New York State Apollo Alliance

www.wdiny.org
State Program Results

A Real World Slice: Impact of Calif. Efficiency Programs = ~7.5 GW

Per-capita electricity consumption, 1960–2000

- Rest of U.S.
- California
Apollo Alliance

- Brings labor together with businesses, environmentalists, educators & advocates for environmental justice

- Supports the creation of well-paying jobs essential to creating energy independence & environmental protection
Workforce Development Institute

- Workforce Intelligence
- Community Audits
- Education & Training
- Community College Programs
- Facilitated Childcare Enrollment Program
- Unseen America NYS
- Apollo Alliance
NYS Apollo Alliance

Center for Economic and Environmental Partnership, Inc.
Environmental Business Association of New York State
Healthy Schools Network
New York City Apollo Alliance
New York Mainstream Forum
New York State United Teachers
Sierra Club
Sterling Planet, Inc.
United Steelworkers District 4
W. Haywood Burns Center for Environmental Education
Workforce Development Institute
National Apollo

Labor Unions

AFL-CIO (and Building and Construction Trades Dept)
Amalgamated Transit Union (ATU)
American Federation of State, County, and Municipal Employees (AFSCME)
International Association of Machinists and Aerospace Workers (IAM)
International Brotherhood of Electrical Workers (IBEW)
International Brotherhood of Teamsters (IBT)
Laborers’ International Union of North America (LI UNA)
Paper and Allied Chemical Employees (PACE)
Service Employees International Union (SEIU)
Sheet Metal Workers International Association (SMWIA)
Transportation Workers Union (TWU)
United Automobile and Aerospace Workers (UAW)
United Food and Commercial Workers (UFCW)
United Mine Workers of America (UMWA)
UNITE HERE!
United Steel Workers of America (USWA)
National Apollo

Businesses

All American Home Center
American Solar Energy Society
American Wind Energy Association
Aspen Skiing Company
Austin Energy
Conservation Services Group
First Affirmative Financial Network
Johnson Controls
McKenzie Bay International
Pacific Ethanol
Paladin Private Equity Partners
Pro Vision Technologies, Inc.
Raymond James & Associates
Schultz Development Group, LLC
Sharp Solar
Sigma Capital Group, Inc.
SynerThe Saunders Hotel Group
and Environmental Consulting
White & Lee, LLP
William McDonough Partners
Wilson Turbo Power, Inc.
Environmental Organizations

Center for Environmental Health  Natural Resources Defense Council (NRDC)
Ceres  Republicans for Environmental Protection
EarthVoice  National Wildlife Federation  Rainforest Action Network
Environmental Law and Policy  The Sierra Club
Center  The Sierra Student Coalition
Energy Action  Global Green USA  Greenpeace USA  League of Conservation Voters
League of Conservation Voters  Union of Concerned Scientists
National Apollo

Other Organizations

ACORN
Action for Grassroots Economic and Neighborhood Development
Alternatives (AGENDA)
Black Farmers USA
Coalition of Black Trade Unionists (CBTU)
Ella Baker Center for Human Rights

Jim Hightower and The Rolling Thunder Down Home Democracy Tour
Institute for Agriculture and Trade Policy
Intertribal Council On Utility Policy (COUP)
Plug in Partners
Urban Agenda
Apollo Receives “Right Stuff” Award
President of Apollo Alliance, Jerome Ringo
A Ten-Point Plan
For America’s Energy Independence by 2015

1. Promote Advanced Technology & Hybrid Cars
2. Invest In More Efficient Factories
3. Encourage High Performance Building
4. Increase Use of Energy Efficient Appliances
5. Modernize Electrical Infrastructure
6. Expand Renewable Energy Development
7. Improve Transportation Options
8. Reinvest In Smart Urban Growth
9. Plan For A Hydrogen Future
10. Preserve Regulatory Protections

www.apolloalliance.org
Economic Analysis

National Benefits

$300 Billion in Federal Investment over 10 years

- $1.43 Trillion in GDP Gains
- $954 Billion in Personal Income
- 3.3 Million Good Jobs
JOB

- Energy Efficiency
- Wind
- Solar
- Alternative Fuels
Energy Efficiency Jobs

21.5 Jobs Created/$1 Million Investment

- Natural Gas Creates 11.5 Jobs/$1 Million Investment

Major jobs
- Factory Workers
- Builders
Jobs in Solar

1 MW PV power = 69,650 hrs of labor (35.5 yrs)

**Major jobs**

- Module Assembly (20,950 hrs)
- System Integration (11,750 hrs)
- Installation (10,500 hrs)
- Roofers, Electricians, Sheet-metal Workers
- O & M (5000 hrs)
- Potential for In-State Manufacturing
Jobs in Alternative Fuels

12 New Ethanol Production Facilities Will Create:

- $588 Million in Annual Economic Activity
- 2,564 New Jobs

5% Biodiesel Requirement Will Create:

- $515 million in economic activity
- 2,431 new jobs
Apollo’s Four Initiatives

Kick the Oil Habit

Clean, Renewable Energy

Efficiency & Green Buildings

High Performance Cities
California Climate Change Program

- E.O. S-3-05 by Gov. Schwarzenegger called for an 80% reduction in emissions from 1990 levels by 2050.

- The new California Climate Change law (AB 32) calls for a reduction to 1990 levels by 2020 (25% reduction).

- The Pavley vehicle law requires approximately a 30% reduction by 2016.

- The Perata power plant law (SB 1368) states that any electricity sold within the California must be from a plant whose emissions do not exceed those of a new combined cycle natural gas plant.

- On October 18, 2006, Gov. Schwarzenegger signed E.O. S-20-06, directing state agencies to begin implementation of AB 32.
2005 Melt Extent on Greenland

Source: University of Colorado CIRES (courtesy Russell Huff and Konrad Steffen)