

GREENEST VEHICLE NOW PART OF COUNTY FLEET

Ten (10) natural-gas powered Honda Civic GX vehicles were recently added to the general fleet. What's significant about that? Consider the following: The American Council for an Energy-Efficient Economy's (ACEEE) *Green Book™ - The Environmental Guide to Cars & Trucks* named the vehicle "the greenest of the year".



Since ACEEE's *Green Book™* first went to press, the Honda Civic GX was certified to California's SULEV emission standard, which cut its tailpipe pollution by 85% compared to its initial ULEV certification. "While the Civic GX ranked quite well during our initial

release in February, it was the SULEV certification that helped propel it to the top," notes Jim Kliesch, ACEEE Research Assistant and co-author of ACEEE's *Green Book™*.

ACEEE's Green Scores account for both tailpipe pollution and global warming impacts, including emissions from auto factories, petroleum refineries, and for electric vehicles, power plants. "Our posted Green Scores are based on national average emission factors," notes Kliesch. "In states with cleaner-than-average electricity generation, such as California, the EVI would see an even higher Green Score."

Want one for your agency?

A notable development is that Honda's natural-gas powered Super Ultra Low Emission Vehicle (SULEV) Civic GX now ties the EVI with the top Model Year 2000 Green Score of 52.

LED TECHNOLOGY TO REDUCE ENERGY AND MAINTENANCE \$ FOR TRAFFIC SIGNALS

In FY2000, Energy Management and Traffic Engineering joined forces in acquiring funds to test an experimental LED traffic signal project. With the success of these installations (check out red balls on corner of Andrews Avenue & SW 2nd St.) and the promising results, funding is being made by add to retrofit ALL traffic signals with the LED technology.



30% less energy compared to the incandescent lamps traditionally used in this application. LED signals also last much longer and fail less frequently, offering additional savings in reduced ramping routine and emergency maintenance, and liability costs.

"Not only will LEDs save a tremendous amount of energy

costs, since they last ten times longer, our crews that currently spend time replacing the incandescent lamps will have more time to focus on other areas," says Jihad El Eid, Director of Traffic Engineering Division. "On the safety side, LEDs are one string at a time, which means we can detect and replace an aging signal before it totally goes out the box."

LED traffic signals are a proven alternative to incandescent and have been in use in cities as Philadelphia, Denver, and Phoenix. With rising utility costs, total energy cost savings from the project is approaching \$1 million each year.

Alternative Fuel Vehicle Performance Update

(Fiscal Year 2001 to Date (thru January))

Miles Driven	Fuel Cost Savings
CNG 157,441	CNG \$6,610
FV 17,910	FV \$1,236
LPG 21,823	LPG \$130



Energy Star Buildings Update Pollution Prevention

CO2	61,832,856 lbs
SO2	236,173,108 grams
Nox	102,219,616 grams

Equivalent: Cars removed from the Road 5,183
Acres of Trees Planted 8,470