<u>Pages</u>	Contents
Pg-1	Sec. 1. Short Title; Table of Contents.
Pg-6	Sec. 2. Definition of Secretary
Pg-7	Title I-CLEAN ENERGY TECHNOLOGY DEPLOYMENT
Pg-7	Subtitle A-Clean Energy Financing
Pg-7	Sec. 101. Purpose.
Pg-7	Sec. 102. Definitions.
Pg-11	Sec. 103. Improvements to existing programs.
Pg-18	Sec. 104. Energy technology deployment goals.
Pg-20	Sec. 105. Clean Energy Deployment Administration.
Pg-32	Sec. 106. Administration functions.
Pg-43	Sec. 107. Federal Credit Authority.
Pg-49	Sec. 108. General provisions.
Pg-58	Subtitle B-Improved Transmission Siting
Pg-58	Sec. 121. Siting interstate electric transmission facilities.
	Sec. 216. Siting interstate electric transmission facilities.
Pg-92	Subtitle C-Federal Renewable Electricity Standard
Pg-92	Sec. 131. Sense of Congress on renewable energy and energy efficiency.
Pg-92	Sec. 132. Federal renewable electricity standard.
	Sec. 610. Federal renewable electricity standard.
Pg-124	Sec. 133. Federal purchase requirement and amendments.
Pg-133	Subtitle D-Energy and Water Integration
Pg-133	Sec. 141. Energy water nexus study.
Pg-139	Sec. 142. Power plant water and energy efficiency.
Pg-141	Sec. 143. Reclamation water conservation and energy savings study.
Pg-143	Sec. 144. Brackish groundwater national desalination research facility.
Pg-146	Sec. 145. Enhanced information on water-related energy consumption.
Pg-147	Sec. 146. Energy-Water Research and Development Roadmap.
Pg-148	Sec. 147. Energy-water clean technology grant program.
Pg-151	Sec. 148. Rural water utilities energy and water efficiency program.
Pg-152	Sec. 149. Comprehensive water use and energy savings study.
Pg-155	Subtitle E-Vehicle Technology Deployment
Pg-155	Sec. 151. Transportation roadmap study.
Pg-158	Sec. 152. Vehicle technology and recharging infrastructure.
Pg-169	Sec. 153. Electric drive transportation standardization.
Pg-171	Sec. 154. Pilot program for plug-in electric drive vehicles for Federal fleet.
Pg-172	Sec. 155. Study of end-of-useful life options for motor vehicle batteries.
Pg-173	Title II-ENHANCED ENERGY EFFICIENCY
Pg-173	Subtitle A-Manufacturing Energy Efficiency
Pg-173	Sec. 201. State partnership industrial energy efficiency revolving loan
	program.
Pg-178	Sec. 202. Coordination of research and development of energy efficient
	technologies for industry.
Pg-179	Sec. 203. Energy efficient technologies assessment.

Pg-180	Sec. 204. Future of Industry program.
Pg-187	Sec. 205. Sustainable manufacturing initiative.
	Sec. 376. Sustainable manufacturing initiative.
Pg-189	Sec. 206. Innovation in industry grants.
Pg-191	Sec. 207. Study of advanced energy technology manufacturing capabilities
	in the United States.
Pg-193	Sec. 208. Industrial Technologies steering committee.
Pg-193	Sec. 209. Authorization of appropriations.
Pg-193	Subtitle B-Improved Efficiency in Appliances and Equipment
Pg-193	Sec. 221. Test procedure petition process.
Pg-199	Sec. 222. Energy Star program.
Pg-203	Sec. 223. Petition for amended standards.
Pg-204	Sec. 224. Portable light fixtures.
Pg-213	Sec. 225. GU-24 base lamps.
Pg-215	Sec. 226. Standards for certain incandescent reflector lamps and reflector
	lamps.
Pg-216	Sec. 227. Standards for commercial furnaces.
Pg-217	Sec. 228. Motor efficiency rebate program.
	Sec. 347. Motor efficiency rebate program.
Pg-220	Sec. 229. Study of compliance with energy standards for appliances.
Pg-221	Sec. 230. Study of direct current electricity supply in certain buildings.
Pg-222	Sec. 231. Motor market assessment and commercial awareness program.
Pg-225	Sec. 232. Study regarding Energy Superstar concept.
Pg-228	Sec. 233. Technical amendment.
Pg-228	Subtitle C- Building Efficiency
Pg-228	Part I-Building Codes
Pg-228	Sec. 241. Greater energy efficiency in building codes.
	Sec. 304. Updating State Building Energy Efficiency Codes.
Pg-246	Sec. 242. Multifamily and Manufactured Housing Energy Efficiency Grant
	Program.
Pg-249	Sec. 243. Building training and assessment centers.
Pg-251	Part II-Weatherization Assistance for Low-Income Persons
Pg-251	Sec. 251. Weatherization assistance for low-income persons.
Pg-252	Part III-State Energy Program
Pg-252	Sec. 255. State Energy Program.
Pg-252	Part IV-State Energy Efficiency Grants Program
Pg-252	Sec. 261. Definitions.
Pg-255	Sec. 262. State energy efficiency retrofit program
Pg-267	Sec. 263. Administrative and technical support.
	Sec. 264. Regulations.
Pg-267	· · · · · · · · · · · · · · · · · · ·
Pg-267 Pg-267	Sec. 265. Funding.
Pg-267 Pg-267 Pg-268	Sec. 265. Funding. Sec. 266. Home Energy Retrofit Finance Program.
Pg-267 Pg-267	Sec. 265. Funding.

Pg-274	Sec. 272. Competition requirements for task or delivery orders under
	energy savings performance contracts.
Pg-277	Sec. 273. Funding flexibility.
Pg-278	Sec. 274. Definition of energy savings.
Pg-278	Sec. 275. National energy efficiency improvement goals.
Pg-280	Sec. 276. Energy sustainability and efficiency grants and loans for
	institutions.
Pg-281	Sec. 277. Federal implementation strategy for energy-efficient information and communications technologies.
Pg-284	Sec. 278. Incentives for Federal agencies to participate in energy efficiency
rg-204	programs.
Pg-285	Part VI-Energy Efficiency Information on Homes and Buildings
Pg-285	Sec. 281. Building energy performance information program.
Pg-296	Sec. 282. Evaluation, measurement, and verification of energy savings.
Pg-299	Part VII-Residential High Performance Zero-Net-Energy
	Buildings Initiative
Pg-299	Sec. 291. Residential High performance zero-net-energy buildings
	initiative.
Pg-304	Subtitle D-Electric Grid
Pg-304	Sec. 295. National electric system efficiency and peak demand reduction
	goal.
Pg-312	Sec. 296. Uniform national standards for interconnection of certain small
Pg-313	power production facilities.
	Sec. 118. Interconnection of certain small power production facilities.
Pg-316	Title III-IMPROVED ENERGY SECURITY
Pg-316	Subtitle A-Cyber Security of the Electric Transmission Grid
Pg-316	Sec. 301. Critical electric infrastructure.
	Sec. 224. Critical electric infrastructure.
Pg-323	Subtitle B-Nuclear Energy
Pg-323	Sec. 311. National Commission on Nuclear Waste.
Pg-323	Title VI-NATIONAL COMMISSION ON NUCLEAR WASTE
Pg-323	Sec. 601. Helium gas resource assessment.
Pg-324	Sec. 602. Potash mineral resource assessment.
Pg-324	Sec. 603. Better energy strategy for tomorrow.
Pg-325	Sec. 604. Addressing climate change in China and India.
Pg-331	Sec. 605. Carbon leakage mitigation study.
Pg-333	Sec. 606. Study of foreign fuel subsidies.
Pg-333	Sec. 607. Assessment of renewable energy resources.
Pg-334	Sec. 608. Efficiency review of electric generation facilities.
Pg-334	Sec. 312. Sense of Congress regarding the strategic role of nuclear energy.
Pg-336	Sec. 313. Advanced fuel recycling process development.
Pg-340	Subtitle C-Improving United States Strategic Reserves
Pg-340	Sec. 321. Petroleum product reserve.
	Sec. 155. Plan

Pg-344	Sec. 322. Petroleum exchange authority.
Pg-346	Subtitle D-Federal Oil and Gas Development
Pg-346	Part I-Oil and Gas Leasing
Pg-346	Sec. 331. Oil and Gas Permit Processing Improvement Fund.
Pg-347	Sec. 332. Facilitation of coproduction of geothermal energy on oil and gas
	leases.
Pg-348	Part II-Outer Continental Shelf
Pg-348	Sec. 341. Implementation of inventory of outer Continental Shelf
	resources.
Pg-353	Sec. 342. Alaska OCS permit processing coordination office.
Pg-356	Sec. 343. Moratorium of oil and gas leasing in certain areas of the Gulf of
	Mexico.
Pg-359	Sec. 344. Repeal of outer Continental Shelf deep water and deep gas
	royalty relief.
Pg-359	Part III-Miscellaneous
Pg-359	Sec. 351. Minerals Management Service.
	Sec. 310. Minerals Management Service.
Pg-360	Sec. 352. Preservation of geological and geophysical data.
Pg-360	Sec. 353. Alaska natural gas pipeline.
Pg-362	Sec. 354. Denali National Park and Preserve natural gas pipeline.
Pg-364	Sec. 355. Exemption of trans-Alaska oil pipeline system from certain
	requirements.
	Sec. 208. Exemption of trans-Alaska oil pipeline system from certain
	requirements.
Pg-365	Sec. 356. Procurement and acquisition of alternative fuels.
	Sec. 526. Procurement and acquisition of alternative fuels.
Pg-367	Sec. 357. Geologic Materials Archiving Grant Program.
Pg-369	Subtitle E-Public Land Renewable Energy Deployment
Pg-369	Sec. 361. Renewable energy Federal permit coordination.
Pg-373	Sec. 362. Extension of funding for implementation of Geothermal Steam
	Act of 1970.
Pg-374	Sec. 363. Programmatic environmental impact statements and land use
	planning.
Pg-376	Sec. 364. Report.
Pg-380	Sec. 365. Renewable energy development on brownfield sites
Pg-382	Sec. 366. Development of solar and wind energy on public land.
Pg-392	Subtitle F-Carbon Capture
Pg-392	Sec. 371. Large-scale carbon storage program.
	Sec. 963A. Large-scale carbon storage program.
Pg-405	Sec. 372. Training program for State agencies.
Pg-406	Subtitle G-Island Energy
Pg-406	Sec. 381. Affiliated island energy independence team.

Pg-411	Title IV-ENERGY INNOVATION AND WORKFORCE DEVELOPMENT
Pg-411	Subtitle A-Funding
Pg-411	Sec. 401. Authorization of appropriations for energy research,
	development, demonstration, and commercial application activities.
Pg-414	Subtitle B-Grand Energy Challenges Research Initiative
Pg-414	Sec. 411. Grand Energy Challenges Research Initiative.
Pg-417	Subtitle C- Improvements to Existing Energy Research and
8	Development Programs
Pg-417	Sec. 421. Advanced Research Projects Agency-Energy.
Pg-419	Sec. 422. Domestic vehicle battery manufacturing research.
Pg-421	Sec. 423. Lightweight materials research and development.
Pg-421	Sec. 424. Amendments to the Methane Hydrate Research and Development
· ·	Act of 2000.
Pg-424	Sec. 7. Authorization of Appropriations.
Pg-425	Sec. 425. Program to exploit low-BTU gas and conserve helium resources.
Pg-427	Sec. 426. Office of Arctic Energy.
	Sec. 218. Office of Arctic Energy.
Pg-429	Sec. 427. Ultra-deepwater and unconventional natural gas and other
	petroleum resources program.
Pg-431	Subtitle D- Energy Workforce Development
Pg-431	Sec. 431. Best practices for energy career academies.
Pg-432	Sec. 432. Energy career academies.
Pg-437	Sec. 433. Energy utility trades program for community colleges.
	Sec. 5006. Energy utility trades program for community colleges.
Pg-440	Sec. 434. Student awareness of energy career opportunities.
Pg-442	Sec. 435. Coordination of energy workforce training programs.
Pg-442	Sec. 436. Direct hire authority.
Pg-443	Sec. 437. Critical pay authority.
Pg-445	Sec. 438. Reemployment of civilian retirees.
Pg-446	Sec. 439. Sustainable energy training program for community colleges.
Pg-448	Subtitle E- Strengthening Education and Training in the Subsurface
	Geosciences and Engineering for Energy Department.
Pg-448	Sec. 451. Definitions.
Pg-451	Sec. 452. Policy.
Pg-452	Sec. 453. Research personnel and programs.
Pg-454	Sec. 454. Scholarships and fellowships.
Pg-457	Sec. 455. Career technical and community college education.
Pg-460	Sec. 456. Use of funds by institutions.
Pg-463	Sec. 457. Advisory Committee.
Pg-469	Sec. 458. Office; regulations.
Pg-469	Sec. 459. Authorization of appropriations.

Page Guide for S.1462

(As placed on the Senate Legislative Calendar)

Pg-469	Sec. 460. Study of availability of skilled workers.
Pg-470	Sec. 1830. Study of availability of skilled workers.
Pg-471	Subtitle F-Miscellaneous
Pg-471	Sec. 471. Other transactions authority.
Pg-476	Sec. 472. Definition of National Laboratory.
Pg-476	Sec. 473. Protection of results.
Pg-477	Sec. 474. Marine and hydrokinetic renewable energy research and
	development.
Pg-482	Title V-ENERGY MARKETS
Pg-482	Sec. 501. Enhanced information on critical energy supplies.
Pg-486	Sec. 502. Working Group on Energy Markets.
Pg-488	Sec. 503. Study of regulatory framework for energy markets.
Pg-490	Sec. 504. Metadata formats for energy prices.
Pg-492	Sec. 505. Emergency orders under the Federal Power Act.
Pg-494	Sec. 506. Cease-and-desist authority under the Federal Power Act.
Pg-498	Sec. 507. Cease-and-desist authority under the Natural Gas Act.
	Sec. 4A. Prohibition On Market Manipulation.
Pg-502	Sec. 508. De novo review of civil penalties under the Natural Gas Act.
Pg-503	Title VI-POLICY STUDIES AND REPORTS
Pg-503	Sec. 601. Helium gas resource assessment.
Pg-504	Sec. 602. Potash mineral resource assessment.
Pg-505	Sec. 603. Better energy strategy for tomorrow.
Pg-508	Sec. 803. Authorization of appropriations.
Pg-508	Sec. 604. Addressing climate change in China and India.
Pg-514	Sec. 605. Carbon leakage mitigation study.
Pg-519	Sec. 606. Study of foreign fuel subsidies.
Pg-520	Sec. 607. Assessment of renewable energy resources.
Pg-521	Sec. 608. Efficiency review of electric generation facilities.
Pg-525	Sec. 609. Report on emissions of alternative transportation fuels.
Pg-527	Sec. 610. Oil savings.