



Utah Public Service Commission
Technical Conference
State of Utah's Long-term Vision for
Natural Gas Vehicles

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UTAH ENERGY GOALS

- **AFFORDABLE ENERGY**
- **SUSTAINABLE ECONOMY**
- **STRENGTHEN ENERGY SECURITY AND INDEPENDENCE**
- **REDUCE EMISSIONS**

UTAH ENERGY STRATEGY

- **Diversify Energy Portfolio of Renewables and Non-Renewables**
- **Promote Economic Development**
- **Improve Energy Efficiency and Conservation**
- **Improve Environmental Quality and Reduce Emissions**
- **Develop Transmission and Transportation**
- **Maintain Quality of Life**

UTAH ENERGY TARGETS

- Improve Energy Efficiency by 20% by 2015
- Generate 20% of Electricity from Renewable Energy Sources by 2025
- Reduce Greenhouse Gas Emissions to 2005 Level by 2020

ENERGY GOALS - CNG/NGV

AFFORDABLE ENERGY

- Per gallon equivalent price for CNG, Gasoline & Diesel
- Operation and maintenance of dedicated and aftermarket conversion NGVs
- State tax credits for NGVs

SUSTAINABLE ECONOMY

- Robust Fueling Infrastructure
- Workable Regulatory Program for Aftermarket Conversion NGVs
- Support Key Transportation Routes (I-15 Corridor)

STRENGTHEN ENERGY SECURITY AND INDEPENDENCE

- Natural Gas production in Utah and adjacent states; nationally, 87% is domestic production
- Direct displacement of imported petroleum for transportation fuels
- Alternative fuel during emergency operations

REDUCE EMISSIONS

- Reduce criteria air pollutants (Attainment and Non-Attainment Areas)
60-90% fewer emissions
- Reduce Greenhouse Gas Emissions, 30-40% fewer emissions

CNG AND NGV LEGISLATION AND POLICY

2009

I-15 CNG Corridor Initiative

HB392 Natural Gas for Vehicles

HCR1 Certification of CNG Vehicles

2008

HB103 Use of State Alternative Fuel Network

HB106 Clean Air and Efficient Vehicle Tax Incentives

2007

HB110 State Fleet Energy Efficiency Requirements

2006

HB46 Energy Policy Amendments

1980s

Established I-15 CNG Fueling Infrastructure

STATE OF UTAH GASCARD CNG FUELING LOCATIONS

**Alpine School District
490 North State Street, Lindon, UT**

**Utah State University
1400 North 900 East, Logan, UT**

**University of Utah
425 South 1778 East, Salt Lake City, UT**

**Jordan School District
200 East 9300 South, Sandy, UT**

**Granite School District
3000 West Parkway Blvd (2700 South), West Valley, UT**

Renewable Energy and Alternative Fuel Vehicles for Emergency Response

Affordable Energy

- Secondary purpose for renewable energy generation and alternative fuel vehicles (co-funding opportunity)
- Energy during supply disruption

Sustainable Economy

- Sustain vital public and private services
- Energy for business continuity
- Enable faster business and community recovery

Strengthen Energy Security and Independence

- Energy during gasoline/diesel supply disruption
- Primary, part-time or back-up power source for EOC operations, shelters, hospitals, critical operations
- Reduce demand/extend use of conventional energy sources (e.g., diesel generators, gasoline/diesel vehicles)
- Remote applications

Reduce Emissions

CNG/NGV COORDINATION INCLUDES:

Utah Governor and Legislature

Utah Public Service Commission

Utah Department of Commerce –

Division of Public Utilities and Office of Consumer Services

Utah Department of Administrative Services – Fleet Services

Utah Department of Environmental Quality

Utah State Tax Commission

Utah Department of Transportation

Utah Department of Public Safety

Utah Cities and Counties

Utah Clean Cities Program

U.S. Environmental Protection Agency

U.S. Department of Energy

Federal Energy Regulatory Commission

Utah Colleges and Universities

Questar

Natural Gas Producers and Marketers, including Utah Petroleum Marketers

Utah Auto Dealers and U.S. Automakers

Aftermarket Conversion Companies

Utah Business

Public

