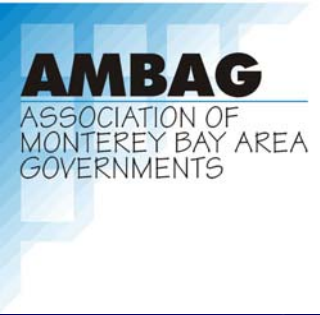


Energy Independence and Security Act of 2007

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AMBAG Board Retreat April 12, 2008



Part I:

Energy Independence and Security Act of 2007 (PL110-140)

Energy Security

- Improved vehicle fuel economy.
- Increase Corporate Average Fuel Economy (CAFE) standards.
- Improved vehicle technology and transportation electrification.
- Incentives for the development of plug-in hybrids.
- New conservation requirements for federal vehicle fleets.
- Increased production of biofuels.

Energy Savings

- Improved appliance and lighting standards.
- New initiatives for promoting conservation in buildings and industry.
- New standards and grants for promoting efficiency in government and public institutions.
- Accelerated research and development of solar, geothermal, marine, and hydrokinetic renewable energy technologies.
- Expanded federal research on carbon sequestration technologies.

Energy Transportation & Infrastructure

- New initiatives for highway, sea and railroad infrastructure.
- Creation of the Office of Climate Change and Environment in the Department of Transportation.

Smart Grid

- Modernization of the electricity grid to improve reliability and efficiency.



Part II:

Section by Section Overview

Plug in Electric Drive Vehicle Program

- Section 131(6)
- Projects to encourage use of plug-in electric drive vehicles.
- Competitive grants, local governments eligible.
- \$90M annually / 2008 - 2012

Grants for Biofuel Production Research

- Section 233
- R&D, demonstration, commercial application of biofuel production in certain states with low use of biofuel.
- Local governments eligible if part of consortium.
- \$25M annually / 2008-10

Refueling Infrastructure Coordinators

- Section 244(d)
- Pilot program in 10 geographically dispersed areas to install, operate and maintain infrastructure and equipment necessary to ensure adequate distribution of renewable fuel blends in the corridor.
- Competitive grant, local governments eligible.
- \$200M annually / 2008-14

Zero Net Energy Commercial Buildings Initiative

- Section 422 (c)
- Develop and disseminate technologies, practices, and policies to achieve zero net energy commercial buildings.
- Includes R&D pilot programs and demonstration projects, training, support organizations, state and local governments in developing minimum performance standards for energy efficient buildings, improve measurements and verification
- \$20M / 2008
\$50M / 2009-10
\$100M / 2011-12
\$200M / 2013-18

Public Outreach

- Section 423
- Establish and maintain a national green building clearinghouse for all levels government and public
- Provide access to technical assistance and tools, information on certification processes.
- Funds are not specified.



Energy Sustainability & Efficiency Grants & Loans for Institutions

- Section 471
- Amends Energy Policy and Conservation Act (EPCA).
- Institutions, local governments, school districts, municipal utilities, colleges/universities are eligible for Sec. 399 grants.

Technical Assistance Grants

- Section 339A(b)
- Grants will fund a portion of the cost of feasibility studies for improvement of sustainable energy infrastructure, overcome barriers for project implementation and detailed engineering.
- 250M annually / 2009-13 for the three grant programs.

Grants for Energy Efficiency Improvement & Energy Sustainability

- Section 399A(c)
- Grants to institutional entities to improve energy efficiency on the grounds and facilities.

Grants for Innovation in Energy Sustainability

- Section 399A(d)
- Grants for institutions to engage in innovative energy sustainability projects.
- At least 50% of funds must go to institutions of higher learning
- Two (2) grants will be awarded annually to each state.

Loans for Energy Efficiency Improvement & Energy Sustainability

- Section 399A(g)
- Loans to institutional entities for implementing energy efficiency improvements and sustainable energy infrastructure.
- \$500M annually / 2009-13

Application of International Energy Conservation Code to Public & Assisted Housing

- Section 481
- Amends Cranston-Gonzales National Affordable Housing Act (NAHA).
- All new construction and rehabilitation of public and assisted housing funded by HOPE VI revitalization grants must comply with International Energy Conservation Code.
- Funds are not specified.

Healthy High Performance Schools

- Section 461
- Grants to states to:
 - provide technical assistance for programs of EPA's Tools for Schools & Health School Environmental Assessment Tool
 - Development of state school environmental health programs including standards for school building design, construction, renovation & identification.
- 1M / 2009
- 1.5M annually / 2010-13

Green Building Advisory Committee

- Section 494
- Establish a committee to advise on green commercial buildings etc.
 - Committee to be comprised of EPA and other federal agencies.
 - Plus at least one representative each of state and local green building programs, independent green building associations, architects/suppliers, security advisors, public transportation experts, and environmental health experts.
- Funds are not specified.



Energy Efficiency & Conservation Block Grants

- Section 541
- Local government grants to:
 - reduce fossil fuel emissions within their jurisdiction in a way that is environmentally sustainable
 - maximizes local and regional communities
 - reduces total energy efficiency in transportation, building, and other appropriate sectors.

Energy Efficiency & Conservation Block Grants (cont.)

- Grants can be used to develop & implement an energy efficiency & conservation strategy; such as:
 - Retain technical consultant services to develop the strategy
 - Conduct residential & commercial building audits
 - Establish financial incentives
 - Develop and implement energy efficiency/conservation program for buildings and facilities within the jurisdiction
 - Develop programs to conserve energy used in transportation

Energy Efficiency & Conservation Block Grants (cont.)

- Increase participation in material conservation programs;
- Purchase technologies to reduce, capture, use methane and other GHG
- Update traffic signals and street lighting
- Develop, implement, and install onsite renewable energy technology.
- \$2B annually / 2008-12
 - 68% to locals and 28% to states.

Advanced Technology Locomotive Grant Pilot Program

- Section 1111
- Pilot program for making grants to railroad carriers and state and local governments to help purchase hybrid or other energy-efficient locomotives
- Demonstrate the extent to which such locomotives increase fuel economy, reduce emissions, and lower operating costs.
- \$10M annually / 2008-11
 - 80% maximum federal share

Short Sea Transportation

- Section 1121
- Projects to mitigate landside congestion through use of short sea transportation for passengers and freight.
- Develop strategies to encourage use of short sea transportation as part of transportation planning.
- Funds are not specified.



Part III:

Support PL110-140

- Fully fund the Energy Efficient and Conservation Block Grant Program (EECBG) at \$2 billion per year to reduce fossil-fuel emission and total energy use, as well as improve energy efficiency and conservation in the transportation and building sectors with funding distributed and prioritized at the local level.

- Urge the expansion of “Green Jobs” and fully fund this program at \$50 million annually for the new “Green Collar” workforce training, which updated traditional workforce development program to train at-risk/underemployed people in emerging energy and environmental skills.

- Support the use of alternative energy sources, including nuclear, wind, solar, wave, biofuels, clean coal, geothermal, etc.
- Distribute incentives and funding through multi-jurisdictional regional planning organizations in order to comply and maintain national energy goals at the local levels.

- Support regional government collaboration on determining and employing solutions at the regional level.



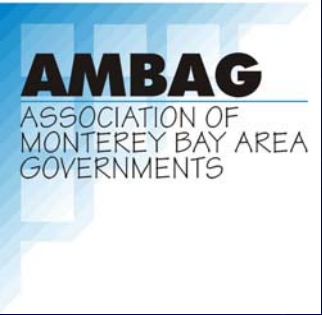
Part IV:

America's Climate Security Act of 2007

- Support the inclusion and necessary funding in S.2191 to multi-jurisdictional regional planning organizations that practice “Smart Growth” by linking transportation and land use planning thereby reducing vehicle miles traveled (VMT) and CO2 emissions.

- Amend S.2191 to direct a portion of the cap-and-trade auction proceeds to units of local government and multi-jurisdictional regional planning organizations to support emission reduction efforts.
- Support allocation of funding in Sec. 4601 to “Climate Change Worker Training Fund” for clean energy workforce development.

- Enforce the requirements put into law from the “Energy Independence and Security Act of 2007” (PL 110-140) on energy policies and incentives that can be utilized at the regional-level by multi-jurisdictional planning organizations, particularly by fully funding the Energy Efficient and Conservation block Grant program (EECBG) at \$2 billion per year.



Questions?

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