

(c) Accelerated program plan

Within 180 days after October 24, 1992, the Secretary shall prepare and submit to the Congress a plan for carrying out under this section the accelerated field testing of technologies to achieve the priorities stated in subsection (b). In preparing the plan, the Secretary shall consult with appropriate representatives of industry, institutions of higher education, Federal agencies, including national laboratories, and professional and technical societies, and with the Advisory Board established under section 13522 of this title.

(d) Proposals

Within 1 year after October 24, 1992, the Secretary shall solicit proposals for conducting activities under this section.

(e) Consultation

In carrying out the provisions of this section, the Secretary shall consult representatives of the oil and gas industry with respect to innovative research and development proposals to improve oil and gas recovery and shall consider relevant technical data from industry and other research and information centers and institutes.

(f) Authorization of appropriations

There are authorized to be appropriated to the Secretary for carrying out this section, including advanced extraction and process technology, \$57,250,000 for fiscal year 1993 and \$70,000,000 for fiscal year 1994.

(Pub. L. 102-486, title XX, §2011, Oct. 24, 1992, 106 Stat. 3057.)

§ 13412. Oil shale**(a) Program direction**

The Secretary shall conduct a 5-year program, in accordance with sections 13541 and 13542 of this title, on oil shale extraction and conversion, including research and development on both eastern and western shales, as provided in this section.

(b) Program goals

The goals of the program established under this section include—

- (1) supporting the development of economically competitive and environmentally acceptable technologies to produce domestic supplies of liquid fuels from oil shale;
- (2) increasing knowledge of environmentally acceptable oil shale waste disposal technologies and practices;
- (3) increasing knowledge of the chemistry and kinetics of oil shale retorting;
- (4) increasing understanding of engineering issues concerning the design and scale-up of oil shale extraction and conversion technologies;
- (5) improving techniques for oil shale mining systems; and
- (6) providing for cooperation with universities and other private sector entities.

(c) Eastern oil shale program

(1) As part of the program authorized by this section, the Secretary shall carry out a program on oil shale that includes applied research, in

cooperation with universities and the private sector, on eastern oil shale that may have the potential to decrease United States dependence on energy imports.

(2) As part of the program authorized by this subsection, the Secretary shall consider the potential benefits of including in that program applied research carried out in cooperation with universities and other private sector entities that are, as of October 24, 1992, engaged in research on eastern oil shale retorting and associated processes.

(3) The program carried out under this subsection shall be cost-shared with universities and the private sector to the maximum extent possible.

(d) Western oil shale program

As part of the program authorized by this section, the Secretary shall carry out a program on extracting oil from western oil shales that includes, if appropriate, establishment and utilization of at least one field testing center for the purpose of testing, evaluating, and developing improvements in oil shale technology at the field test level. In establishing such a center, the Secretary shall consider sites with existing oil shale mining and processing infrastructure and facilities. Sixty days prior to establishing any such field testing center, the Secretary shall submit a report to Congress on the center to be established.

(e) Authorization of appropriations

There are authorized to be appropriated to the Secretary for carrying out this section \$5,250,000 for fiscal year 1993 and \$6,000,000 for fiscal year 1994.

(Pub. L. 102-486, title XX, §2012, Oct. 24, 1992, 106 Stat. 3058.)

§ 13413. Natural gas supply**(a) Program direction**

The Secretary shall conduct a 5-year program, in accordance with sections 13541 and 13542 of this title, to increase the recoverable natural gas resource base including, but not limited to—

- (1) more intensive recovery of natural gas from discovered conventional resources;
- (2) the extraction of natural gas from tight gas sands and Devonian shales or other unconventional sources;
- (3) surface gasification of coal; and
- (4) recovery of methane from biofuels including municipal solid waste.

(b) Proposals

Within 1 year after October 24, 1992, the Secretary shall solicit proposals for conducting activities under this section.

(c) Cofiring of natural gas and coal**(1) Program**

The Secretary shall establish and carry out a 5-year program, in accordance with sections 13541 and 13542 of this title, on cofiring natural gas with coal in utility and large industrial boilers in order to determine optimal natural gas injection levels for both environmental and operational benefits.

(2) Financial assistance

The Secretary shall enter into agreements with, and provide financial assistance to, ap-

appropriate parties for application of cofiring technologies to boilers to demonstrate this technology.

(3) Report to Congress

The Secretary shall, before December 31, 1995, submit to the Congress a report on the progress made in carrying out this subsection.

(d) Authorization of appropriations

There are authorized to be appropriated to the Secretary for carrying out this section and sections 13414 and 13415 of this title, \$29,745,000 for fiscal year 1993 and \$45,000,000 for fiscal year 1994.

(Pub. L. 102-486, title XX, § 2013, Oct. 24, 1992, 106 Stat. 3059.)

Executive Documents

EX. ORD. NO. 13605. SUPPORTING SAFE AND RESPONSIBLE DEVELOPMENT OF UNCONVENTIONAL DOMESTIC NATURAL GAS RESOURCES

Ex. Ord. No. 13605, Apr. 13, 2012, 77 F.R. 23107, provided:

By the authority vested in me as President by the Constitution and the laws of the United States of America, and in order to coordinate the efforts of Federal agencies responsible for overseeing the safe and responsible development of unconventional domestic natural gas resources and associated infrastructure and to help reduce our dependence on oil, it is hereby ordered as follows:

SECTION 1. Policy. In 2011, natural gas provided 25 percent of the energy consumed in the United States. Its production creates jobs and provides economic benefits to the entire domestic production supply chain, as well as to chemical and other manufacturers, who benefit from lower feedstock and energy costs. By helping to power our transportation system, greater use of natural gas can also reduce our dependence on oil. And with appropriate safeguards, natural gas can provide a cleaner source of energy than other fossil fuels.

For these reasons, it is vital that we take full advantage of our natural gas resources, while giving American families and communities confidence that natural and cultural resources, air and water quality, and public health and safety will not be compromised.

While natural gas production is carried out by private firms, and States are the primary regulators of on-shore oil and gas activities, the Federal Government has an important role to play by regulating oil and gas activities on public and Indian trust lands, encouraging greater use of natural gas in transportation, supporting research and development aimed at improving the safety of natural gas development and transportation activities, and setting sensible, cost-effective public health and environmental standards to implement Federal law and augment State safeguards.

Because efforts to promote safe, responsible, and efficient development of unconventional domestic natural gas resources are underway at a number of executive departments and agencies (agencies), close interagency coordination is important for effective implementation of these programs and activities. To formalize and promote ongoing interagency coordination, this order establishes a high-level, interagency working group that will facilitate coordinated Administration policy efforts to support safe and responsible unconventional domestic natural gas development.

SEC. 2. Interagency Working Group to Support Safe and Responsible Development of Unconventional Domestic Natural Gas Resources. There is established an Interagency Working Group to Support Safe and Responsible Development of Unconventional Domestic Natural Gas Resources (Working Group), to be chaired by the Director of the Domestic Policy Council, or a designated representative.

(a) *Membership.* In addition to the Chair, the Working Group shall include deputy-level representatives or equivalent officials, designated by the head of the respective agency or office, from:

- (i) the Department of Defense;
- (ii) the Department of the Interior;
- (iii) the Department of Agriculture;
- (iv) the Department of Commerce;
- (v) the Department of Health and Human Services;
- (vi) the Department of Transportation;
- (vii) the Department of Energy;
- (viii) the Department of Homeland Security;
- (ix) the Environmental Protection Agency;
- (x) the Council on Environmental Quality;
- (xi) the Office of Science and Technology Policy;
- (xii) the Office of Management and Budget;
- (xiii) the National Economic Council; and
- (xiv) such other agencies or offices as the Chair may invite to participate.

(b) *Functions.* Consistent with the authorities and responsibilities of participating agencies and offices, the Working Group shall support the safe and responsible production of domestic unconventional natural gas by performing the following functions:

- (i) coordinate agency policy activities, ensuring their efficient and effective operation and facilitating cooperation among agencies, as appropriate;
- (ii) coordinate among agencies the sharing of scientific, environmental, and related technical and economic information;
- (iii) engage in long-term planning and ensure coordination among the appropriate Federal entities with respect to such issues as research, natural resource assessment, and the development of infrastructure;
- (iv) promote interagency communication with stakeholders; and
- (v) consult with other agencies and offices as appropriate.

SEC. 3. General Provisions. (a) This order shall be implemented consistent with applicable law and subject to the availability of appropriations.

(b) Nothing in this order shall be construed to impair or otherwise affect:

- (i) the authority granted by law to an executive department, agency, or the head thereof; or
- (ii) the functions of the Director of the Office of Management and Budget relating to budgetary, administrative, or legislative proposals.

(c) This order is not intended to, and does not, create any right or benefit, substantive or procedural, enforceable at law or in equity by any party against the United States, its departments, agencies, or entities, its officers, employees, or agents, or any other person.

BARACK OBAMA.

§ 13414. Natural gas end-use technologies

The Secretary shall carry out a 5-year program, in accordance with sections 13541 and 13542 of this title, on new and advanced natural gas utilization technologies including, but not limited to—

- (1) stationary source emissions control and efficiency improvements including combustion systems, industrial processes, cogeneration, and waste fuels; and
- (2) natural gas storage including increased deliverability from existing gas storage facilities and new capabilities for storage near demand centers, and on-site storage at major energy consuming facilities.

(Pub. L. 102-486, title XX, § 2014, Oct. 24, 1992, 106 Stat. 3060.)

§ 13415. Midcontinent Energy Research Center

(a) Finding

Congress finds that petroleum resources in the midcontinent region of the United States are very large but are being prematurely abandoned.