

# Proposed Federal Actions Relating to Greenhouse Gas Emissions

**Deborah Jordan**

Director

Air Division

USEPA, Region 9



26<sup>th</sup> Pacific Islands Environment  
Conference

Confronting Climate Change in the  
Pacific: National, Regional and Local  
Perspectives

June 23, 2009



# Obama Administration Goals

- Strong linkages between energy security, environmental protection, and economic growth
- Financial investments
  - American Recovery and Reinvestment Act of 2009
- Develop cap and trade program, request action from Congress
- EPA priorities: science, transparency, rule of law

# American Recovery and Reinvestment Act



**\$42 billion:** Climate Change Mitigation, Clean Energy, Energy Efficiency

EPA

- \$6 billion: State Revolving Funds
  - 20% set aside for green infrastructure

DOE

- \$6.3 billion: Energy Efficiency and Conservation Block Grants and State Energy Program.
- \$5 billion: Weatherization
- On-going solicitations

# American Recovery and Reinvestment Act - \$\$ to Islands

**D  
O  
E  
  
E  
P  
A**

	American Samoa	CNMI	Guam
State Energy Programs	\$18,550,000	\$18,651,000	\$19,098,000
EE& C Block Grants	\$9 ,593,500	\$9 ,593,500	\$9 ,593,500
Weatherization	\$719,511	\$795,206	\$1,119,297
Clean Water SRF	\$3,454,000	\$1,551,700	\$2,471,500
Drinking Water SRF	\$483,000	\$1,829,000	\$2,124,000

# Federal Regulatory Activities

- Proposed GHG reporting rule
- Proposed Endangerment finding
- Proposed Renewable Fuels Standard
- Upcoming Greenhouse Gas Emissions Standards for Light-Duty vehicles
- Analyze legislation: Waxman-Markey Bill
- American Recovery and Reinvestment Act
- EPA Investments

# Proposed Greenhouse Gas Mandatory Reporting Rule

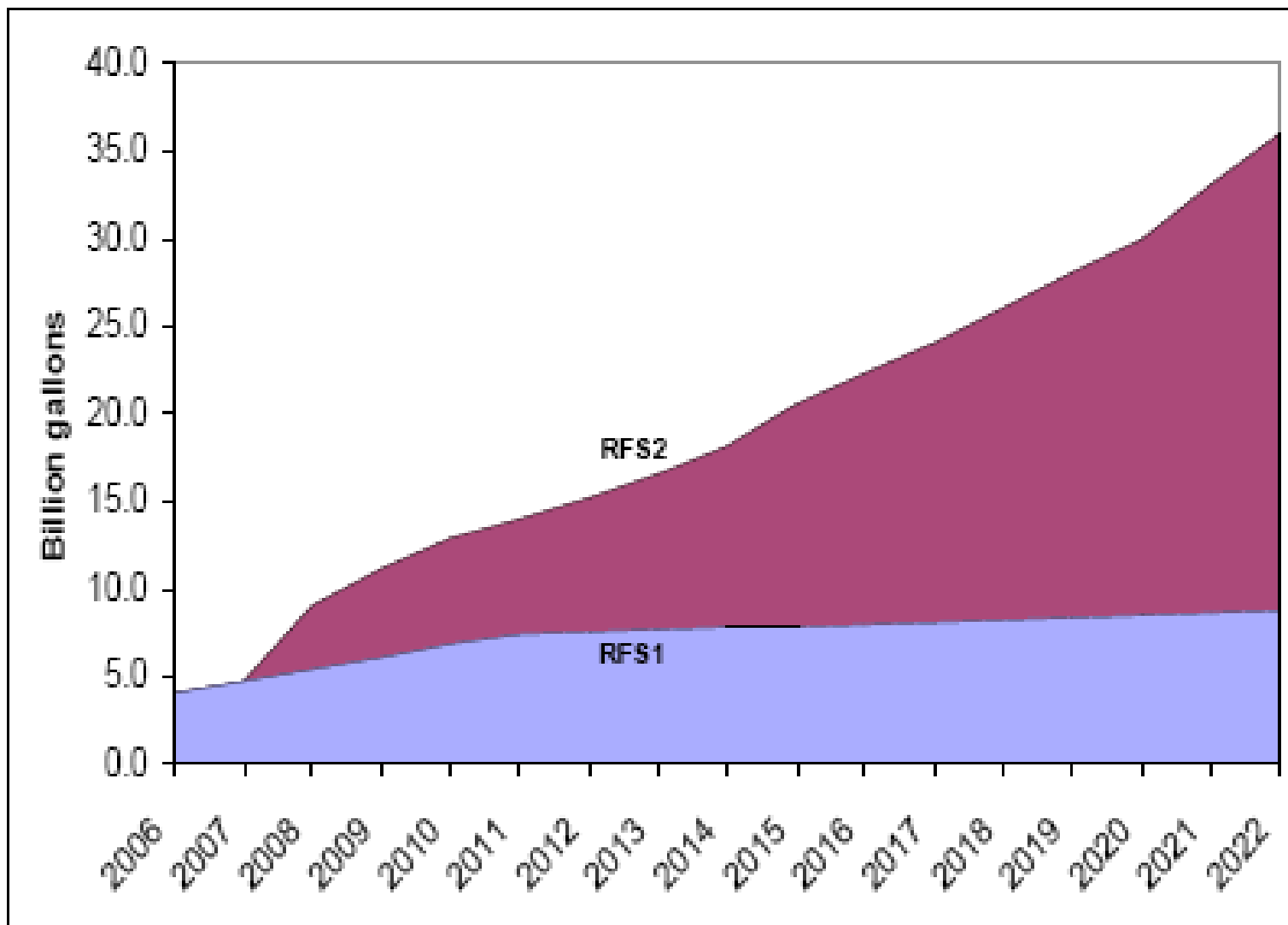
- Applies to:
  - Suppliers of fossil fuels or industrial greenhouse gases
  - Manufacturers of vehicles and engines
  - Large-scale agricultural facilities
  - Other facilities that emit more than 25,000 mT CO<sub>2</sub>-eq
- Encompasses ~85-90% of total US greenhouse gases
- Data verified by EPA, not third party

[www.epa.gov/climatechange/emissions/ghgrulemaking.html](http://www.epa.gov/climatechange/emissions/ghgrulemaking.html)

# Proposed Endangerment Finding

- Proposed finding that
  - 6 GHGs threaten the public health and welfare &
  - 4 GHGs from new motor vehicles contribute to atmospheric concentrations
- Comment Period now over
- [www.epa.gov/climatechange/endangerment.html](http://www.epa.gov/climatechange/endangerment.html)

# Renewable Fuel Standard 2





# Proposed Greenhouse Gas Emissions Standards for Light-Duty Vehicles

- *Collaborative effort:* EPA, DOT, United Auto Workers, Auto Manufacturers, State of CA
  - Joint rulemaking between DOT – NHTSA and EPA now being drafted
- Fuel Economy Standards to start in 2012, ramp up by 2016 to:
  - Passenger Cars: 39 MPG
  - Light-Duty Trucks: 30 MPG
- Limits on tailpipe emissions in g CO<sub>2</sub>/mi
- Encompasses 60% US transportation emissions, which are 30% total US emissions

# Waxman- Markey

## Cap and Trade

- Reductions under the cap:
  - 2012: 3% below 2005 levels
  - 2050: 83% below 2005 levels
- Includes: electricity generators, fuel refiners and importers, fluorinated gas manufacturers, industrial sources emitting more than 25,000 mTCO<sub>2</sub>-eq
- Allocation of allowances continues to be debated

## Renewable Electricity

- Combined renewable electricity and electricity savings of 6% by 2012 and 20% by 2020.

# Waxman – Markey

## Building Codes

- Requires 30% reduction in energy use by 2010 and 50% by 2015 ; EPA building labeling
  - Buildings currently represent 38% US GHG Emissions

## Adaptation

- Launch National Climate Change Adaptation Program within US Global Change Research Program (new website: <http://globalchange.gov>)
- National Climate Service within NOAA to distribute information to local decision-makers
- Call for adaptation plans at state and federal levels

# Looking Forward

- UNFCCC Copenhagen Meeting 12/09
- Potential Regulatory Decisions
  - Proposed Endangerment Finding
  - Proposed GHG Mandatory Reporting Rule
  - Proposed Renewable Fuels Standard
  - GHG Standards for Light-Duty Vehicles
  - Federal Funds Issued
    - American Recovery and Reinvestment Act
    - Community Showcase Climate Grants
- Engage in Legislative Dialogue

**Questions?**