



San Diego Regional Clean Cities Coalition

April 8, 2014



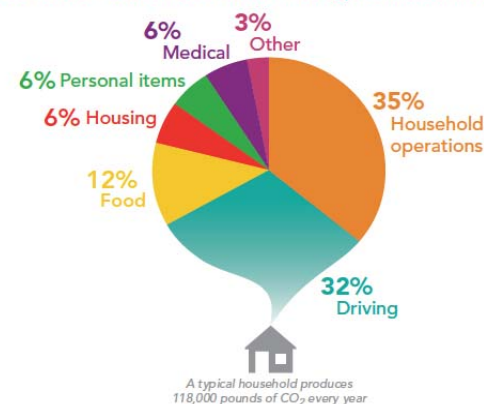
Clean Air and Public Transportation

A single car produces about
12,000 pounds
of carbon emissions in one year—
that's the weight
of an adult
elephant!



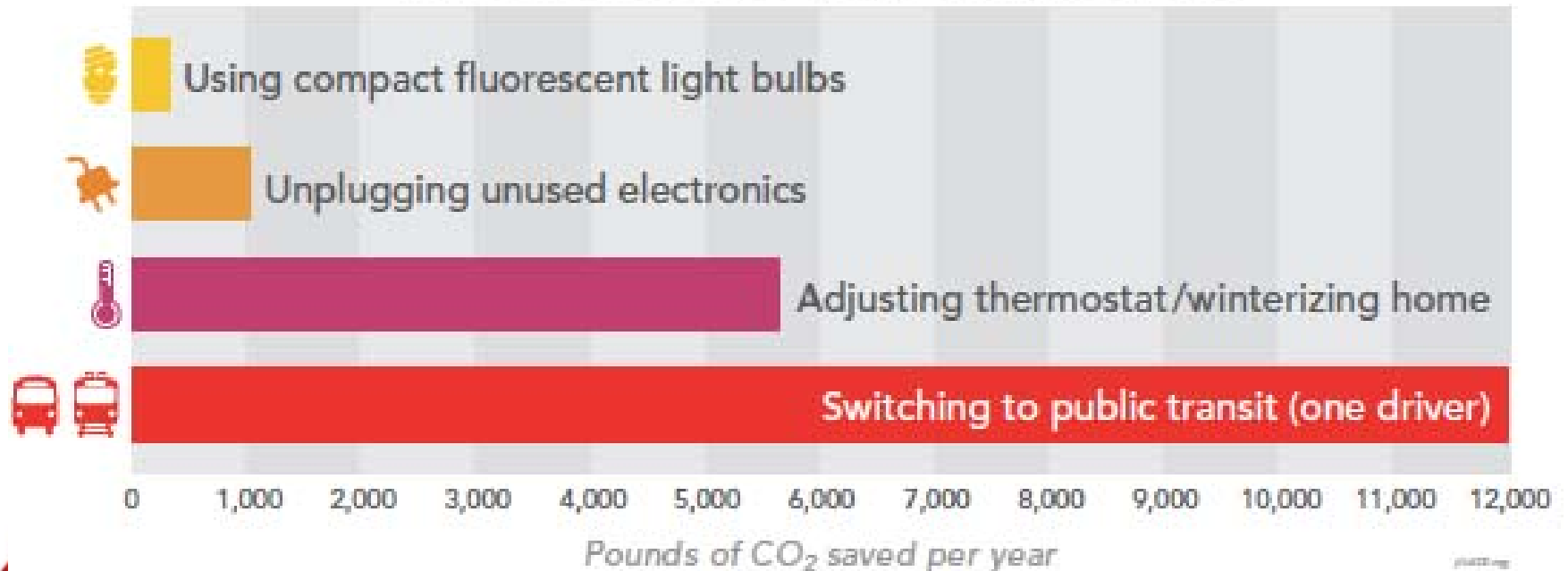
Last year, MTS took riders
372,841,661 miles,
potentially reducing carbon
emissions in San Diego by over
300 million pounds!

Sources of carbon emissions in a typical household:



Clean Air and Public Transportation

WAYS TO REDUCE CARBON EMISSIONS



CAR

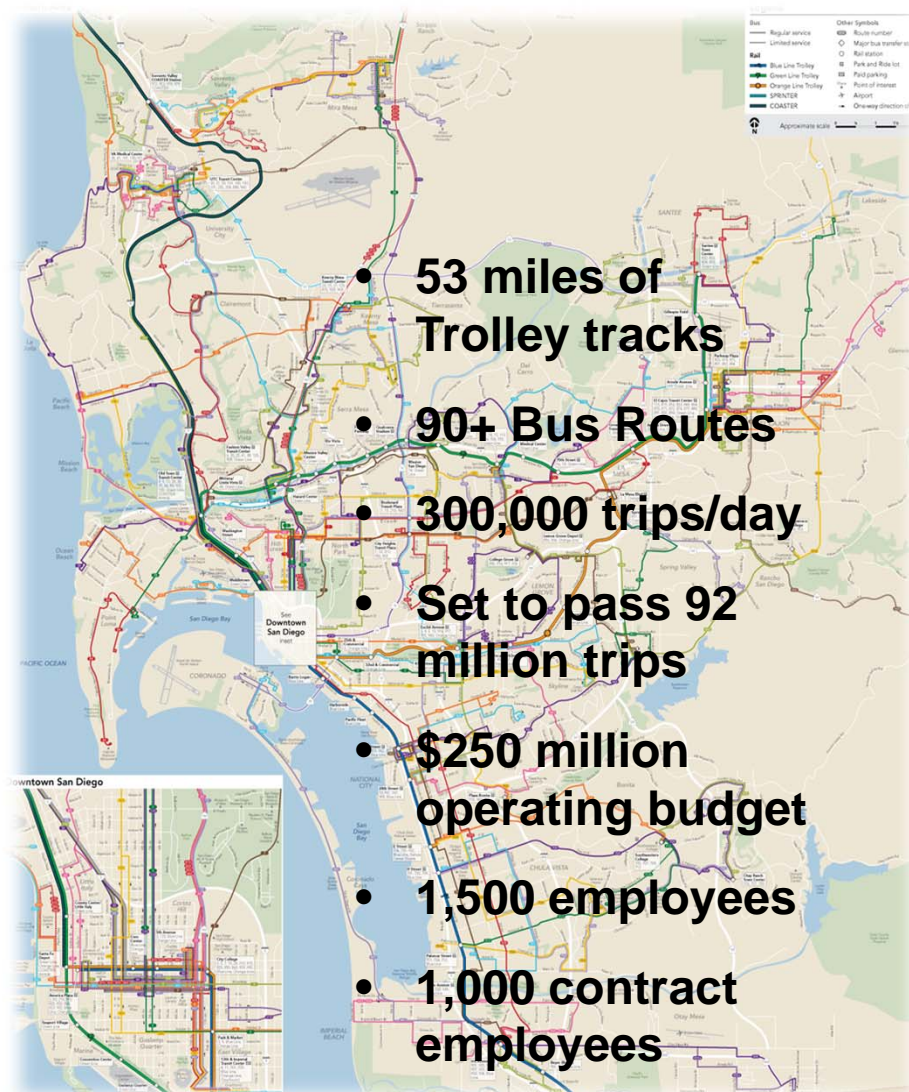


BUS



Amount of space required to transport 60 people







MTS Trolley Map



MTS



New Flyer Artic

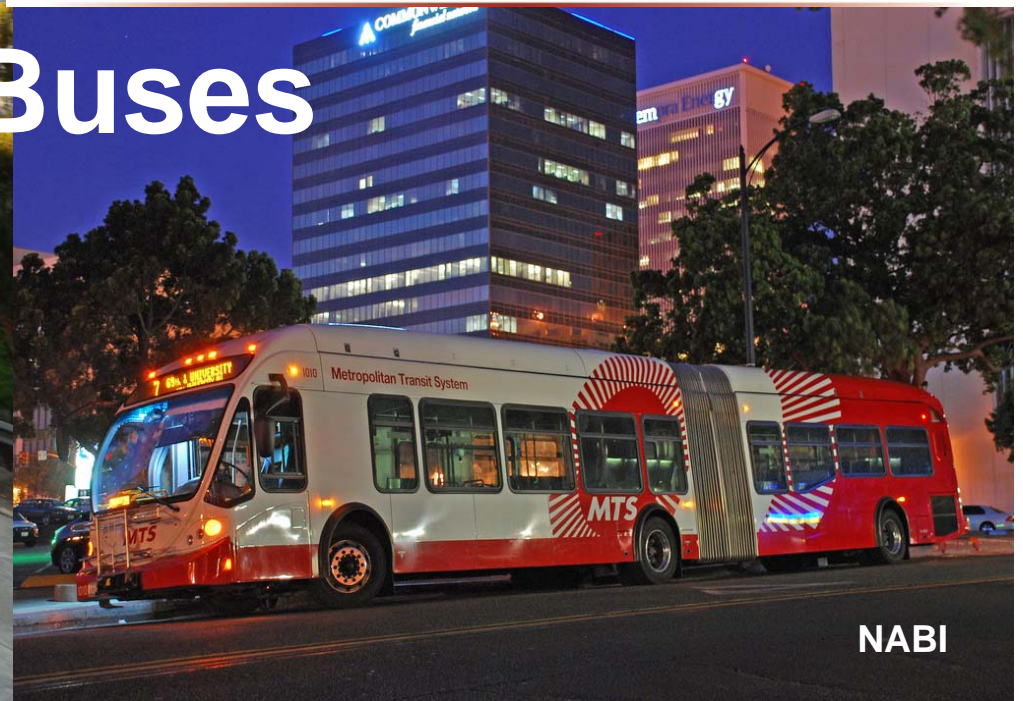


Rear | STD Cap

San Diego MTS | GILLIG 40' Low Floor CNG STD Alternative 1



New Flyer 40-foot

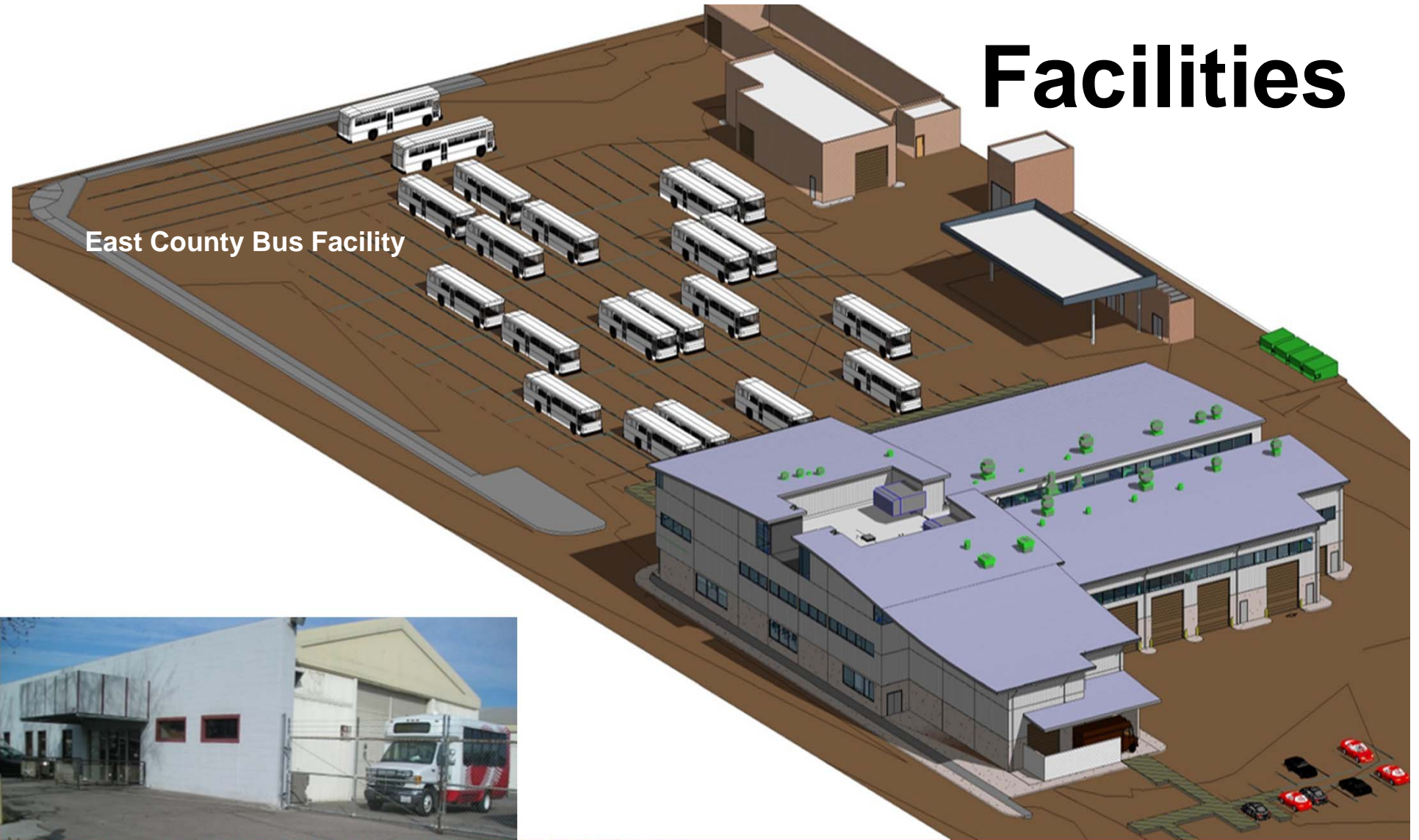


NABI



Facilities

East County Bus Facility



Advantages of CNG

Cost:

- Cost per mile CNG = \$0.38 per mile
- Cost per mile Diesel = \$1.23 per mile

Efficiency:

- 2.7 miles per gallon equivalent for CNG
- 2.5 miles per gallon for Diesel

Environment:

- 80% less NOx, 99% less PM, and 100% less HC

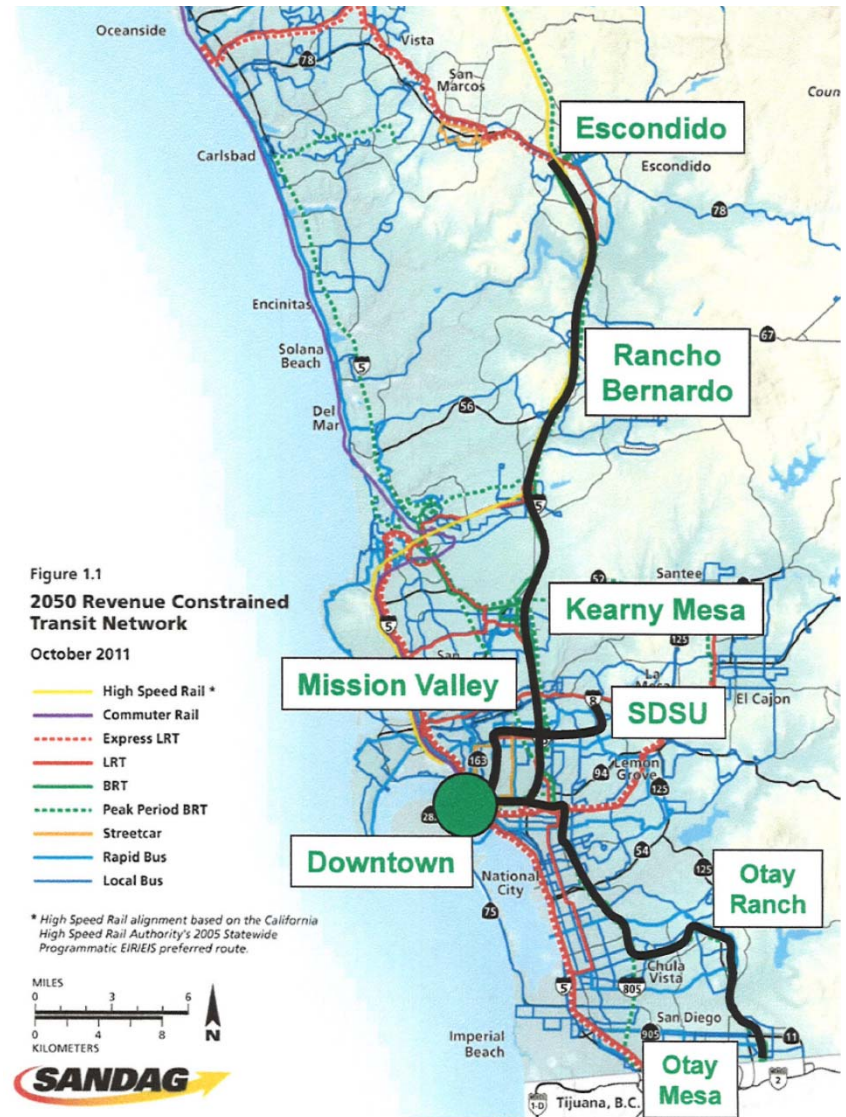


MTS and CNG

- Committed to CNG Track
- 629 Buses in Fixed-Route Fleet
- 500 are powered by CNG, or 80%
- \$343 million in new bus orders
 - 350 40-foot CNG Gilligs
 - 165 65-foot CNG New Flyer Articulated
- Will continue to retire Diesel buses



BRT Routes





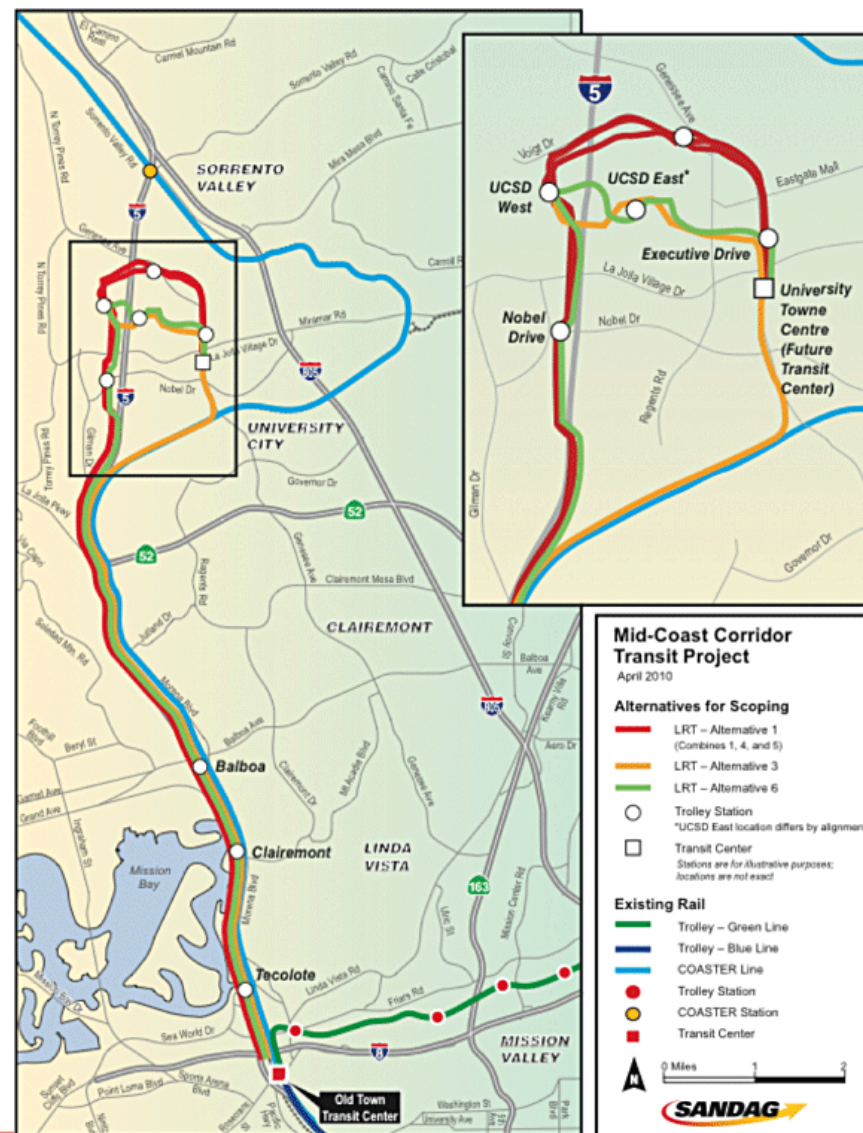
State of Good Repair



Proposed 2016 Trolley Network













The Mid-Coast Trolley extension will generate more than 20,000 new daily boardings. It will connect the dynamic Golden Triangle area with the rest of the San Diego region via direct access to all MTS Trolleys and most of its highly-used bus routes.



Hybrid Scenario Transit Network

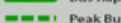


Legend

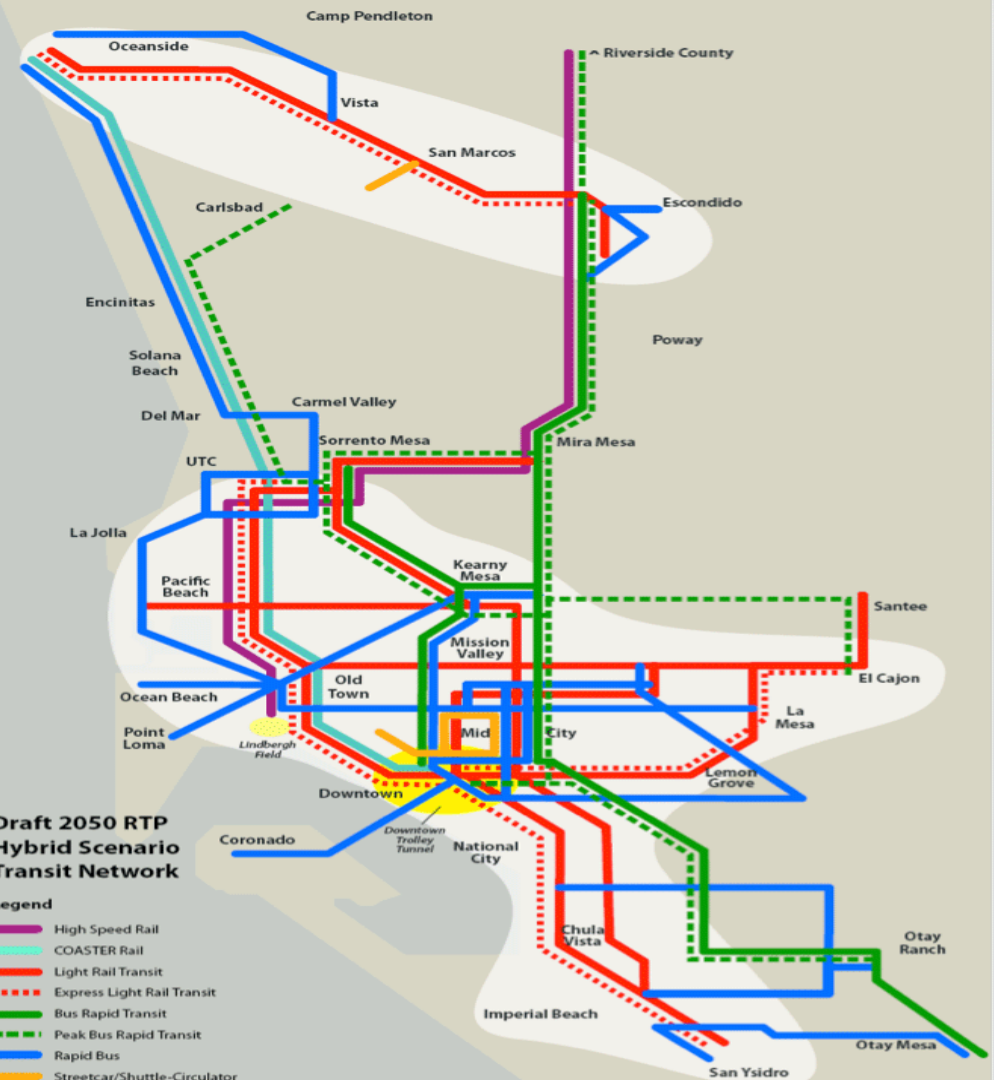
-  High Speed and Commuter Rail
-  COASTER Rail
-  Light Rail Transit
-  Express Light Rail Transit
-  Bus Rapid Transit
-  Peak Bus Rapid Transit
-  Rapid Bus
-  Streetcar/Shuttle-Circulator
-  High Frequency Local Bus Services
-  Major Capital Investments Projects

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Draft 2050 RTP Hybrid Scenario Transit Network

Legend

-  High Speed Rail
-  COASTER Rail
-  Light Rail Transit
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-  Rapid Bus
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12/10/2010



Sustainability and Growth



SAN DIEGO



SAN FRANCISCO



LOS ANGELES



Operating Efficiency

Source: Independent Taxpayers Oversight Committee

System	Farebox Recovery		Operating Cost per Boarding		Subsidy per Boarding		Operating Cost per revenue mile	
	Rail	Bus	Rail	Bus	Rail	Bus	Rail	Bus
MTS	54.3%	38.1%	\$2.00	\$2.66	\$0.91	\$1.65	\$ 7.87	\$ 7.62
Dallas	12.6%	11.5%	\$6.29	\$6.52	\$5.50	\$5.77	\$22.66	\$ 9.00
Denver	31.1%	26.6%	\$3.56	\$3.71	\$2.45	\$7.43	\$ 8.96	\$ 7.43
Los Angeles	18.3%	26.5%	\$3.62	\$2.58	\$2.96	\$1.90	\$17.41	\$10.86
Minneapolis	40.3%	31.0%	\$2.46	\$3.59	\$1.47	\$2.48	\$12.78	\$10.53
Phoenix	28.1%	16.9%	\$2.72	\$5.35	\$1.96	\$4.45	\$12.43	\$ 6.35
Portland	34.7%	22.8%	\$2.51	\$3.95	\$1.64	\$3.05	\$13.06	\$11.28
Sacramento	30.2%	21.9%	\$3.12	\$4.27	\$2.18	\$3.34	\$11.75	\$10.68
Salt Lake	37.2%	17.2%	\$2.09	\$4.89	\$1.31	\$4.02	\$ 8.62	\$ 6.42
Santa Clara	15.2%	13.9%	\$5.81	\$6.29	\$4.93	\$5.41	\$18.77	\$13.22
9-Peer Ave.	27.5%	21.3%	\$3.58	\$4.48	\$2.71	\$3.59	\$14.05	\$ 9.52





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