



# ***West Coast Center of Excellence***

*IN ZERO EMISSION TECHNOLOGY  
& RENEWABLE ENERGY*



**PREPARING TECHNICIANS & MANAGEMENT FOR SUCCESSFUL  
ZERO EMISSION DEPLOYMENT**

# ABOUT THE CENTER OF EXCELLENCE



## HISTORY

SunLine Transit Agency's West Coast Center of Excellence in Zero Emission Technology and Renewable Energy (WCCOE) is a workforce development program focused on deploying and operating zero emission buses in public fleets. Since there are limited resources and training material available on zero emission bus (ZEB) technology, the WCCOE has worked with its partners to develop comprehensive tools and resources that address all aspects of in-service management for ZEBs.

## OUR MISSION

The Center of Excellence serves to bring education to transit agencies looking to establish or increase their zero-emission fleets and technologies.

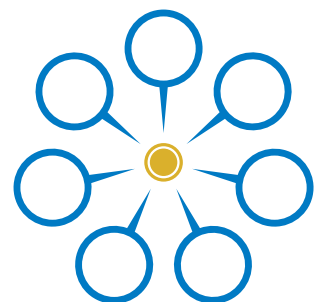
## THE MOTIVATION

SunLine is proud to be a leader in the alternative fuels industry for decades. Over this period of time, the Agency recognized that there are unexpected challenges that come with utilizing new technology. As California starts to plan for the Innovative Clean Transit Rule set by the California Air Resources Board and the nation, as a whole, to improve air quality, SunLine set forth a vision and path to help others find success with their ZEB deployment.



## FUNDING

Grant funding from the Federal Transit Administration has been awarded to build a state-of-the-art maintenance facility. SunLine is continuously seeking additional partners to help with the Center's effectiveness and reach.



*The Center of Excellence strives to provide training, best practice information and access to technology and software geared towards the planning, procurement and deployment of zero emission buses.*



# COURSE OFFERINGS

Curriculum for the Center of Excellence has been developed through a series of roundtables and workshops hosted with transit agencies and Original Equipment Manufacturers (OEMs). These key stakeholders have identified the most beneficial topics to include as initial course offerings.



## 1 ZERO EMISSION BUS OVERVIEW



## 2 LEADERSHIP & EMPLOYEE ENGAGEMENT



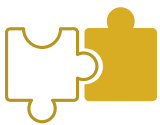
## 3 ACQUISITION STRATEGIES & REGULATION



## 4 FINANCIAL & PROJECT MANAGEMENT



## 5 PROJECT MANAGEMENT TOOLKIT



## 6 ZERO EMISSION DEPLOYMENT & PLANNING



## 7 ZERO EMISSION BUS OPERATIONS



## 8 ZERO EMISSION BUS MAINTENANCE & SAFETY

## BETA TRAINING

SunLine Transit Agency completed a successful beta version of the training program with Santa Cruz Metro. The 3-day training was brought to their transit facility and included hands-on demonstrations of hydrogen electric fuel cell buses that are part of SunLine's fleet.



## INDUSTRY CERTIFICATION

Working closely with OEMs, SunLine has created an Advisory Board that will oversee content and curriculum so that participants who attend courses at the Center of Excellence can receive industry certified training.





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**Are you ready for the future of ZEBs?** Stay informed on the progress of the maintenance facility, learn about future course offerings and let the Center of Excellence team know about any ideas you may have for partnering.

FOR MORE INFORMATION AND TO STAY CONNECTED VISIT:

**[WWW.SUNLINE.ORG/WESTCOASTCOE](http://WWW.SUNLINE.ORG/WESTCOASTCOE)**