Since its inception in January 1996, the Interstate Clean Transportation Corridor (ICTC) Project has been the nation's most successful public-private partnership dedicated to accelerating the market penetration of clean, alternative fuel vehicles (AFVs) in interstate goods movement. The ICTC seeks to foster AFV deployment and alternative fuel infrastructure development that will link Los Angeles, the San Joaquin Valley, Sacramento, San Francisco, Las Vegas, Reno and Salt Lake City along I-80, I-5, CA-99, I-10 and I-15.

Goals and Objectives compared to Actual Accomplishments:

Gladstein & Associates, LLC (G&A) met or exceeded each of the eight goals set forth by the Department of Energy. The following chart identifies the original goal, the actual accomplishments and the percentage of the goal achieved.

<table>
<thead>
<tr>
<th>Goals and Objectives from DOE Scope of Work</th>
<th>Actual Accomplishments</th>
<th>Percentage of Goal Achieved</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Gas Fueling Stations</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>Heavy-Duty Alternative Fuel Vehicles</td>
<td>375</td>
<td>475</td>
</tr>
<tr>
<td>Light Duty Alternative Fuel Vehicles</td>
<td>500</td>
<td>546</td>
</tr>
<tr>
<td>Annual NOx and PM Reductions (tons)</td>
<td>130</td>
<td>314</td>
</tr>
<tr>
<td>Diesel Displacement (millions of gallons)</td>
<td>3.5</td>
<td>3.56</td>
</tr>
<tr>
<td>Economic Activity (millions of dollars)</td>
<td>36</td>
<td>50</td>
</tr>
<tr>
<td>Alternative Fuel Outreach Events</td>
<td>9</td>
<td>15</td>
</tr>
<tr>
<td>Number of Participants at Events</td>
<td>1000</td>
<td>1943</td>
</tr>
</tbody>
</table>

Increasing Awareness of Heavy-Duty AFVs

In order to foster project development, the ICTC actively sought to increase awareness of heavy-duty AFVs among truck fleet operators in the region. To date, the ICTC has:
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Brought together 4,300 participants, including more than 1,900 individuals from 1,300 different public and private fleets, at fifteen national ICTC conferences (Las Vegas, NV; Los Angeles, San Ramon, Anaheim, Long Beach (2), Riverside (2), Downey, Tulare and San Diego, CA) and local ICTC briefings (Fresno, Pomona, Riverside, Victorville) to increase awareness about heavy-duty alternative fuel vehicle and fueling technologies and available project funding. These workshops have helped to provide the impetus for several vehicle deployment projects.

Specific Projects
Since its inception, the ICTC Project has become a model public-private partnership for the implementation of alternative fuel, heavy-duty vehicle projects for the entire nation. Some specific accomplishments of the ICTC to date include:

- **Sysco Food Services of Los Angeles** is the most recent addition to the list of ICTC-supported fleets. Since November 2000, Sysco has received $1.7 million in grant funds from various sources for the purchase of 95 new LNG class-8 trucks and the construction of a public access LNG fueling station at the company's facility in Walnut, California. The company hopes to replace its total fleet of 226 trucks (100 percent of its fleet) with LNG trucks over the next couple of years, as well as develop LNG projects from several of its other locations throughout the western United States. Sysco has already deployed 53 LNG tractors funded through the Mobile Source Reduction Review Committee (MSRC), ARB NOx and PM Credit Bank and Carl Moyer Program.

- **The San Joaquin Valley Clean Corridor Project (SJVCCP)** to build three natural gas fueling stations along the I-5 and CA-99 in Fresno, Tulare and Coalinga, California and deploy natural gas tractors at Harris Feeding Company, USA Waste, Kings County Truck Lines and Commercial Transfer, Inc. The ICTC has worked with the San Joaquin Valley Clean Air Transportation (CAT) Coalition to secure nearly $1,300,000 from the U.S. DOE SEP, the Petroleum Violation Escrow Account (PVEA) and the San Joaquin Valley Unified APCD to build the three fueling stations and purchase and deploy 12 natural gas tractors at Harris Farms' Coalinga depot, and worked closely with Harris officials to undertake a formal Request for Proposal (RFP) process to select a fuel station builder. The Harris Ranch liquefied natural gas facility and 12 LNG trucks began operation in October 1999. Since this time, Harris Ranch has found that their LNG trucks are saving the company between $0.035 to $0.050 per mile. As well, the City of Tulare began operations at their new LNG/LCNG fueling facility in September 2001. Construction of the USA Waste LNG station in Fresno was initiated in the Spring of 2002, with the first load of fuel being delivered in September 2002.

- **The Vons Companies, Inc.'s** planned deployment of 60 natural gas tractors, 17 propane (LPG) powered yard tractors and development of a liquefied natural gas fueling station at the company's Santa Fe Springs, CA depot. ICTC staff has helped secure over $2.1 million to implement this project, and worked with Vons' staff to select a station vendor after a formal RFP process. Vons' currently operates
45 LNG trucks, 7 LPG and 8 LNG yard tractors, and public access LNG fueling facility in Santa Fe Springs. While the company was planning to deploy up to 30 additional dedicated LNG Detroit Diesel Series 60 powered on-road class-8 LNG trucks, recent conversations with Vons officials indicate that any additional trucks added to the fleet will be dual-fuel trucks, similar to the company's initial 30 LNG units.

- **Albertson's** (formerly American Stores Company) planned deployment of 25 natural gas tractors and development of a natural gas fueling station at its depot in **Buena Park, CA** (former depot of American Stores Company's subsidiary Lucky Stores, Inc.). ICTC staff worked with the SCAG Clean Cities Coalition to secure a $99,000 grant from the U.S. DOE SEP and $710,000 from the MSRC for station development and vehicle incremental costs. The company is currently operating 15 LNG on-road tractors at this facility. As well, Albertson's was awarded $119,260 in Carl Moyer monies for the purchase of 7 dedicated LPG yard tractors, which were deployed in 2001. The company plans to continue the expansion of their LNG fleet to 25 trucks to develop a private-access LNG station to fuel the vehicles. Because of the purchase of Lucky, the LNG project, previously based in Buena Park, will be moved to of Albertson’s depots in either Brea or La Habra.

- **Stater Bros. Markets’** planned deployment of 35 liquefied natural gas tractors and six LPG yard spotting tractors from its distribution facility in **Colton, CA**, in conjunction with the development of a natural gas fueling station at **Poma Automated Fueling in Rialto, CA**. ICTC staff has helped both companies secure a total of $949,018 in funding from the MSRC and AQIP to implement this project. Of this total amount, $600,000 has been allocated for Stater Bros. natural gas tractor deployment (MSRC), $99,018 for the company LPG yard spotters (AQIP) and $250,000 has been allocated for the planned natural gas fueling infrastructure development. Stater Bros. began operating its first 10 LNG trucks in November 2000, with the next 10 being deployed in 2001 and the remaining 15 deployed in 2002.

- ICTC staff worked with the Nevada State Energy Office (NSEO) to secure $500,000 from the Department of Energy State Energy Program to develop a series of natural gas fueling stations along the **Nevada Corridor (I-80)**. While hardware was purchased toward this end, the project was not able to secure appropriate sites for public-access fueling infrastructure. The funding was successfully utilized to provide upgrades in storage and dispensing capabilities for the heavily utilized natural gas fueling station in Reno. Furthermore, three private-access fueling stations were installed to service fleets of Washoe County, Nevada State Motor Pool in Reno and College campus in Las Vegas. The remaining $170,000 in funding was allocated to help offset the incremental cost of natural gas powered light-duty trucks and sedans for up to $3,000 per vehicle.

- ICTC staff has helped to secure over $1.53 million in funding for **Burrtce Waste Inc.** to deploy 55 LNG refuse collection and transfer trucks at its depot in Riverside. In conjunction with Burrtce's Riverside project, ICTC has secured $1,016,000 on behalf of the County of Riverside Waste Management Department to construct a
public access LNG fueling on County land located adjacent to Burrtec's transfer facility. With over 900 truck-trips per week utilizing this transfer site, the ICTC anticipates that this LNG fueling station will allow for significant additional fleet conversions.

The City of Barstow will soon break ground on the first public access, publicly owned L/CNG fueling station to be completely funded with public monies obtained by the ICTC. With over $1.12 million already secured for this project, this L/CNG fueling station will provide state-of-the-art service for those natural gas vehicles traveling in, around and through the City. City of Barstow has contracted with Project Technical Liaison (PTL) to complete the design portion of the project.

Additionally, ICTC staff continuously works to locate and develop projects throughout the corridor region. Currently staff is working on several other projects within the Inland Empire, San Diego County, the San Joaquin Valley (Fresno) and elsewhere.

Temecula: In cooperation with RCTC the ICTC has been coordinating with a group of stakeholders, including Downs Commercial Fueling, Riverside Transit Agency, CR&R Incorporated, Rancho California Water District, City of Temecula and County of Riverside to pursue the development of an LNG/LCNG fueling station at Downs' existing Temecula diesel cardlock fueling station. ICTC has secured $250,000 from the CEC Infrastructure PON and $250,000 from the South Coast Air Quality Management District to help offset the infrastructure costs for this project. This natural gas fueling station at Downs Commercial Fueling existing cardlock fueling station will fill the gap in the existing infrastructure network and allow for convenient fueling from I-15 and I-215.

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