







**SUCCESSES: Fleets Now Running on Alternate Fuels**

The collage includes:

- Two men standing in front of a USPS mail truck.
- A white taxi cab.
- A red garbage truck.
- Two men standing next to a yellow bus.

A globe is visible in the bottom right corner.

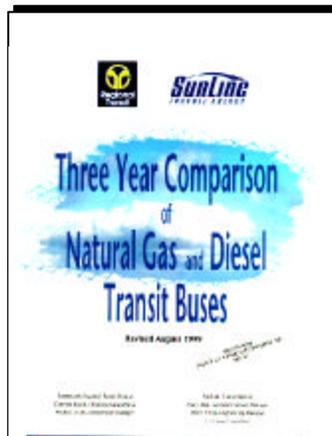
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## FLEET COMPOSITION

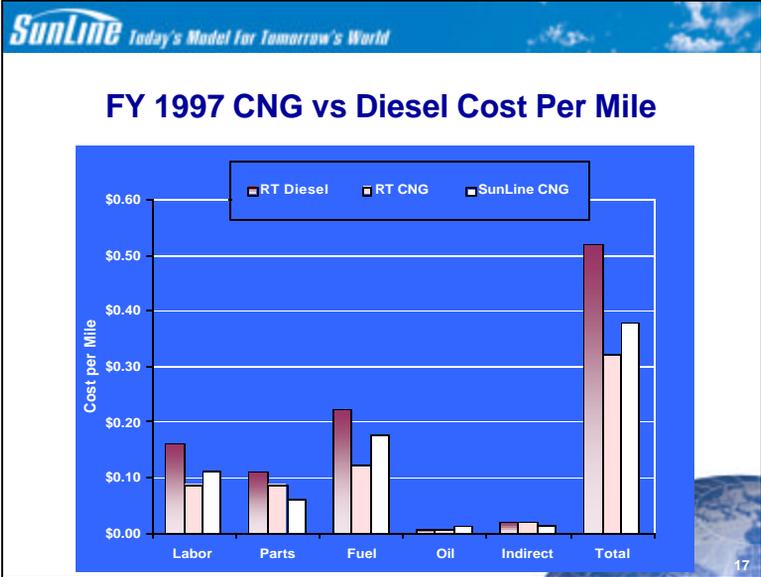
- ♦ Buses
  - 34 Orion 40-foot, CNG
  - 7 Thomas 40-foot, CNG
  - 5 Eldorado 29-foot, CNG
  - 1 1985 Gillig 40-foot bus (Bookmobile), CNG
  - 1 1982 Gillig 40-foot, diesel (Riverside County Communications Unit)
  - 2 Nova 40-foot, Hythane
  - 4 Tractor trailers (SunLink), LNG
  - 3 SVMC\* 22-foot trolleys, electric
- ♦ Paratransit Vehicles
  - 9 Ford Cutaways, CNG
  - 4 Dodge Vans, CNG
  - 13 Ford Vans, CNG
- ♦ Misc Non Revenue
  - 15 Light Duty, CNG
  - 20 Medium Duty, CNG

\* Specialty Vehicle Manufacturing Company

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**SunLine** Today's Model For Tomorrow's World

† **TRANSIT INDUSTRY  
ROAD CALL AVERAGE:  
4,000 miles**

† **SUNLINE AVERAGE  
AFTER SEVEN YEARS:  
12,000 miles**

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## Payback of Incremental Costs

**TABLE 6. PAYBACK OF INCREMENTAL COSTS**

	Number of Buses	Incremental Cost per Bus	Savings per Year	Savings per Mile	Payback* in Years	Miles per Bus
RT	136	\$ 50,000	\$1,122,900	\$ 0.197	6.1	253,807
SunLine	34	\$ 50,000	\$ 213,000	\$ 0.142	8.0	352,113

\* FTA guideline for the planned replacement life of a bus is 12 years or 500,000 miles.

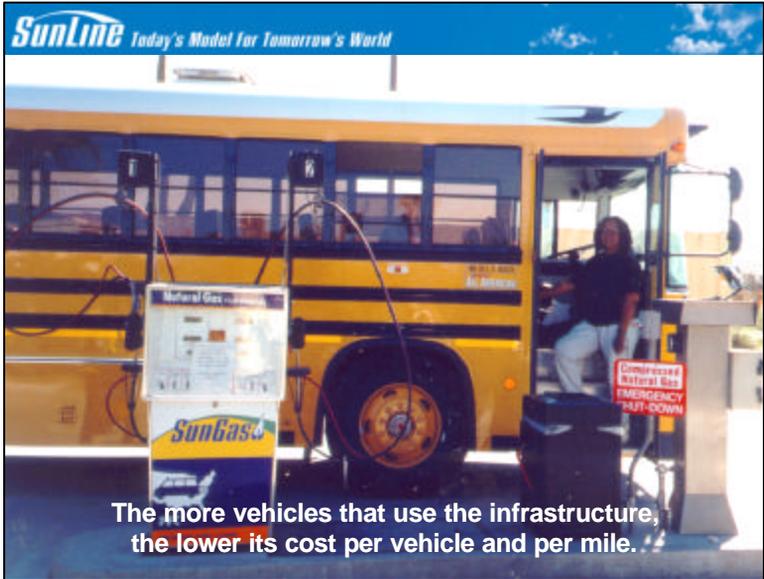


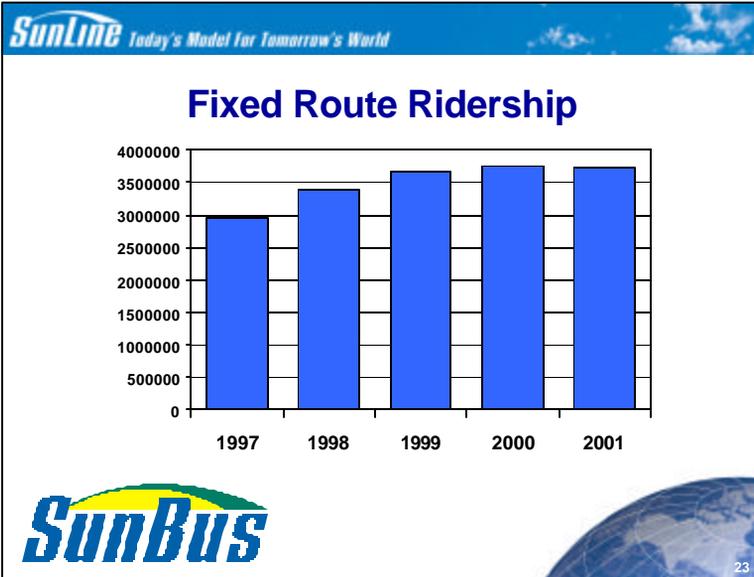
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## EDUCATIONAL COLLABORATION

- ✦ Advanced Transportation Technologies Initiative (ATTI)
- ✦ College of the Desert - Energy Technology Training Center
- ✦ Department of Environment / Urban Consortium Energy Task Force
- ✦ Georgetown University
- ✦ Humboldt State University - Schatz Energy Research Center
- ✦ National Science Foundation
- ✦ University of California - Riverside, CE-CERT

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## GOVERNMENT COOPERATION

- † California Air Resources Board
- † California Energy Commission
- † City of Palm Desert
- † Coachella Valley Association of Governments
- † Federal Transit Administration
- † Imperial Irrigation District
- † Palm Springs International Airport
- † South Coast Air Quality Management District
- † U.S. Department of Defense
- † U.S. Department of Energy

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## INDUSTRY COLLABORATION

- ◆ Air Products
- ◆ Allison Transmission
- ◆ American Public Transportation Association
- ◆ Ballard (formerly XCELLSIS)
- ◆ California Fuel Cell Partnership
- ◆ California Hydrogen Business Council
- ◆ California Natural Gas Vehicle Coalition
- ◆ California Transit Association
- ◆ Clean Air Now
- ◆ Coachella Valley Economic Partnership
- ◆ Cummins Engine Company
- ◆ DCH Technology
- ◆ Detroit Diesel
- ◆ Dynetek
- ◆ Engelhard Corp.
- ◆ ENRG (formerly Pickens Fuel Corp.)
- ◆ Federal Mogul
- ◆ FIBA Technologies
- ◆ Fueling Technologies

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## INDUSTRY COLLABORATION

- ◆ Gaz de France
- ◆ HbT
- ◆ Hydrogen Components, Inc.
- ◆ ISE Research
- ◆ John Deere
- ◆ National Hydrogen Association
- ◆ Natural Gas Vehicle Coalition
- ◆ Orion Industries, Ltd.
- ◆ Quantum Technologies
- ◆ QuestAir
- ◆ Shell Hydrogen
- ◆ Southern California Gas Co.
- ◆ Southwest Research Institute
- ◆ Stuart Energy
- ◆ Teledyne Energy Systems
- ◆ Thunderpower LLC
- ◆ TotalFinaElf
- ◆ UOP
- ◆ UTC Fuel Cells
- ◆ Wintec

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## THANK YOU

Questions?



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