



Caltrain Sustainability Program

Board of Directors
March 5, 2015
Agenda Item 10



What is Sustainability?

“...development that meets the needs of the present without compromising the ability of future generations to meet their own needs”

*1987 UN World Commission
on Environment and Development
(the Brundtland Commission)*



APTA's Definition of Sustainability

- Employing “green” practices in **operations and maintenance**
- Employing practices in **design and capital construction** to make facilities as “green” as possible
- Employing **community-based strategies** to encourage **transit-oriented development**

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Sustainable Caltrain



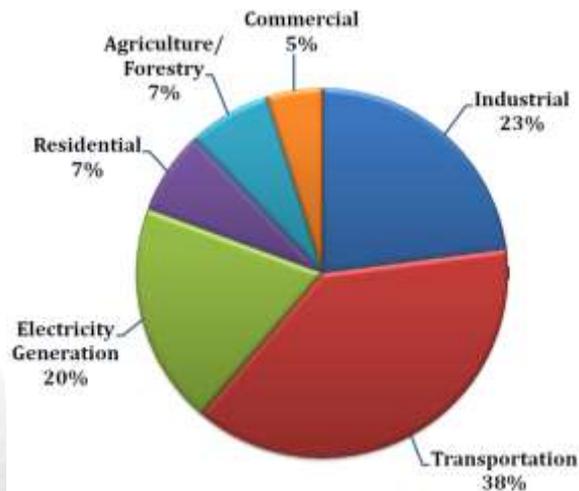
Caltrain
Modernization
Program



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California GHG Emissions 2011



California Air Resources Board, 2013

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Why is Sustainability Important?

- Helps achieve state and regional greenhouse gas reduction goals (AB32, SB375)
- Improves Bay Area's air quality
- Reduces operational expense by reusing and conserving resources
- Increases understanding of risks to assets due to sea level rise and other climate change impacts
- Engages employees creatively in a worthwhile effort
- Expands leadership profile
- Attracts and retains talent

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Sustainability in Action

- **Central Equipment Maintenance and Operations Facility**
 - Train wash system recycles 80% of water
 - Material recycling
 - On-site wheel-truing and fueling
- **Wayside power**
 - Minimizes diesel consumption and idling emissions
 - At San Francisco, CEMOF, San Jose Diridon, Gilroy

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Sustainability in Action continued

- **Station landscaping water conservation**
 - "Smart" irrigation controllers (adjust to local temperature and precipitation)
 - Mulch in plant beds reduces evaporation
 - Drought-tolerant replacement vegetation
- **Green janitorial cleaning products**
- **Environmentally Preferable Purchasing Policy**

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Recent Activities

- Hired sustainability planner
- Conducted sustainability assessment of Caltrain properties, operations, maintenance and planning
- Collaborating with CalMod staff on sustainability strategies

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Recent Activities continued

San Francisco station

Original



Updated



Worked with Recology to reduce station's landfill waste by 14%



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Recent Activities continued

All other stations



CONTENTS RECYCLED OFFSITE



Recent Activities continued

Improving public awareness of Caltrain recycling practices

Recycling

Caltrain has developed recycling program materials to help the customer to actively help the environment.

At the San Francisco station, please helpfully separate and recycle in the appropriate bin. Bin are placed throughout the station and on every train.

At all other Caltrain stations, Caltrain has developed a personalized letter to provide service and waste management details to our riders. This allows customers to find their recycling, food and trash in the same bin. The letter is also available for Republic Services on Caltrain Station Recycling Project. Recycling and food and all the customer should have better options for correct waste disposal for all persons.

PENINSULA MOVES!

COMPOST

Heartland to see these freshly in place at Caltrain on my final ride home

Created by Public Affairs

CALTRAIN EMBRACES SUSTAINABILITY WITH IMPROVED WASTE MANAGEMENT PRACTICES



Recent Activities continued

Administrative office

- Water conserving faucet aerators
 - Reduced water use by 25-40% per faucet
- Waste management upgrade project
 - Developed by interdepartmental Resource Recovery Task Force
 - Introduced composting service, streamlined bins & signage
 - Reduced landfill waste by more than 30%



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Next Steps: APTA and Reporting

San Mateo County
TRANSIT DISTRICT

2010: Signatory to the APTA
Sustainability Commitment



- 2015/16: Baseline Sustainability Inventory
- Future: Pursue APTA Recognition
- Future: Update Sustainability Inventory, show electrification benefits

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Next Steps

	Winter 2015	Spring 2015	Summer 2015
Program Planning	Incorporate sustainability elements in capital budget development process	Work with Engineering & Construction to strengthen sustainability elements in Caltrain Design Criteria Convene Sustainability Committee to begin developing long-range Sustainability Plan	
Reporting	Expand internal sustainability communications & web presence	Expand external sustainability communications & web presence	
	Work with PG&E to gain electronic access to energy usage data		Begin developing Caltrain baseline GHG / sustainability inventory
Projects	Monitor & evaluate performance of waste management upgrade projects (Caltrain stations, Central)		
	Identify next priority projects / feasibility studies, develop funding strategy		Begin implementing projects
Partnerships	Continue educating employees on waste management best practices	Earth Day events	Bike to Work Day and Dump the Pump Day events
	Continue serving on APTA Sustainability Committees and regional collaborations		

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Comments / Questions?

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