currently being received and evaluated.
- The Economic and Workforce Development Committee of the SCR TTC, led by Peter Davis, is currently working on developing a comprehensive Strategic Plan for funding and outreach to support the ongoing efforts of the SCR TTC. This is an ongoing effort and results of the committee actions will be reported in future publications.

**Key Developments**

- Cypress College has recently completed the development of the 8.3L Cummins Computerized Engine Management Course. Upon course review, the Train-the-Trainers sessions will be conducted. Look for this new course to be offered in 2009.

**Training Today for a Better Tomorrow**

## Alternative Fueling for Norwalk Transit System

**N**orwalk Transit System (NTS) will be replacing six (6) of its fixed route buses with new Low-floor Gasoline Hybrid/Electric buses. The buses are scheduled for delivery in the fall of 2009. Gasoline Hybrid/Electric buses use a smaller engine that is not directly coupled to the vehicle



drive train. Instead, the engine is connected to an electric generator that provides power to the wheels. The system works well for stop and go-service, as the electricity driven propulsion system has high torque at low speeds regardless of the grade. Support equipment such as the HVAC system is electrically powered saving fuel and reducing emissions thus resulting in reduced operating costs for transit agencies. Recognizing this change is coming to the transit industry, the SCR TTC has dedicated itself to developing and delivering training courses to help transit agencies migrate to these new types of vehicles and the associated

hybrid propulsion systems and sub-systems associated with new Hybrid Buses.

One of the courses delivered by the SCR TTC to support the transit properties implementing Hybrid Vehicles is the **Hybrid Bus Safety** course # SC-HY-4000-1. Typical subjects covered in this course include; Systems Schematics and Computer Controls; Hybrid Theory and Energy Flow; Hybrid Components and Preventative Maintenance. In addition, another course being delivered by LAMTA and their Contractor ISE is a **Hybrid Bus Electrical Safety Orientation Course**. This course is a comprehensive course covering the subjects of Safety Practices for Hybrid



Electric Vehicles; use of Safety Equipment and Personal Protection; and the proper use of Test Equipment. Both of these courses are state of the art courses developed by ISE and will become part of the regular course offerings of the SCR TTC, especially with the continued implementation of Hybrid Vehicles in California.

**Our Report Card FYTD 2008**

**Program Highlights to Date**

Hours of Training: **12,692**  
# of Students Trained: **1025**

**Fiscal Year 2008/2009**  
July 1st to June 30th

Hours of Training  
**Goal: 1000 Actual: 2836**  
# of Students Trained  
**Goal: 60 Actual: 227**  
Courses Developed  
**Goal: 1.5 Actual: 2.0**

Student Evaluations  
**Goal: 3.00**  
**Actual: 3.80**  
(Four Point Scale)

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## 2008: A Very Successful Year for the SCR TTC

**T**he past year was a very successful year for the SCR TTC. As we move into 2009, and establish our education and training program for the new year, it's worth a few minutes to reflect on how much was accomplished in 2008. One of the most successful courses established in 2008 was the HVAC Course series. Through our partnership with Santa Ana College, Rio

Hondo College and ThermoKing, we were able to develop and offer a series of courses which cover all aspects of HVAC maintenance. The benefit of these courses is for maintenance technicians to understand the air conditioning system components and functions, and to aid in troubleshooting system failures and faults. In addition, the course series prepares technicians to meet the EPA 608 and 609



ASE certification requirements. The first HVAC II BETA class included the following students: T. Craig Luke, Rio Hondo College, John Mayo and Gus Castellanos Long Beach Transit, and James Paredo, College of the Desert.



