



## ADVANCED TRANSPORTATION AND RENEWABLES SECTOR DEPUTY SECTOR NAVIGATOR

### Overview

Historically this program has been Advanced Transportation Technology and Energy. With an increasing regional emphasis, leaders of these programs are now identified as Deputy Sector Navigators to correspond more closely with the statewide and regional nature of the program. Given its previous work both transportation and renewable energy technologies are within this sector. While seeming to be disparate sectors, the increasing use of both natural gas and electricity as vehicle fuels creates a significant nexus. Both home and regional fueling technology readily integrate into natural gas and electricity distribution systems and even home and commercial energy use decision making.

In brief Deputy Sector Navigators (DSN) are to coordinate and collaborate regionally, and to develop effective sector partnerships with employers, regional consortium, community colleges, high schools, ROPs, Workforce Investment Boards (WIBS), and other regional organizations to ensure a skilled workforce in support of the regional economy and industry sector and to establish career pathways for the regional community into those regional economies.

This opens a wide range of activities and programs to implement within the region. Examples to date include:

- ✓ A Memorandum of Understanding (MOU) with Cuyamaca College to support their Automotive Skills Days, regional outreach for area high school automotive technology students, and professional development for automotive technology faculty.
- ✓ A MOU with Hoover High School SABE Academy that provides students the opportunity to take a variety of CTE courses consisting of the following: Introduction to Green Technology, Introduction to Engineering and Design, Principles of Engineering, Digital Electronics, and Civil Engineering and Architecture. (This school articulates with San Diego City, Mesa, Palomar and Miramar colleges. A similar MOU is being developed in coordination with Palomar for Oceanside High School.)
- ✓ Based on previously initiated work with the California Energy Commission, the ATRE DSN has just obtained \$100,000 in funding for Imperial Valley and \$100,000 for Miramar from the California Energy Commission to support the advancement of their heavy duty transportation programs. A principal focus is on natural gas technology. Faculty professional development training has been provided, with additional being planned.
- ✓ Concerning renewable energy, the DSN is working with the San Diego Workforce Partnership, the regional Center of Excellence, and a consultant to identify key renewable energy employment needs and skill gaps that need to be addressed via the colleges in the region. (The report will also note the interrelated nature of renewable energy and energy efficiency work.) This report will be released in late July.
- ✓ In workforce training the DSN is working with the San Diego Regional Clean Cities Coalition to deliver an alternative fuels training program for First Responders in August.

See an opportunity for working together – contact Greg Newhouse, ATRE DSN, at [gnewhous@sdccd.edu](mailto:gnewhous@sdccd.edu).