

# BART Green Factsheet

## BART's Clean Power Mix

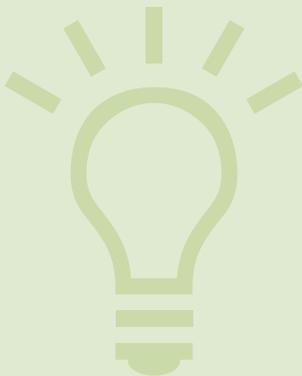
BART trains are 100% electric. 67% of power comes from clean hydro and renewable sources.

## BART Riders Get the Equivalent of 249 Miles Per Gallon

A typical car gets about 21 miles per gallon (mpg). During peak hours BART is 12 times more efficient on passenger miles per gallon basis than a standard occupant vehicle. A BART rider gets the equivalent of 249 miles per gallon. Not even the most fuel efficient hybrid can match that! BART is 5 to 6 times more efficient during the high occupancy peak hour than a Toyota Prius.

## Ride BART to Work or Replace 65 Light Bulbs?

Using BART to commute for a year saves more energy than replacing 65 incandescent bulbs with lower wattage compact fluorescent lamps. Besides, who has that many light bulbs to replace?



## A Journey Together

With rising carbon dioxide emissions worldwide we should all do our part to help the environment. The task of helping maintain a sustainable environment may seem challenging, but together we can help decrease our carbon footprint in an affordable and easy way by riding BART.

## BART Riders Significantly Reduce Gas Consumption and Pollution

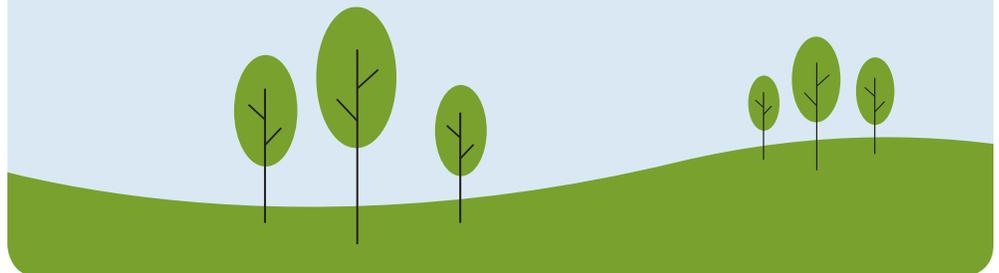
A typical BART trip is 14 miles. Just one commuter using BART each weekday saves over 300 gallons of gas and 5,987 pounds of CO<sub>2</sub> in a year.

### GALLONS OF GAS SAVED

One rider (round-trip) each day	1.3 gallons
One rider weekdays (round-trip) for a year	306 gallons
All riders, one weekday	243,504 gallons

### POUNDS OF CO<sub>2</sub> NOT EMITTED

One rider (round-trip) each day	23.0 lbs of CO <sub>2</sub>
One rider weekdays (round-trip) for a year	5,987 lbs of CO <sub>2</sub>
All riders, one weekday	4,220,464 lbs of CO <sub>2</sub>



## BART Trains—Conserving Energy Mile After Mile

**LIGHTEST RAIL CARS IN THE WORLD:** BART trains are the lightest mass transit rails cars in the world in relation to their length. The design of the cars reduces energy consumption!

**ENERGY REGENERATION:** BART trains convert their kinetic energy of motion into electrical energy as the trains slow down. The energy regenerated during the process is returned to the power distribution system where it is then used by other trains.

## Quick Facts

Average  
Weekday Trips . . . . . 366,600

Average  
Trip Length . . . . . 14 miles

Drivers reduce trip emissions by 88% by switching to BART. A passenger mile on BART emits 0.11 pounds of CO<sub>2</sub> compared with nine times that amount for a mile in a standard car.

## Recent Green Initiatives

- 5,176 lockers, racks and bike stations
- Hybrid vehicles for parking enforcement and maintenance (50% more fuel efficient)
- T-12 to T-8 fluorescent lighting conversion in stations (20% reduction in energy use)
- Recycling at train washing facilities saves 876,000 gallons of water per year
- Cool roof materials on 74,500 sq. ft.
- Use of low VOC paint



 Printed on recycled paper

©BART 2013 02/13

## BART Goes the Distance

On average, BART riders ride BART for longer trip durations than other transit trips. BART accounts for 48% of all transit passenger miles traveled in the Bay Area—over 1.3 billion miles per year! That equals more than 52,000 trips around Earth at the Equator.

The remaining 52% of transit passenger miles are divided between the region's other 25+ agencies.

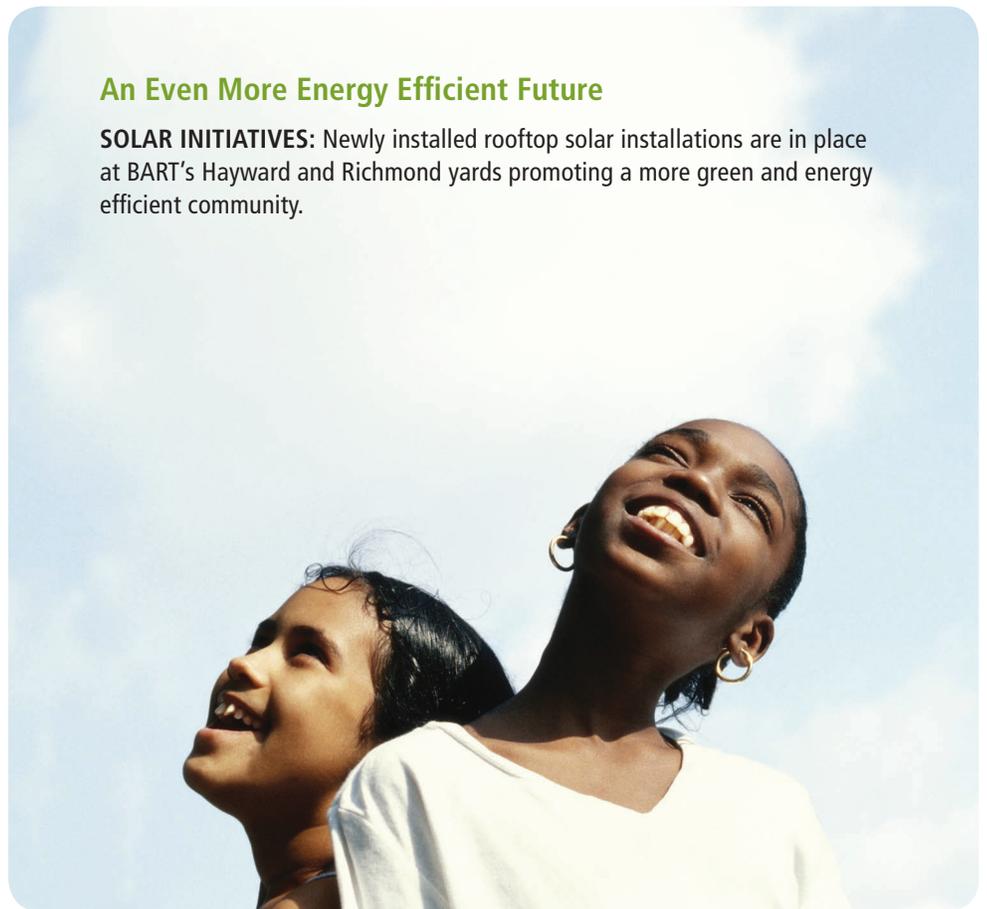
## Building Sustainable Stations and Facilities

BART uses Environmental Design standards for water conservation, energy efficiency, sustainable construction materials and indoor environmental quality. In 2002, BART's Board adopted a sustainability policy promoting the use of resource efficient and environmentally friendly access modes; such as bikes, walking and buses.

**TRANSIT ORIENTED DEVELOPMENT (TOD):** BART and its development partners are engaged in Transit Oriented Development activity at 26 station in an effort to bring BART stations closer to housing. Households less than half a mile from rail stations produce half the vehicle miles of travel compared to households farther from transit.

## An Even More Energy Efficient Future

**SOLAR INITIATIVES:** Newly installed rooftop solar installations are in place at BART's Hayward and Richmond yards promoting a more green and energy efficient community.



## For More Information

Bay Area Rapid Transit District  
P.O. Box 12688, Oakland, CA 94606-2688  
[www.bart.gov](http://www.bart.gov)  
[www.twitter.com/sfbart](http://www.twitter.com/sfbart)

San Francisco Bay Area Rapid Transit District

