Energy Technologies in the Energy Policy Act

Energy Efficiency

Buildings

Building energy efficiency standards.
Residential energy efficiency ratings.
Energy efficient lighting and building centers.
Manufactured housing energy efficiency.
Energy efficient mortgages.
Energy efficient mortgages pilot program.

Utilities

Encouragement of investments in conservation and energy efficiency by electric utilities.
Energy efficient grants to state regulatory authorities.
Tennessee Valley Authority least-cost planning program.
Amendment of Hoover Power Plant Act.
Encouragement of investments in conservation and energy efficiency by gas utilities.

Appliance and Equipment Energy Efficiency Standards

Energy efficiency labeling for windows and window systems.
Energy conservation requirements for certain commercial and industrial equipment.
Energy conservation requirements for certain lamps and plumbing products.
High-intensity discharge lamps, distribution transformers, and small electric motors.
Energy efficiency information for commercial office equipment.
Energy efficiency information on luminares.
Report on the potential of cooperative advanced appliance development.
Evaluation of utility early replacement programs for appliances.

Industrial

Energy efficiency in industrial facilities.
Process-oriented industrial energy efficiency.
Industrial insulation and audit guidelines.

State and Local Assistance

Amendments to State energy conservation program.
Amendments to low-income weatherization program.
Energy Extension Service Program.

Federal Agency Energy Management

Federal energy management amendments.
General Services Administration Federal Buildings Fund.
Report by General Services Administtration.
Energy savings performance contracts.
Intergovernmental energy management planning and coordination.
Federal agency energy management training.
Energy audit teams.
Federal energy cost accounting and management.
Inspector General review and agency accountability.
Procurement and identification of energy efficient products.
Federal energy efficiency funding study.
United States Postal Service energy regulations.
United States Postal Service building energy survey and report.
United States Postal Service energy management report.

Energy management requirements for the United States Postal Service.
Government contract incentives.
Energy management requirements for congressional buildings.

Miscellaneous

Energy information
District heating and cooling programs.
Study and report on vibration reduction technologies.

TITLE II **Natural Gas**
Fewer restrictions on natural gas imports and exports.

TITLE III **Alternative Fuels-General**

Amendments to the Energy Policy and Conservation Act.
Minimum Federal fleet requiremnet.
Refueling
Federal agency promotion, education, and coordination.
Agency incentives program.
Recognition and incentive awards program.
Measurement of alternative fuel use.
Information collection.
General Services Administration report.
United States Postal Service.

TITLE IV **Alternative Fuels--Non-federal Programs**

Truck commercial application program.
Conforming amendments.
Alternative motor fuels amendments.
Vehicular natural gas jurisdiction.
Public information program.
Labeling requirements.

Data acquisition program.
Federal Energy Regulatory Commission authority to approve recovery of certain expenses in advance.
State and local incentives programs.
Alternative fuel bus program.
Certification of training programs.
Alternative fuel use in nonroad vehicles and engines.
Reports to Congress.
Low interest loan program.

TITLE V **Availability and use of replacement fuels, alternative fuels and alternatives fueled private vehicles.**

Mandated for alternative fuel providers.
Replacement fuel supply and demand program.
Replacement fuel demand estimates and supply information.
Modification of goals; additional rulemaking authority.
Voluntary supply commitments.
Technical and policy analysis.
Fleet requirement program.
Credits.
Secretary's recommendations to Congress.
Effect on other laws.
Prohibited acts.
Enforcements.
Powers of the Secretary.
Authorization of appropriations..

TITLE VI **Electric Motor Vehicles**

<u>Electric Motor Vehicle Commercial Demonstration Program</u>

Program and solicitations
Selection of proposals.
Discount payments.
Cost-sharing
Reports to Congress.
Authorization of appropriations.

<u>Electric Motor Vehicle Infrastructure and Support Systems Development Program</u>

General authority.
Proposals.
Protection of Proprietary information.
Compliance with existing law.
Electric utility participation study.
Authorization of appropriations.

TITLE VII **Electricity**

<u>Exempt Wholesale Generators</u>

Public Utility Holding Company Act reform.
State consideration of the effects of power purchases on utility cost of capital; consideration of the effects of leveraged capital structures
on the reliability of wholesale power sellers; and consideration of adequate fuel supplies.
Public utility holding companies to own interests in cogeneration facilities.
Books and records.
Investment in foreign utilities.

Federal Power Act; Interstate Commerce in Electricity

Amendments to section 211 of Federal Power Act.
Transmission Services.
Information requirements.
Sales by exempt wholesale generators.
Penalties.
Definitions.

State and Local Authorities

State authorities

TITLE VIII **High-Level Radioactive Waste**

Nuclear waste disposal.
Office of the Nuclear Waste Negotiator.
Nuclear Waste Management Plan.

TITLE IX **United States Enrichment Corporation**

Establishment of the United States Enrichment Corporation.
Conforming amendments and repealers.
Restriction on nuclear exports.
Severability.

TITLE X **Remedial Action and Uranium Revitalization**

Remedial Action at Active Processing Sites

Remedial action program.
Regulations.
Authorization of appropriations.

Uranium Revitalization

Overfeed Program
National Strategic Uranium Reserve.
Sale of remaining DOE inventories.
Responsibility for the industry.
Annual uranium purchase reports.

Uranium inventory study.
Regulatory treatment of uranium purchases.
Definitions.

Remedial action at Inactive Processing Sites

Uranium Mill Tailings Radiation Control Act Extension.

TITLE XI Uranium enrichment health, safety and Environment Issues

Licensing of AVLIS.

TITLE XII Renewable Energy

Demonstration and commercial application projects for renewable energy and energy efficiency technologies.
Renewable energy export technology training.
Renewable energy advancement awards.
Study of tax and rate treatment of renewable energy projects.
Study of rice milling energy by-product marketing.
Duties of interagency working group on renewable energy and energy efficient exports.
Study of export promotion practices.
Data system and energy technology evaluation.
Outreach.
Innovative renewable energy technology transfer program.
Renewable energy production incentive.

TITLE XIII Coal

Research, Development, Demonstration, and Commercial Application

Coal research, development, demonstration, and commercial application programs.
Coal-fired diesel engines.
Clean coal, waste to energy.
Nonfuel use of coal.
Coal refinery program.
Coalbed methane recovery.
Metallurgical coal development.
Utilization of coal wastes.
Underground coal gastification.
Low-rank coal research and development.
Magnetohydrodynamics.
Oil substitution through coal liquefaction.
Authorization of appropriations.

Clean Coal Technology Program

Additional clean coal technology solicitations.

Other Coal Provisions

Clean coal technology export promotion and interagency coordination.
Innovative clean coal technology transfer program.
Conventional coal technology transfer.
Study of utilization of coal combustion by products.
Calculation of avoided cost.
Coal fuel mixtures.
National clearinghouse.
Coal exports.
Ownership of coalbed methane.
Establishment of data base and study of transportation rates.
Authorization of appropriations.

TITLE XIV Strategic Petroleum Reserve

Drawdown and distribution of the reserve.
Expansion of reserve.
Availability of funding for leasing.
Purchase from stripper well properties.
Redesignation of island states.
Insular areas study.

TITLE XV Octane Display and Disclosure

Certification and Posting of automotive fueling ratings.
Increased authority for enforcement.
Studies.

TITLE XVI Global Climate Change

Report
Least-cost energy strategy.
Director of Climate Protection.
Assessment of alternative policy mechanisms for addressing greenhouse gas emissions.
National inventory and voluntary reporting of greenhouse gases.
Repeal.
Conforming amendment.
Innovative environmental technology transfer program.
Global climate change response fund

TITLE XVII Additional Federal Power Act Provisions

Additional Federal Power Act Provisions.

TITLE XVIII Oil Pipeline Regulatory Reform

Oil Pipeline ratemaking methodology.
Streamlining of Commission procedures.

Protection of certain existing rates.

TITLE XX **General Provisions; Reduction of Oil Vulnerability**

Oil and Gas Supply Enhancement

Enhanced Oil recovery.
Oil shale.
Natural gas supply.
Natural gas end-use technologies.
Midcontinent Energy Research Center.

Oil and Gas Demand Reduction and Substitution

General transportation.
Advanced automotive fuel economy.
Alternative fuel vehicle program.
Biofuels user facility.
Electric motor vehicles and associated equipment research and development.
Renewable hydrogen energy.
Advance diesel emissions program.
Telecommuting study.

TITLE XXI **Energy and Environment**

Improved Energy Efficiency

General improved energy efficiency.
Natural gas and electric heating and cooling technologies.
Pulp and paper.
Advanced buildings for 2005.
Electric drives.
Steel, aluminum, and metal research.
Improving efficiency in energy-intensive industries.
Energy efficient environmental program.

Electricity Generation and Use

Renewable energy.
High efficiency heat engines.
Civilian nuclear waste.
Fusion energy.
Fuel Cells.
Environmental restorations and waste management program.
High-temperature superconductivity program.
Electric and magnetic field research and public information dissemination program.
Spark M. Matsunga Renewable Energy and Ocean Technology Center.

Advance Nuclear Reactors

Purposes and definitions.
Program, goals and plan.
Commercializationof advanced light waterreactor technology.
Prototype demonstration of advanced nuclear reactor technology.
Repeals.
Authorization of appropriations.

TITLE XXII Energy and Economic Growth

National advanced materials initiative.
National advanced manufacturing technologies initiative.
Supporting research and technical analysis.
Math and science education program.
Integration of research and development.
Definitions.

TITLE XXIII Policy and administrative provisions

Policy on major construction projects.
Energy research, development, demonstration, and commercial application advisory board.
Amendments to existing law.
Management plan.
Costs related to decommissioning and the storage and disposal nuclear waste.
Limits on participation by companies.
Uncosted obligations.

TITLE XXIV Non-federal Power Act Hydrpower Provisions

Right of way on certain Federal lands.
Dams in national park system units.
Third party contracting by FERC.
Improvement at existing Federal facilities.
Water conservation and energy production.
Federal projects in the Pacific Northwest.
Certain projects in Alaska.
Projects on fresh waters in state of Hawaii.
Evaluation of development potential.

TITLE XXV Coal, Oil and Gas

Hot dry roack geothermal energy
Hot dry rock geothermal energy in the eastern United States
Coal remining.
Surface mining act implementation
Federal lignate coal royalties.
Acquired Federal land mineral receipts management.
Reserved oil and gas.
Certain outstanding oil and gas.
Federal onshore oil and gas leasing.
Oil place claims.

Health, safety and mining technology research program.
Assistance to small coal operators.
Surface mining regulations.
Amendment to Surface Mining Act.

TITLE XXVI Indian Energy Resources

Definitions
Tribal consultation.
Promoting energy resource development and energy vertical Integration on Indian reservations.
Indian energy resource regulation.
Indian Energy Resource Commission.
Tribal government energy assistance program.

TITLE XXVII Insular areas Energy Security

Insular areas energy assistance program.
Electricity requirements in Trust Territory of the Pacific Islands.
PCB cleanup in Marshall Islamds and Federated States of Micronesia.

TITLE XXVIII Nuclear Plant Licensing

Combined licenses.
Post-construction hearings on combined licenses.
Amendment of a combined license pending a hearing.
Judicial review.
Effect on pending proceedings.
Conforming amendment.

TITLE XXIX Additional Nuclear Energy Provisions

State authority to regulate radiation below level of NRC regulatory concern.
Employee protection for nuclear whistleblowers.
Exemption of certain research and educational licensees from annual charges.
Study and implementation plan on safety of shipments of plutonium by sea.

TITLE XXX Miscellaneous

General Provisions

Research, development, demonstration and commercial application activities.
Cost sharing.

Other Miscellaneous Provisions

Powerplant and Industrial Fuel Use Act of 1978 repeal.
Alaska natural Gas transportation Act of 1976 repeal.

Geothermal heat pumps.
Use of energy futures for fuel purchases.
Energy subsidy study.
Tar sands.
Amendments to title 11 of the United States Code.
Radiation exposure compensation.
Strategic diversification.
Consultative Commission on Western Hemisphere Energy and Environment.
Disadvantaged business enterprises.