

# 2017 Sustainability Report *Highlights*

"High-speed rail is essential to our state's success in reducing air pollution, cutting greenhouse gas emissions and addressing the devastating effects of climate change. It will help spur continued economic prosperity while also advancing important sustainability objectives and ensuring greater economic opportunity for all Californians."

Brian P. Kelly  
Chief Executive Officer

## Minimizing Construction GHG Emissions

### REDUCING AIR POLLUTION

**Tier 4 Equipment:**  
Reduces Nitrogen Oxide,  
Carbon Monoxide and  
Particulate Matter  
**Avoids Black Carbon**



**On- and Off-Road Vehicles:**  
Emissions Produced



**Actions That Offset  
Air Quality Emissions**

Recycled 99 percent of all construction materials, including 100 percent of all concrete and steel, keeping 118,000 tons of waste material out of landfills.



115 of the 427 small businesses under contract are located in disadvantaged communities

As of June 2018, high-speed rail has preserved more than 2,500 acres of natural habitat.

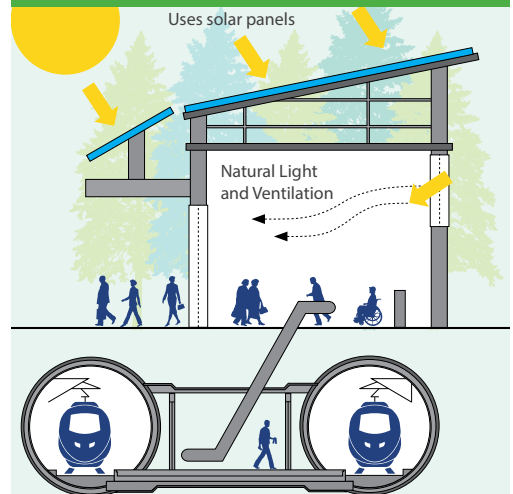


## Tree Planting Offsets Construction Emissions

The Urban Forestry program provides benefits to communities near the rail system, particularly disadvantaged communities. The first phase of urban tree planting kicked off at West Fresno Middle School this year, where nearly 200 trees were planted.



High-speed rail stations and service facilities will be designed to be net-zero energy, meaning they will produce at least as much energy on-site as they consume over the course of a year.



## 2017 Materials Management (in tons)

- 64,489 Concrete Recycling
- 38,802 Asphalt Recycling
- 11,063 Mixed Recycling
- 3,311 Metals Recycling
- 2,306 Organics
- 361 Recycled Wood
- 326 Materials Landfilled

