

would be penalized for non-participation or for retaining different standards.

While there is substantial and broad support for this much needed legislation, there continues to be resistance to moving forward with this legislation in the Senate. Unfortunately, this resistance has the effect of allowing unsuspecting consumers to continue to purchase and drive potentially life-threatening vehicles. Delaying this legislation will cost used car buyers another \$4 billion this year and place millions of structurally unsafe vehicles back on America's roads and highways. Roads that our family, friends, and neighbors share every day.

Even though S. 655 has wide-spread support and follows the recommendations of the Congressionally-chartered Salvage Advisory Committee, a few groups have attempted to undermine this measure at every stage of the process. Unfortunately, these groups seemed to have convinced some of my colleagues that it is better to delay the implementation of clearly needed consumer protections and continue to press for the imposition of untried, untested and in many cases anti-consumer requirements. Requirements that states have rejected time and again. Provisions that focus on post-purchase redress rather than pre-purchase disclosure. Definitions and standards that would perpetuate confusion rather than promote uniformity among the states, undermining the very purpose of this legislation. These groups claim to have the interests of consumers in mind, yet the best representative of car-buying consumers, the American Automobile Association, has rejected their approach and supports passage of S. 655.

As I am sure my colleagues will agree, advancing titling definitions and standards that states have rejected, and will continue to reject, will only exacerbate title fraud. Such an approach only benefits those who prey on unsuspecting car buyers and would jeopardize the minimum standards required to make the program work, unnecessarily harm many vehicle owners and buyers by needlessly reducing the value of their vehicles, create unreasonable or untested standards, foster unnecessary litigation, impinge on states rights, and promote a scheme that states will reject.

During the 104th and 105th Congresses, this was a bipartisan, better yet nonpartisan, initiative. My only interest has been to protect consumers by encouraging the use of minimal uniform disclosure standards for severely damaged vehicles—those involved in a serious accident, severely damaged by falling objects, or vehicles that have sustained significant and lingering water damage. Whether the used car buyer is in Mississippi, California, Nevada, Minnesota, or in any other state, he or she needs the pre-purchase disclosure information that S. 655 would provide.

I have made every effort to reach consensus on this legislation. In that vein, a number of changes were incorporated throughout the legislative process to address the concerns of State attorneys general, certain consumer groups, and many of my colleagues. The latest version of this legislation incorporates the full range of changes that DMV administrators, including California's Administrator, believe are practicable. The substitute makes it very clear that there is no preemption of state law. The substitute also mirrors much of the State of California's current titling requirements, ensuring that minimal change will be required by our largest state should it choose to apply for the bill's grant monies.

Mr. President, even though I have made numerous compromises on this legislation, the goal post continues to move further away. Instead of gaining acceptance, I was recently presented with yet another round of proposed modifications. AAMVA reviewed these proposed changes and determined they would eviscerate the purpose of this legislation. AAMVA opposes these additional changes because they could potentially harm the very people this legislation aims to protect, create a mountain of unnecessary paperwork, and would create a substantial amount of bureaucracy with no added value.

It makes no sense to adopt provisions that the experts on titling matters believe are harmful to used car consumers, the very people this balanced legislation aims to protect. AAMVA, Secretaries of State, local and state law enforcement, state legislators, and the automotive and insurance industries have repeatedly pronounced their support for S. 655. AAA and the California DMV also agree that my substitute bill is the right legislative solution.

Mr. President, if we do not pass this legislation, the real loser is the unfortunate used car buyer in these and other states who unknowingly purchases a wreck on wheels, perhaps a previously totaled government crash test vehicle. Every day that Congress fails to act on this prudent titling legislation, thousands of individuals are harmed and millions of dollars are lost to the unscrupulous practice of title laundering. Let's pass this bill now.

S. 1949

Mr. LEAHY. Mr. President, I ask unanimous consent that the text of the bill, S. 1949, the "Clean Power Plant and Modernization Act," introduced on November 18, 1999, be printed in the RECORD.

There being no objection, the bill was ordered to be printed in the RECORD, as follows:

S. 1949

*Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,*

**SECTION 1. SHORT TITLE; TABLE OF CONTENTS.**

(a) SHORT TITLE.—This Act may be cited as the "Clean Power Plant and Modernization Act of 1999".

(b) TABLE OF CONTENTS.—The table of contents of this Act is as follows:

- Sec. 1. Short title; table of contents.
- Sec. 2. Findings and purposes.
- Sec. 3. Definitions.
- Sec. 4. Combustion heat rate efficiency standards for fossil fuel-fired generating units.
- Sec. 5. Air emission standards for fossil fuel-fired generating units.
- Sec. 6. Extension of renewable energy production credit.
- Sec. 7. Megawatt hour generation fees.
- Sec. 8. Clean Air Trust Fund.
- Sec. 9. Accelerated depreciation for investor-owned generating units.
- Sec. 10. Grants for publicly owned generating units.
- Sec. 11. Recognition of permanent emission reductions in future climate change implementation programs.
- Sec. 12. Renewable and clean power generation technologies.
- Sec. 13. Clean coal, advanced gas turbine, and combined heat and power demonstration program.
- Sec. 14. Evaluation of implementation of this Act and other statutes.
- Sec. 15. Assistance for workers adversely affected by reduced consumption of coal.
- Sec. 16. Community economic development incentives for communities adversely affected by reduced consumption of coal.
- Sec. 17. Carbon sequestration.

**SEC. 2. FINDINGS AND PURPOSES.**

(a) FINDINGS.—Congress finds that—

(1) the United States is relying increasingly on old, needlessly inefficient, and highly polluting powerplants to provide electricity;

(2) the pollution from those powerplants causes a wide range of health and environmental damage, including—

(A) fine particulate matter that is associated with the deaths of approximately 50,000 Americans annually;

(B) urban ozone, commonly known as "smog", that impairs normal respiratory functions and is of special concern to individuals afflicted with asthma, emphysema, and other respiratory ailments;

(C) rural ozone that obscures visibility and damages forests and wildlife;

(D) acid deposition that damages estuaries, lakes, rivers, and streams (and the plants and animals that depend on them for survival) and leaches heavy metals from the soil;

(E) mercury and heavy metal contamination that renders fish unsafe to eat, with especially serious consequences for pregnant women and their fetuses;

(F) eutrophication of estuaries, lakes, rivers, and streams; and

(G) global climate change that may fundamentally and irreversibly alter human, animal, and plant life;

(3) tax laws and environmental laws—

(A) provide a very strong incentive for electric utilities to keep old, dirty, and inefficient generating units in operation; and

(B) provide a strong disincentive to investing in new, clean, and efficient generating technologies;

(4) fossil fuel-fired power plants, consisting of plants fueled by coal, fuel oil, and natural gas, produce nearly two-thirds of the electricity generated in the United States;

(5) since, according to the Department of Energy, the average combustion heat rate efficiency of fossil fuel-fired power plants in

the United States is 33 percent, 67 percent of the heat generated by burning the fuel is wasted;

(6) technology exists to increase the combustion heat rate efficiency of coal combustion from 35 percent to 50 percent above current levels, and technological advances are possible that would boost the net combustion heat rate efficiency even more;

(7) coal-fired power plants are the leading source of mercury emissions in the United States, releasing an estimated 52 tons of this potent neurotoxin each year;

(8) in 1996, fossil fuel-fired power plants in the United States produced over 2,000,000,000 tons of carbon dioxide, the primary greenhouse gas;

(9) on average—

(A) fossil fuel-fired power plants emit 1,999 pounds of carbon dioxide for every megawatt hour of electricity produced;

(B) coal-fired power plants emit 2,110 pounds of carbon dioxide for every megawatt hour of electricity produced; and

(C) coal-fired power plants emit 205 pounds of carbon dioxide for every million British thermal units of fuel consumed;

(10) the average fossil fuel-fired generating unit in the United States commenced operation in 1964, 6 years before the Clean Air Act (42 U.S.C. 7401 et seq.) was amended to establish requirements for stationary sources;

(11)(A) according to the Department of Energy, only 23 percent of the 1,000 largest emitting units are subject to stringent new source performance standards under section 111 of the Clean Air Act (42 U.S.C. 7411); and

(B) the remaining 77 percent, commonly referred to as "grandfathered" power plants, are subject to much less stringent requirements;

(12) on the basis of scientific and medical evidence, exposure to mercury and mercury compounds is of concern to human health and the environment;

(13) pregnant women and their developing fetuses, women of childbearing age, and children are most at risk for mercury-related health impacts such as neurotoxicity;

(14) although exposure to mercury and mercury compounds occurs most frequently through consumption of mercury-contaminated fish, such exposure can also occur through—

(A) ingestion of breast milk;

(B) ingestion of drinking water, and foods other than fish, that are contaminated with methyl mercury; and

(C) dermal uptake through contact with soil and water;

(15) the report entitled "Mercury Study Report to Congress" and submitted by the Environmental Protection Agency under section 112(n)(1)(B) of the Clean Air Act (42 U.S.C. 7412(n)(1)(B)), in conjunction with other scientific knowledge, supports a plausible link between mercury emissions from combustion of coal and other fossil fuels and mercury concentrations in air, soil, water, and sediments;

(16)(A) the Environmental Protection Agency report described in paragraph (15) supports a plausible link between mercury emissions from combustion of coal and other fossil fuels and methyl mercury concentrations in freshwater fish;

(B) in 1997, 39 States issued health advisories that warned the public about consuming mercury-tainted fish, as compared to 27 States that issued such advisories in 1993; and

(C) the number of mercury advisories nationwide increased from 899 in 1993 to 1,675 in 1996, an increase of 86 percent;

(17) pollution from powerplants can be reduced through adoption of modern technologies and practices, including—

(A) methods of combusting coal that are intrinsically more efficient and less polluting, such as pressurized fluidized bed combustion and an integrated gasification combined cycle system;

(B) methods of combusting cleaner fuels, such as gases from fossil and biological resources and combined cycle turbines;

(C) treating flue gases through application of pollution controls;

(D) methods of extracting energy from natural, renewable resources of energy, such as solar and wind sources;

(E) methods of producing electricity and thermal energy from fuels without conventional combustion, such as fuel cells; and

(F) combined heat and power methods of extracting and using heat that would otherwise be wasted, for the purpose of heating or cooling office buildings, providing steam to processing facilities, or otherwise increasing total efficiency; and

(18) adopting the technologies and practices described in paragraph (17) would increase competitiveness and productivity, secure employment, save lives, and preserve the future.

(b) PURPOSES.—The purposes of this Act are—

(1) to protect and preserve the environment while safeguarding health by ensuring that each fossil fuel-fired generating unit minimizes air pollution to levels that are technologically feasible through modernization and application of pollution controls;

(2) to greatly reduce the quantities of mercury, carbon dioxide, sulfur dioxide, and nitrogen oxides entering the environment from combustion of fossil fuels;

(3) to permanently reduce emissions of those pollutants by increasing the combustion heat rate efficiency of fossil fuel-fired generating units to levels achievable through—

(A) use of commercially available combustion technology, including clean coal technologies such as pressurized fluidized bed combustion and an integrated gasification combined cycle system;

(B) installation of pollution controls;

(C) expanded use of renewable and clean energy sources such as biomass, geothermal, solar, wind, and fuel cells; and

(D) promotion of application of combined heat and power technologies;

(4)(A) to create financial and regulatory incentives to retire thermally inefficient generating units and replace them with new units that employ high-thermal-efficiency combustion technology; and

(B) to increase use of renewable and clean energy sources such as biomass, geothermal, solar, wind, and fuel cells;

(5) to establish the Clean Air Trust Fund to fund the training, economic development, carbon sequestration, and research, development, and demonstration programs established under this Act;

(6) to eliminate the "grandfather" loophole in the Clean Air Act relating to sources in operation before the promulgation of standards under section 111 of that Act (42 U.S.C. 7411);

(7) to express the sense of Congress that permanent reductions in emissions of greenhouse gases that are accomplished through the retirement of old units and replacement by new units that meet the combustion heat rate efficiency and emission standards specified in this Act should be credited to the utility sector and the owner or operator in any climate change implementation program;

(8) to promote permanent and safe disposal of mercury recovered through coal cleaning, flue gas control systems, and other methods of mercury pollution control;

(9) to increase public knowledge of the sources of mercury exposure and the threat to public health from mercury, particularly the threat to the health of pregnant women and their fetuses, women of childbearing age, and children;

(10) to decrease significantly the threat to human health and the environment posed by mercury;

(11) to provide worker retraining for workers adversely affected by reduced consumption of coal; and

(12) to provide economic development incentives for communities adversely affected by reduced consumption of coal.

### SEC. 3. DEFINITIONS.

In this Act:

(1) ADMINISTRATOR.—The term "Administrator" means the Administrator of the Environmental Protection Agency.

(2) GENERATING UNIT.—The term "generating unit" means an electric utility generating unit.

### SEC. 4. COMBUSTION HEAT RATE EFFICIENCY STANDARDS FOR FOSSIL FUEL-FIRED GENERATING UNITS.

(a) STANDARDS.—

(1) IN GENERAL.—Not later than the day that is 10 years after the date of enactment of this Act, each fossil fuel-fired generating unit that commences operation on or before that day shall achieve and maintain, at all operating levels, a combustion heat rate efficiency of not less than 45 percent (based on the higher heating value of the fuel).

(2) FUTURE GENERATING UNITS.—Each fossil fuel-fired generating unit that commences operation more than 10 years after the date of enactment of this Act shall achieve and maintain, at all operating levels, a combustion heat rate efficiency of not less than 50 percent (based on the higher heating value of the fuel), unless granted a waiver under subsection (d).

(b) TEST METHODS.—Not later than 2 years after the date of enactment of this Act, the Administrator, in consultation with the Secretary of Energy, shall promulgate methods for determining initial and continuing compliance with this section.

(c) PERMIT REQUIREMENT.—Not later than 10 years after the date of enactment of this Act, each generating unit shall have a permit issued under title V of the Clean Air Act (42 U.S.C. 7661 et seq.) that requires compliance with this section.

(d) WAIVER OF COMBUSTION HEAT RATE EFFICIENCY STANDARD.—

(1) APPLICATION.—The owner or operator of a generating unit that commences operation more than 10 years after the date of enactment of this Act may apply to the Administrator for a waiver of the combustion heat rate efficiency standard specified in subsection (a)(2) that is applicable to that type of generating unit.

(2) ISSUANCE.—The Administrator may grant the waiver only if—

(A)(i) the owner or operator of the generating unit demonstrates that the technology to meet the combustion heat rate efficiency standard is not commercially available; or

(ii) the owner or operator of the generating unit demonstrates that, despite best technical efforts and willingness to make the necessary level of financial commitment, the combustion heat rate efficiency standard is not achievable at the generating unit; and

(B) the owner or operator of the generating unit enters into an agreement with the Administrator to offset by a factor of 1.5 to 1, using a method approved by the Administrator, the emission reductions that the generating unit does not achieve because of the failure to achieve the combustion heat rate efficiency standard specified in subsection (a)(2).

(3) EFFECT OF WAIVER.—If the Administrator grants a waiver under paragraph (1), the generating unit shall be required to achieve and maintain, at all operating levels, the combustion heat rate efficiency standard specified in subsection (a)(1).

**SEC. 5. AIR EMISSION STANDARDS FOR FOSSIL FUEL-FIRED GENERATING UNITS.**

(a) ALL FOSSIL FUEL-FIRED GENERATING UNITS.—Not later than 10 years after the date of enactment of this Act, each fossil fuel-fired generating unit, regardless of its date of construction or commencement of operation, shall be subject to, and operating in physical and operational compliance with, the new source review requirements under section 111 of the Clean Air Act (42 U.S.C. 7411).

(b) EMISSION RATES FOR SOURCES REQUIRED TO MAINTAIN 45 PERCENT EFFICIENCY.—Not later than 10 years after the date of enactment of this Act, each fossil fuel-fired generating unit subject to section 4(a)(1) shall be in compliance with the following emission limitations:

(1) MERCURY.—Each coal-fired or fuel oil-fired generating unit shall be required to remove 90 percent of the mercury contained in the fuel, calculated in accordance with subsection (e).

(2) CARBON DIOXIDE.—  
(A) NATURAL GAS-FIRED GENERATING UNITS.—Each natural gas-fired generating unit shall be required to achieve an emission rate of not more than 0.9 pounds of carbon dioxide per kilowatt hour of net electric power output.

(B) FUEL OIL-FIRED GENERATING UNITS.—Each fuel oil-fired generating unit shall be required to achieve an emission rate of not more than 1.3 pounds of carbon dioxide per kilowatt hour of net electric power output.

(C) COAL-FIRED GENERATING UNITS.—Each coal-fired generating unit shall be required to achieve an emission rate of not more than 1.55 pounds of carbon dioxide per kilowatt hour of net electric power output.

(3) SULFUR DIOXIDE.—Each fossil fuel-fired generating unit shall be required—

(A) to remove 95 percent of the sulfur dioxide that would otherwise be present in the flue gas; and

(B) to achieve an emission rate of not more than 0.3 pounds of sulfur dioxide per million British thermal units of fuel consumed.

(4) NITROGEN OXIDES.—Each fossil fuel-fired generating unit shall be required—

(A) to remove 90 percent of nitrogen oxides that would otherwise be present in the flue gas; and

(B) to achieve an emission rate of not more than 0.15 pounds of nitrogen oxides per million British thermal units of fuel consumed.

(c) EMISSION RATES FOR SOURCES REQUIRED TO MAINTAIN 50 PERCENT EFFICIENCY.—Each fossil fuel-fired generating unit subject to section 4(a)(2) shall be in compliance with the following emission limitations:

(1) MERCURY.—Each coal-fired or fuel oil-fired generating unit shall be required to remove 90 percent of the mercury contained in the fuel, calculated in accordance with subsection (e).

(2) CARBON DIOXIDE.—  
(A) NATURAL GAS-FIRED GENERATING UNITS.—Each natural gas-fired generating unit shall be required to achieve an emission rate of not more than 0.8 pounds of carbon dioxide per kilowatt hour of net electric power output.

(B) FUEL OIL-FIRED GENERATING UNITS.—Each fuel oil-fired generating unit shall be required to achieve an emission rate of not more than 1.2 pounds of carbon dioxide per kilowatt hour of net electric power output.

(C) COAL-FIRED GENERATING UNITS.—Each coal-fired generating unit shall be required to achieve an emission rate of not more than

1.4 pounds of carbon dioxide per kilowatt hour of net electric power output.

(3) SULFUR DIOXIDE.—Each fossil fuel-fired generating unit shall be required—

(A) to remove 95 percent of the sulfur dioxide that would otherwise be present in the flue gas; and

(B) to achieve an emission rate of not more than 0.3 pounds of sulfur dioxide per million British thermal units of fuel consumed.

(4) NITROGEN OXIDES.—Each fossil fuel-fired generating unit shall be required—

(A) to remove 90 percent of nitrogen oxides that would otherwise be present in the flue gas; and

(B) to achieve an emission rate of not more than 0.15 pounds of nitrogen oxides per million British thermal units of fuel consumed.

(d) PERMIT REQUIREMENT.—Not later than 10 years after the date of enactment of this Act, each generating unit shall have a permit issued under title V of the Clean Air Act (42 U.S.C. 7661 et seq.) that requires compliance with this section.

(e) COMPLIANCE DETERMINATION AND MONITORING.—

(1) REGULATIONS.—Not later than 2 years after the date of enactment of this Act, the Administrator, in consultation with the Secretary of Energy, shall promulgate methods for determining initial and continuing compliance with this section.

(2) CALCULATION OF MERCURY EMISSION REDUCTIONS.—Not later than 2 years after the date of enactment of this Act, the Administrator shall promulgate fuel sampling techniques and emission monitoring techniques for use by generating units in calculating mercury emission reductions for the purposes of this section.

(3) REPORTING.—

(A) IN GENERAL.—Not less than often than quarterly, the owner or operator of a generating unit shall submit a pollutant-specific emission report for each pollutant covered by this section.

(B) SIGNATURE.—Each report required under subparagraph (A) shall be signed by a responsible official of the generating unit, who shall certify the accuracy of the report.

(C) PUBLIC REPORTING.—The Administrator shall annually make available to the public, through 1 or more published reports and 1 or more forms of electronic media, facility-specific emission data for each generating unit and pollutant covered by this section.

(D) CONSUMER DISCLOSURE.—Not later than 2 years after the date of enactment of this Act, the Administrator shall promulgate regulations requiring each owner or operator of a generating unit to disclose to residential consumers of electricity generated by the unit, on a regular basis (but not less often than annually) and in a manner convenient to the consumers, data concerning the level of emissions by the generating unit of each pollutant covered by this section and each air pollutant covered by section 111 of the Clean Air Act (42 U.S.C. 7411).

(f) DISPOSAL OF MERCURY CAPTURED OR RECOVERED THROUGH EMISSION CONTROLS.—

(1) CAPTURED OR RECOVERED MERCURY.—Not later than 2 years after the date of enactment of this Act, the Administrator shall promulgate regulations to ensure that mercury that is captured or recovered through the use of an emission control, coal cleaning, or another method is disposed of in a manner that ensures that—

(A) the hazards from mercury are not transferred from 1 environmental medium to another; and

(B) there is no release of mercury into the environment.

(2) MERCURY-CONTAINING SLUDGES AND WASTES.—The regulations promulgated by the Administrator under paragraph (1) shall ensure that mercury-containing sludges and

wastes are handled and disposed of in accordance with all applicable Federal and State laws (including regulations).

(g) PUBLIC REPORTING OF FACILITY-SPECIFIC EMISSION DATA.—

(1) IN GENERAL.—The Administrator shall annually make available to the public, through 1 or more published reports and the Internet, facility-specific emission data for each generating unit and for each pollutant covered by this section.

(2) SOURCE OF DATA.—The emission data shall be taken from the emission reports submitted under subsection (e)(3).

**SEC. 6. EXTENSION OF RENEWABLE ENERGY PRODUCTION CREDIT.**

Section 45(c) of the Internal Revenue Code of 1986 (relating to definitions) is amended—

(1) in paragraph (1)—  
(A) in subparagraph (A), by striking “and”;

(B) in subparagraph (B), by striking the period and inserting “, and”;

(C) by adding at the end the following:

“(C) solar power.”;

(2) in paragraph (3)—

(A) by inserting “, and December 31, 1998, in the case of a facility using solar power to produce electricity” after “electricity”; and  
(B) by striking “1999” and inserting “2010”; and

(3) by adding at the end the following:

“(4) SOLAR POWER.—The term ‘solar power’ means solar power harnessed through—

“(A) photovoltaic systems,

“(B) solar boilers that provide process heat, and

“(C) any other means.”.

**SEC. 7. MEGAWATT HOUR GENERATION FEES.**

(a) IN GENERAL.—Chapter 38 of the Internal Revenue Code of 1986 (relating to miscellaneous excise taxes) is amended by inserting after subchapter D the following:

**“Subchapter E—Megawatt Hour Generation Fees**

“Sec. 4691. Imposition of fees.

**“SEC. 4691. IMPOSITION OF FEES.**

“(a) TAX IMPOSED.—There is hereby imposed on each covered fossil fuel-fired generating unit a tax equal to 30 cents per megawatt hour of electricity produced by the covered fossil fuel-fired generating unit.

“(b) ADJUSTMENT OF RATES.—Not less often than once every 2 years beginning after 2002, the Secretary, in consultation with the Administrator of the Environmental Protection Agency, shall evaluate the rate of the tax imposed by subsection (a) and increase the rate if necessary for any succeeding calendar year to ensure that the Clean Air Trust Fund established by section 9511 has sufficient amounts to fully fund the activities described in section 9511(c).

“(c) PAYMENT OF TAX.—The tax imposed by this section shall be paid quarterly by the owner or operator of each covered fossil fuel-fired generating unit.

“(d) COVERED FOSSIL FUEL-FIRED GENERATING UNIT.—The term ‘covered fossil fuel-fired generating unit’ means an electric utility generating unit that—

“(1) is powered by fossil fuels;

“(2) has a generating capacity of 5 or more megawatts; and

“(3) because of the date on which the generating unit commenced commercial operation, is not subject to all regulations promulgated under section 111 of the Clean Air Act (42 U.S.C. 7411).”.

(b) CONFORMING AMENDMENT.—The table of subchapters for such chapter 38 is amended by inserting after the item relating to subchapter D the following:

“SUBCHAPTER E. Megawatt hour generation fees.”.

(c) EFFECTIVE DATE.—The amendments made by this section shall apply to electricity produced in calendar years beginning after December 31, 2000.

**SEC. 8. CLEAN AIR TRUST FUND.**

(a) IN GENERAL.—Subchapter A of chapter 98 of the Internal Revenue Code of 1986 (relating to trust fund code) is amended by adding at the end the following:

**“SEC. 9511. CLEAN AIR TRUST FUND.**

“(a) CREATION OF TRUST FUND.—There is established in the Treasury of the United States a trust fund to be known as the ‘Clean Air Trust Fund’ (hereafter referred to in this section as the ‘Trust Fund’), consisting of such amounts as may be appropriated or credited to the Trust Fund as provided in this section or section 9602(b).

“(b) TRANSFERS TO TRUST FUND.—There are hereby appropriated to the Trust Fund amounts equivalent to the taxes received in the Treasury under section 4691.

“(c) EXPENDITURES FROM TRUST FUND.—Amounts in the Trust Fund shall be available, without further Act of appropriation, upon request by the head of the appropriate Federal agency in such amounts as the agency head determines are necessary—

“(1) to provide funding under section 12 of the Clean Power Plant and Modernization Act of 1999, as in effect on the date of enactment of this section;

“(2) to provide funding for the demonstration program under section 13 of such Act, as so in effect;

“(3) to provide assistance under section 15 of such Act, as so in effect;

“(4) to provide assistance under section 16 of such Act, as so in effect; and

“(5) to provide funding under section 17 of such Act, as so in effect.”.

(b) CONFORMING AMENDMENT.—The table of sections for such subchapter A is amended by adding at the end the following:

“Sec. 9511. Clean Air Trust Fund.”.

**SEC. 9. ACCELERATED DEPRECIATION FOR INVESTOR-OWNED GENERATING UNITS.**

(a) IN GENERAL.—Section 168(e)(3) of the Internal Revenue Code of 1986 (relating to classification of certain property) is amended—

(1) in subparagraph (E) (relating to 15-year property), by striking “and” at the end of clause (ii), by striking the period at the end of clause (iii) and inserting “, and”, and by adding at the end the following:

“(iv) any 45-percent efficient fossil fuel-fired generating unit.”; and

(2) by adding at the end the following:

“(F) 12-YEAR PROPERTY.—The term ‘12-year property’ includes any 50-percent efficient fossil fuel-fired generating unit.”.

(b) DEFINITIONS.—Section 168(i) of the Internal Revenue Code of 1986 (relating to definitions and special rules) is amended by adding at the end the following:

“(15) FOSSIL FUEL-FIRED GENERATING UNITS.—

“(A) 50-PERCENT EFFICIENT FOSSIL FUEL-FIRED GENERATING UNIT.—The term ‘50-percent efficient fossil fuel-fired generating unit’ means any property used in an investor-owned fossil fuel-fired generating unit pursuant to a plan approved by the Secretary, in consultation with the Administrator of the Environmental Protection Agency, to place into service such a unit that is in compliance with sections 4(a)(2) and 5(c) of the Clean Power Plant and Modernization Act of 1999, as in effect on the date of enactment of this paragraph.

“(B) 45-PERCENT EFFICIENT FOSSIL FUEL-FIRED GENERATING UNIT.—The term ‘45-percent efficient fossil fuel-fired generating unit’ means any property used in an investor-owned fossil fuel-fired generating unit pursuant to a plan so approved to place into service such a unit that is in compliance with sections 4(a)(1) and 5(b) of such Act, as so in effect.”.

(c) CONFORMING AMENDMENT.—The table contained in section 168(c) of the Internal

Revenue Code of 1986 (relating to applicable recovery period) is amended by inserting after the item relating to 10-year property the following:

“12-year property ..... 12 years”.

(d) EFFECTIVE DATE.—The amendments made by this section shall apply to property used after the date of enactment of this Act.

**SEC. 10. GRANTS FOR PUBLICLY OWNED GENERATING UNITS.**

Any capital expenditure made after the date of enactment of this Act to purchase, install, and bring into commercial operation any new publicly owned generating unit that—

(1) is in compliance with sections 4(a)(1) and 5(b) shall, for a 15-year period, be eligible for partial reimbursement through annual grants made by the Secretary of the Treasury, in consultation with the Administrator, in an amount equal to the monetary value of the depreciation deduction that would be realized by reason of section 168(c)(3)(E) of the Internal Revenue Code of 1986 by a similarly-situated investor-owned generating unit over that period; and

(2) is in compliance with sections 4(a)(2) and 5(c) shall, over a 12-year period, be eligible for partial reimbursement through annual grants made by the Secretary of the Treasury, in consultation with the Administrator, in an amount equal to the monetary value of the depreciation deduction that would be realized by reason of section 168(c)(3)(D) of such Code by a similarly-situated investor-owned generating unit over that period.

**SEC. 11. RECOGNITION OF PERMANENT EMISSION REDUCTIONS IN FUTURE CLIMATE CHANGE IMPLEMENTATION PROGRAMS.**

It is the sense of Congress that—

(1) permanent reductions in emissions of carbon dioxide and nitrogen oxides that are accomplished through the retirement of old generating units and replacement by new generating units that meet the combustion heat rate efficiency and emission standards specified in this Act, or through replacement of old generating units with nonpolluting renewable power generation technologies, should be credited to the utility sector, and to the owner or operator that retires or replaces the old generating unit, in any climate change implementation program enacted by Congress;

(2) the base year for calculating reductions under a program described in paragraph (1) should be the calendar year preceding the calendar year in which this Act is enacted; and

(3) a reasonable portion of any monetary value that may accrue from the crediting described in paragraph (1) should be passed on to utility customers.

**SEC. 12. RENEWABLE AND CLEAN POWER GENERATION TECHNOLOGIES.**

(a) IN GENERAL.—Under the Renewable Energy and Energy Efficiency Technology Act of 1989 (42 U.S.C. 12001 et seq.), the Secretary of Energy shall fund research and development programs and commercial demonstration projects and partnerships to demonstrate the commercial viability and environmental benefits of electric power generation from—

(1) biomass (excluding unseparated municipal solid waste), geothermal, solar, and wind technologies; and

(2) fuel cells.

(b) TYPES OF PROJECTS.—Demonstration projects may include solar power tower plants, solar dishes and engines, co-firing of biomass with coal, biomass modular systems, next-generation wind turbines and

wind turbine verification projects, geothermal energy conversion, and fuel cells.

(c) AUTHORIZATION OF APPROPRIATIONS.—In addition to amounts made available under any other law, there is authorized to be appropriated to carry out this section \$75,000,000 for each of fiscal years 2001 through 2010.

**SEC. 13. CLEAN COAL, ADVANCED GAS TURBINE, AND COMBINED HEAT AND POWER DEMONSTRATION PROGRAM.**

(a) IN GENERAL.—Under subtitle B of title XXI of the Energy Policy Act of 1992 (42 U.S.C. 13471 et seq.), the Secretary of Energy shall establish a program to fund projects and partnerships designed to demonstrate the efficiency and environmental benefits of electric power generation from—

(1) clean coal technologies, such as pressurized fluidized bed combustion and an integrated gasification combined cycle system;

(2) advanced gas turbine technologies, such as flexible midsize gas turbines and base-load utility scale applications; and

(3) combined heat and power technologies.

(b) SELECTION CRITERIA.—

(1) IN GENERAL.—Not later than 1 year after the date of enactment of this Act, the Secretary of Energy shall promulgate criteria and procedures for selection of demonstration projects and partnerships to be funded under subsection (a).

(2) REQUIRED CRITERIA.—At a minimum, the selection criteria shall include—

(A) the potential of a proposed demonstration project or partnership to reduce or avoid emissions of pollutants covered by section 5 and air pollutants covered by section 111 of the Clean Air Act (42 U.S.C. 7411); and

(B) the potential commercial viability of the proposed demonstration project or partnership.

(c) AUTHORIZATION OF APPROPRIATIONS.—

(1) IN GENERAL.—In addition to amounts made available under any other law, there is authorized to be appropriated to carry out this section \$75,000,000 for each of fiscal years 2001 through 2010.

(2) DISTRIBUTION.—The Secretary shall make reasonable efforts to ensure that, under the program established under this section, the same amount of funding is provided for demonstration projects and partnerships under each of paragraphs (1), (2), and (3) of subsection (a).

**SEC. 14. EVALUATION OF IMPLEMENTATION OF THIS ACT AND OTHER STATUTES.**

(a) IN GENERAL.—Not later than 2 years after the date of enactment of this Act, the Secretary of Energy, in consultation with the Chairman of the Federal Energy Regulatory Commission and the Administrator, shall submit to Congress a report on the implementation of this Act.

(b) IDENTIFICATION OF CONFLICTING LAW.—The report shall identify any provision of the Energy Policy Act of 1992 (Public Law 102-486), the Energy Supply and Environmental Coordination Act of 1974 (15 U.S.C. 791 et seq.), the Public Utility Regulatory Policies Act of 1978 (16 U.S.C. 2601 et seq.), or the Powerplant and Industrial Fuel Use Act of 1978 (42 U.S.C. 8301 et seq.), or the amendments made by those Acts, that conflicts with the intent or efficient implementation of this Act.

(c) RECOMMENDATIONS.—The report shall include recommendations from the Secretary of Energy, the Chairman of the Federal Energy Regulatory Commission, and the Administrator for legislative or administrative measures to harmonize and streamline the statutes specified in subsection (b) and the regulations implementing those statutes.

**SEC. 15. ASSISTANCE FOR WORKERS ADVERSELY AFFECTED BY REDUCED CONSUMPTION OF COAL.**

In addition to amounts made available under any other law, there is authorized to

be appropriated \$75,000,000 for each of fiscal years 2001 through 2015 to provide assistance, under the economic dislocation and worker adjustment assistance program of the Department of Labor authorized by title III of the Job Training Partnership Act (29 U.S.C. 1651 et seq.), to coal industry workers who are terminated from employment as a result of reduced consumption of coal by the electric power generation industry.

**SEC. 16. COMMUNITY ECONOMIC DEVELOPMENT INCENTIVES FOR COMMUNITIES ADVERSELY AFFECTED BY REDUCED CONSUMPTION OF COAL.**

In addition to amounts made available under any other law, there is authorized to be appropriated \$75,000,000 for each of fiscal years 2001 through 2015 to provide assistance, under the economic adjustment program of the Department of Commerce authorized by the Public Works and Economic Development Act of 1965 (42 U.S.C. 3121 et seq.), to assist communities adversely affected by reduced consumption of coal by the electric power generation industry.

**SEC. 17. CARBON SEQUESTRATION.**

(a) **CARBON SEQUESTRATION STRATEGY.**—In addition to amounts made available under any other law, there is authorized to be appropriated to the Environmental Protection Agency and the Department of Energy for each of fiscal years 2001 through 2003 a total of \$15,000,000 to conduct research and development activities in basic and applied science in support of development by September 30, 2003, of a carbon sequestration strategy that is designed to offset all growth in carbon dioxide emissions in the United States after 2010.

(b) **METHODS FOR BIOLOGICALLY SEQUESTERING CARBON DIOXIDE.**—In addition to amounts made available under any other law, there is authorized to be appropriated to the Environmental Protection Agency and the Department of Agriculture for each of fiscal years 2001 through 2010 a total of \$30,000,000 to carry out soil restoration, tree planting, wetland protection, and other methods of biologically sequestering carbon dioxide.

(c) **LIMITATION.**—A project carried out using funds made available under this section shall not be used to offset any emission reduction required under any other provision of this Act.

**THE RUSSIAN LEADERSHIP PROGRAM**

Mr. STEVENS. Mr. President, I am pleased to announce that Congress included \$10 million in the Foreign Operations Appropriations bill to continue the Russian Leadership Program in Fiscal Year 2000.

The Russian Leadership Program was created earlier this year in the FY 1999 supplemental appropriations bill in order to bring emerging Russian leaders to the United States to see first hand how democracy and the American free market economic system function. The program was successful in bringing over 2,100 emerging leaders from 83 of the 89 states and republics in the Russian Federation during July, August, and September of this year. Dr. Billington, the Librarian of Congress, and one of the world's leading historians of Russian culture was asked to administer this program. Our thanks go to Dr. Billington for doing an excellent job implementing this program in a short period of time.

The program was modeled after the Marshall Plan which was implemented after World War II. Between 1946–1956, the U.S. Government brought over 10,000 Germans citizens to the United States to learn ways to rebuild their economy through technical assistance as well as cultural and political contacts. The Marshall Plan was one of the most successful foreign aid programs of the last century.

Similar to the Marshall Plan, participants in the Russian Leadership Program visited more than 400 communities in 46 states and the District of Columbia observing democracy in action at all levels of government. They met and discussed the American system of government with current and former U.S. Presidents, Members of the U.S. Senate and U.S. House, Governors, state legislators, state supreme court justices, mayors, and members of city and town councils.

Some of the participants also campaigned door-to-door with political candidates, visited police and fire stations, met with students in schools, visited hospitals, research facilities, businesses, soup kitchens, shelters and experienced firsthand the partnership among government, and the private sector.

This program was unique because more than 800 American families hosted our Russian visitors, welcoming them into their homes and communities, and spending the time to answer questions about and show our guests the American way of life. Vadim Baikov, one of the six Russians who visited Alaska, the State I represent, wrote after the program that, "In my opinion, the best cultural aspect is that we stayed with the families, because in this way one can actually gain insight of the genuine American lifestyle. I think that is what counts the most."

Organizations such as Rotary International, the United Methodist Church, Freedom Force, and the Church of Jesus Christ of Latter-day Saints played a key role in organizing the participants in the program both in Russia and the United States. In addition to volunteering their time, these families and hosting communities generously supplemented the government's \$10 million appropriations by providing approximately \$1.5 million worth of meals, cultural activities, additional transportation and medical care.

Beyond the strong ties of friendship that developed between guests and hosts, it is clear that the Russian Leadership Program fundamentally changed how these Russian guests see America. They constitute the largest single group ever to travel from Russia to the U.S. They return to Russia with clear ideas and strong commitment to positive change. A mayor from Tomsk spend time with the mayor of Cleveland and said: "If we were to meet more often, there would be more peaceful relations."

The Russian Leadership Program has had a tremendous impact in one year.

It is a good program and I am pleased that we were able to provide the necessary funding to continue this program into the new millenium.

**INTELLECTUAL PROPERTY AND COMMUNICATIONS OMNIBUS REFORM ACT OF 1999**

Mr. SCHUMER. Mr. President, I rise today in support of the revised "Intellectual Property and Communications Omnibus Reform Act of 1999" (H.R. 1554). As a Member of the Judiciary Committee, I am particularly pleased that this legislation includes as Title IV, the "American Inventors Protection Act of 1999." This important patent reform measure includes a series of initiatives intended to protect the rights of inventors, enhance patent protections and reduce patent litigation.

Perhaps most importantly, subtitle C of title IV contains the so-called "First Inventor Defense." This defense provides a first inventor (or "prior user") with a defense in patent infringement lawsuits, whenever an inventor of a business method (i.e., a practice process or system) uses the invention but does not patent it. Currently, patent law does not provide original inventors with any protections when a subsequent user, who patents the method at a later date, files a lawsuit for infringement against the real creator of the invention.

The first inventor defense will provide the financial services industry with important, needed protections in the face of the uncertainty presented by the Federal Circuit's decision in the State Street case. *State Street Bank and Trust Company v. Signature Financial Group, Inc.* 149 F.3d 1368 (Fed. Cir., 1998). In State Street, the Court did away with the so-called "business methods" exception to statutory patentable subject matter. Consequently, this decision has raised questions about what types of business methods may now be eligible for patent protection. In the financial services sector, this has prompted serious legal and practical concerns. It has created doubt regarding whether or not particular business methods used by the industry—including processes, practices, and systems—might now suddenly become subject to new claims under the patent law. In terms of everyday business practice, these types of activities were considered to be protected as trade secrets and were not viewed as patentable material.

The first inventor defense strikes a fair balance between patent and trade secret law. Specifically, this provision creates a defense for inventors who (1) acting in good faith have reduced the subject matter to practice in the United States at least one year prior to the patent filing date ("effective filing date") of another (typically later) inventor; and (2) commercially used the subject matter in the United States before the filing date of the patent. Commercial use does not require that the