



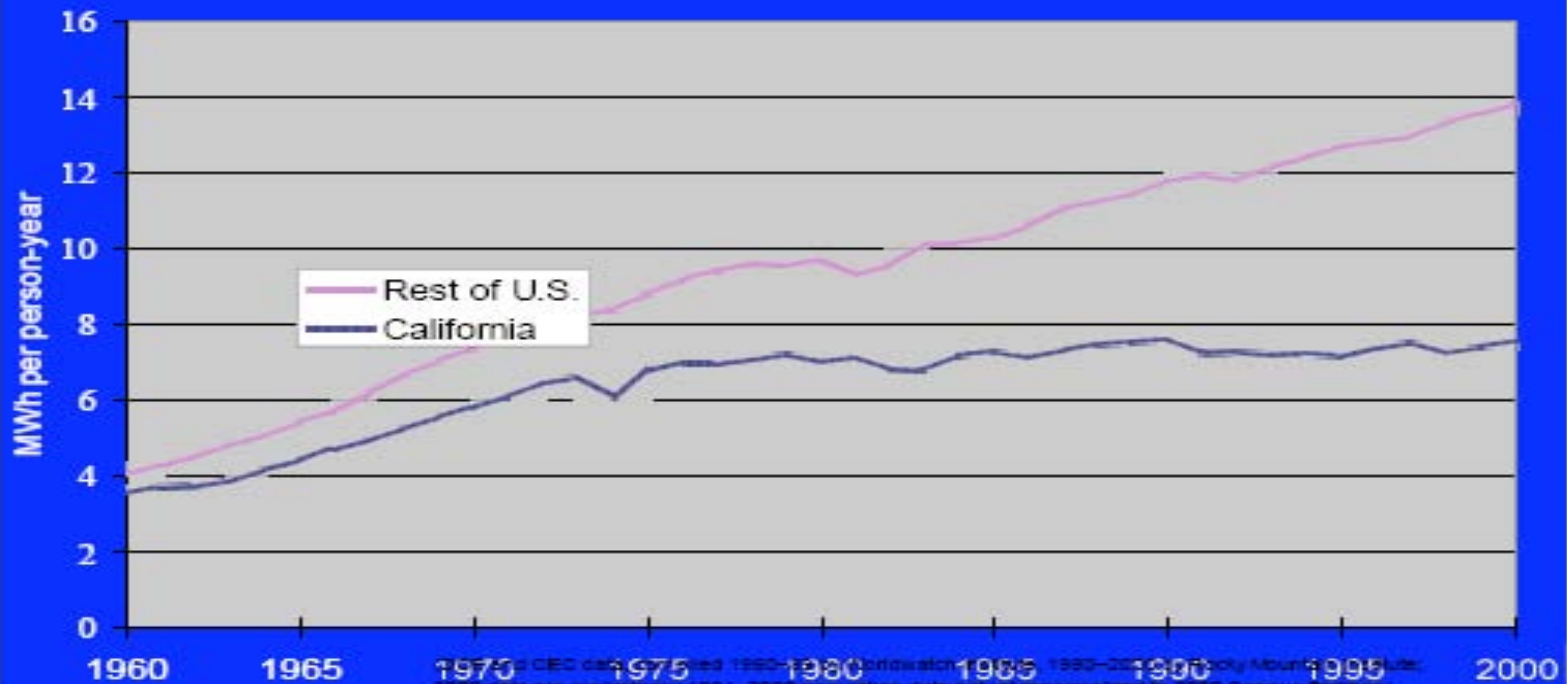
New York State Apollo Alliance

www.wdiny.org

State Program Results

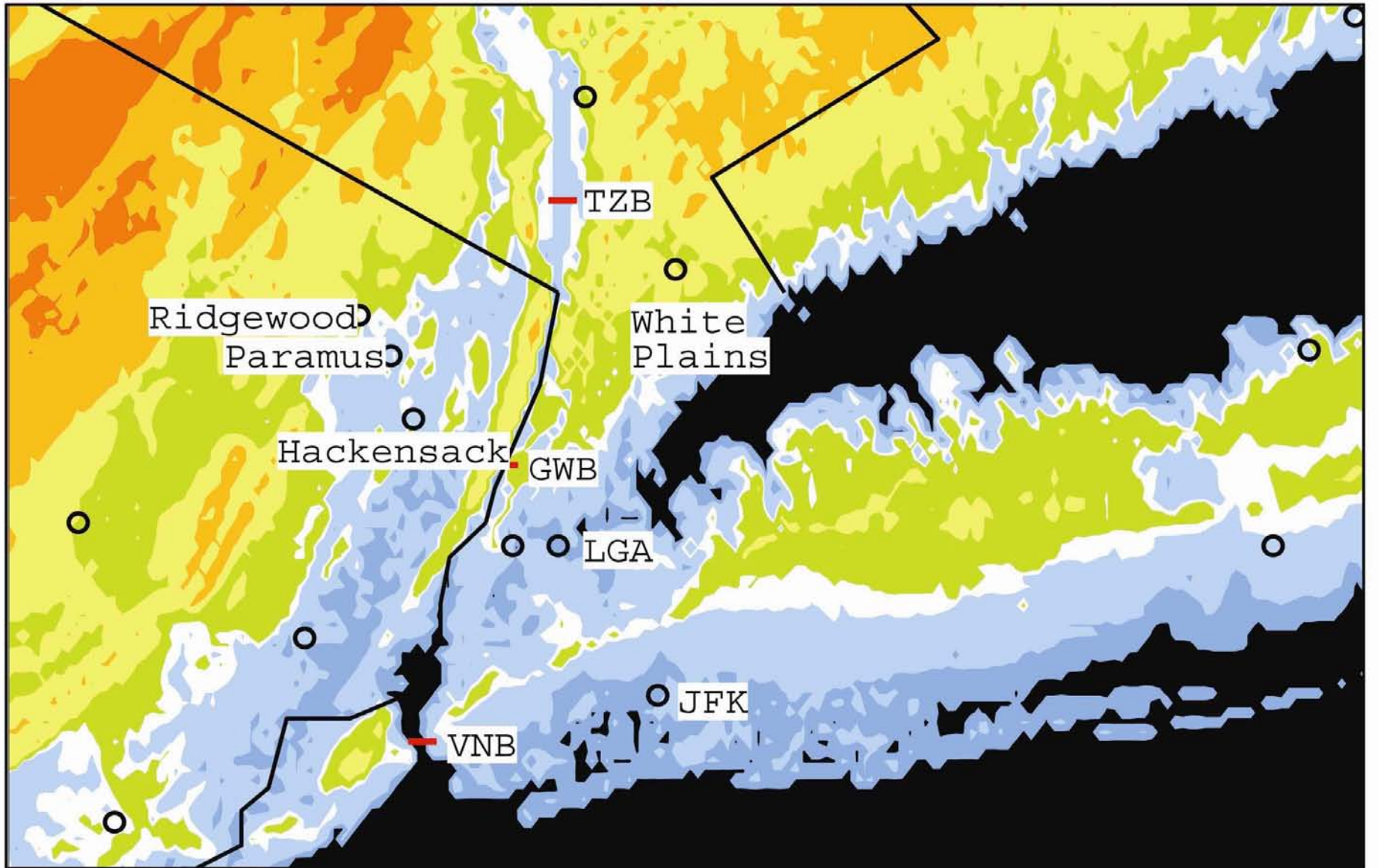
A Real World Slice: Impact of Calif. Efficiency Programs = ~7.5 GW

Per-capita electricity consumption, 1960–2000

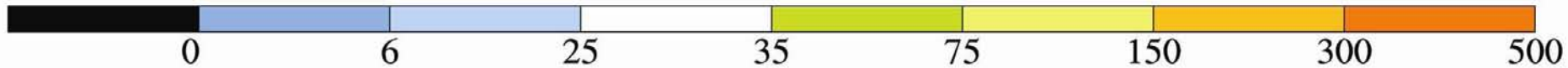


Source: California Energy Commission, California Energy Efficiency Data, 1960-2000. Note: 2000 data are preliminary. 1991-2000 data are normalized to 2000 Census figures.

Area under Water (New York Region)



Due to Sea Level Rise (m)





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 (LIUNA)

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



National Apollo

Environmental Organizations

Center for Environmental Health

Ceres

EarthVoice

Environmental Law and Policy

Center

Energy Action

Global Green USA

Greenpeace USA

League of Conservation Voters

Natural Resources Defense

Council (NRDC)

National Wildlife Federation

Rainforest Action Network

Republicans for Environmental

Protection

The Sierra Club

The Sierra Student Coalition

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

OPPORTUNITY

- **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

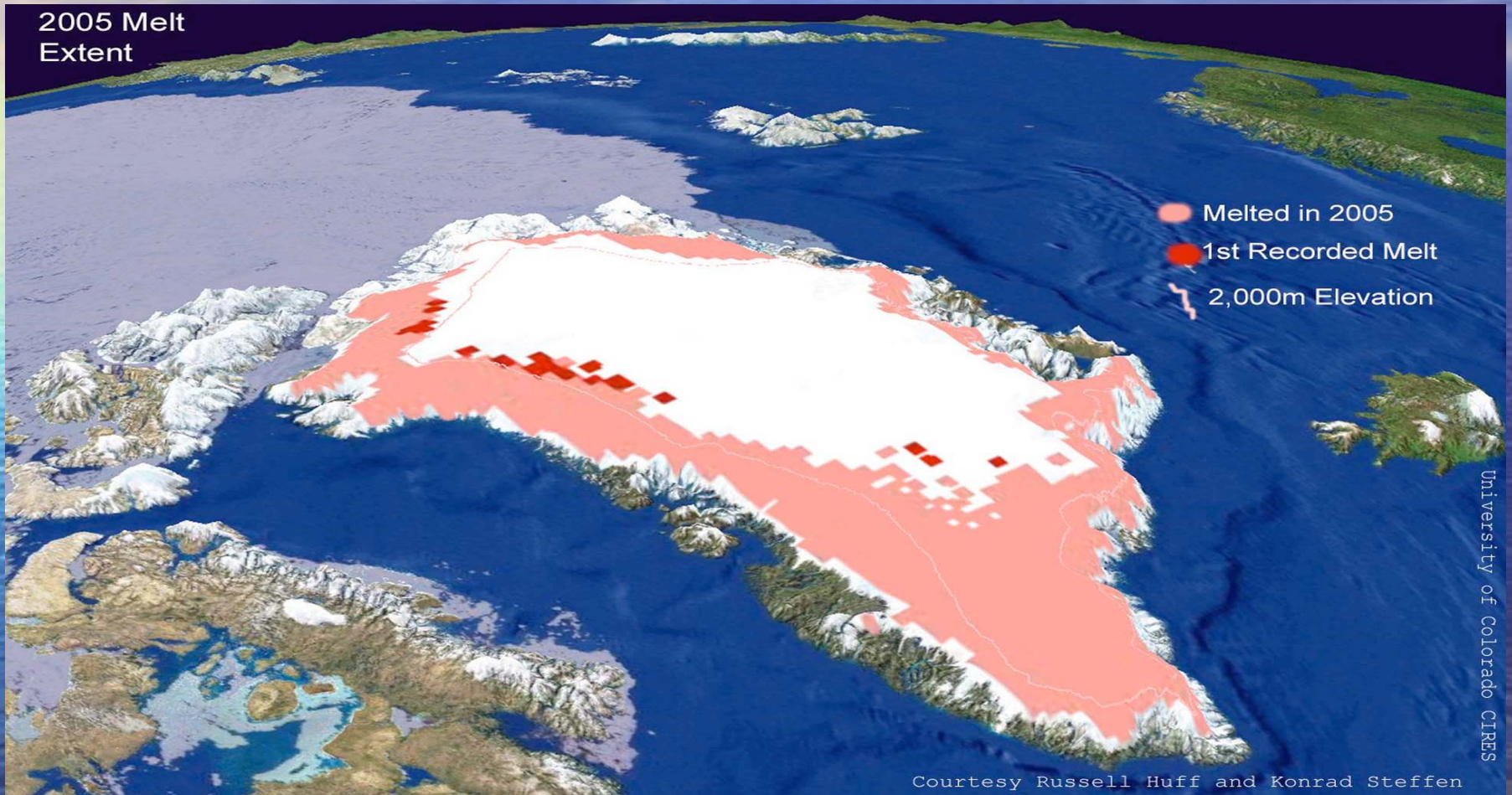
  Efficiency & Green Buildings

  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)