

fluids artificially introduced into geothermal formations; (iii) heat or other associated energy found in geothermal formations; and (iv) any byproduct derived from them;

(d) “byproduct” means any mineral or minerals (exclusive of oil, hydrocarbon gas, and helium) which are found in solution or in association with geothermal steam and which have a value of less than 75 per centum of the value of the geothermal steam or are not, because of quantity, quality, or technical difficulties in extraction and production, of sufficient value to warrant extraction and production by themselves;

(e) “known geothermal resources area” means an area in which the geology, nearby discoveries, competitive interests, or other indicia would, in the opinion of the Secretary, engender a belief in men who are experienced in the subject matter that the prospects for extraction of geothermal steam or associated geothermal resources are good enough to warrant expenditures of money for that purpose.

(f) “Significant<sup>1</sup> thermal features within units of the National Park System” shall include, but not be limited to, the following:

(1) Thermal features within units of the National Park System listed in Section<sup>1</sup> 1026(a)(1) of this title and designated as significant in the Federal Register notice of August 3, 1987 (Vol. 52, No. 148 Fed. Reg. 28790).

(2) Crater Lake National Park.

(3) Thermal features within Big Bend National Park and Lake Mead National Recreation Area proposed as significant in the Federal Register notice of February 13, 1987 (Vol. 52, No. 30 Fed. Reg. 4700).

(4) Thermal features within units of the National Park System added to the significant thermal features list pursuant to section 1026(a)(2) of this title.

(g) “direct use” means utilization of geothermal resources for commercial, residential, agricultural, public facilities, or other energy needs other than the commercial production of electricity; and<sup>2</sup>

(Pub. L. 91–581, §2, Dec. 24, 1970, 84 Stat. 1566; Pub. L. 100–443, §2(a), Sept. 22, 1988, 102 Stat. 1766; Pub. L. 109–58, title II, §236(1), (2), (5), Aug. 8, 2005, 119 Stat. 671.)

#### AMENDMENTS

2005—Pub. L. 109–58, §236(5), inserted section catchline.

Par. (c). Pub. L. 109–58, §236(1), substituted “geothermal resources” for “geothermal steam and associated geothermal resources”.

Par. (g). Pub. L. 109–58, §236(2), added par. (g).

1988—Par. (f). Pub. L. 100–443 added par. (f).

#### SHORT TITLE OF 2005 AMENDMENT

Pub. L. 109–58, title II, §221, Aug. 8, 2005, 119 Stat. 660, provided that: “This subtitle [subtitle B (§§221–237) of title II of Pub. L. 109–58, enacting part B (§15871 et seq.) of subchapter II of chapter 149 of Title 42, The Public Health and Welfare, amending this section and sections 530 and 1002 to 1027 of this title, enacting provisions set

out as notes under section 1004 of this title, and amending provisions set out as a note under this section] may be cited as the ‘John Rishel Geothermal Steam Act Amendments of 2005.’”

#### SHORT TITLE OF 1988 AMENDMENT

Pub. L. 100–443, §1, Sept. 22, 1988, 102 Stat. 1766, provided that: “This Act [enacting sections 1026 and 1027 of this title, amending this section and sections 191, 226–3, 1005, 1017, and 1019 of this title, and enacting provisions set out as notes under sections 1005 and 1026 of this title] may be known as the ‘Geothermal Steam Act Amendments of 1988.’”

#### SHORT TITLE

Pub. L. 91–581, §1, Dec. 24, 1970, 84 Stat. 1566, as amended by Pub. L. 109–58, title II, §236(4), Aug. 8, 2005, 119 Stat. 671, provided that: “This Act [enacting this chapter and amending section 530 of this title] may be cited as the ‘Geothermal Steam Act of 1970.’”

### § 1002. Lands subject to geothermal leasing

Subject to the provisions of section 1014 of this title, the Secretary of the Interior may issue leases for the development and utilization of geothermal resources (1) in lands administered by him, including public, withdrawn, and acquired lands, (2) in any national forest or other lands administered by the Department of Agriculture through the Forest Service, including public, withdrawn, and acquired lands, and (3) in lands which have been conveyed by the United States subject to a reservation to the United States of the geothermal resources therein.

(Pub. L. 91–581, §3, Dec. 24, 1970, 84 Stat. 1566; Pub. L. 109–58, title II, §236(1), (6), Aug. 8, 2005, 119 Stat. 671, 672.)

#### AMENDMENTS

2005—Pub. L. 109–58 inserted section catchline and substituted “geothermal resources” for “geothermal steam and associated geothermal resources” in two places in text.

### § 1002a. Repealed. Pub. L. 97–214, §7(16), July 12, 1982, 96 Stat. 174

Section, Pub. L. 95–356, title VIII, §803(a), (b), Sept. 8, 1978, 92 Stat. 585; Pub. L. 96–125, title VIII, §802(2), Nov. 26, 1979, 93 Stat. 948; Pub. L. 97–99, title IX, §908, Dec. 23, 1981, 95 Stat. 1385, related to development of geothermal energy sources on military lands, contracts for provision and operation of production facilities and energy purchases, and terms, conditions and prerequisites of such contracts. See sections 2917 and 2922a of Title 10, Armed Forces.

Pub. L. 95–356, title VIII, §803(c), Sept. 8, 1978, 92 Stat. 585, which provided that this section take effect Oct. 1, 1978, was repealed by Pub. L. 97–214, §7(16), July 12, 1982, 96 Stat. 174.

#### EFFECTIVE DATE OF REPEAL

Repeal effective Oct. 1, 1982, and applicable to military construction projects, and to construction and acquisition of military family housing before, on, or after such date, see section 12(a) of Pub. L. 97–214, set out as an Effective Date note under section 2801 of Title 10, Armed Forces.

### § 1003. Leasing procedures

#### (a) Nominations

The Secretary shall accept nominations of land to be leased at any time from qualified companies and individuals under this chapter.

<sup>1</sup> So in original. Probably should not be capitalized.

<sup>2</sup> So in original. Probably should end with a period instead of “; and”.

**(b) Competitive lease sale required****(1) In general**

Except as otherwise specifically provided by this chapter, all land to be leased that is not subject to leasing under subsection (c) shall be leased as provided in this subsection to the highest responsible qualified bidder, as determined by the Secretary.

**(2) Competitive lease sales**

The Secretary shall hold a competitive lease sale at least once every 2 years for land in a State that has nominations pending under subsection (a) if the land is otherwise available for leasing.

**(3) Lands subject to mining claims**

Lands that are subject to a mining claim for which a plan of operations has been approved by the relevant Federal land management agency may be available for noncompetitive leasing under this section to the mining claim holder.

**(c) Noncompetitive leasing**

The Secretary shall make available for a period of 2 years for noncompetitive leasing any tract for which a competitive lease sale is held, but for which the Secretary does not receive any bids in a competitive lease sale.

**(d) Pending lease applications****(1) In general**

It shall be a priority for the Secretary, and for the Secretary of Agriculture with respect to National Forest Systems land, to ensure timely completion of administrative actions, including amendments to applicable forest plans and resource management plans, necessary to process applications for geothermal leasing pending on August 8, 2005.<sup>1</sup> All future forest plans and resource management plans for areas with high geothermal resource potential shall consider geothermal leasing and development.

**(2) Administration**

An application described in paragraph (1) and any lease issued pursuant to the application—

(A) except as provided in subparagraph (B), shall be subject to this section as in effect on the day before August 8, 2005; or

(B) at the election of the applicant, shall be subject to this section as in effect on August 8, 2005.

**(e) Leases sold as a block**

If information is available to the Secretary indicating a geothermal resource that could be produced as 1 unit can reasonably be expected to underlie more than 1 parcel to be offered in a competitive lease sale, the parcels for such a resource may be offered for bidding as a block in the competitive lease sale.

**(f) Leasing for direct use of geothermal resources**

Notwithstanding subsection (b), the Secretary may identify areas in which the land to be

leased under this chapter exclusively for direct use of geothermal resources, without sale for purposes other than commercial generation of electricity, may be leased to any qualified applicant that first applies for such a lease under regulations issued by the Secretary, if the Secretary—

(1) publishes a notice of the land proposed for leasing not later than 90 days before the date of the issuance of the lease;

(2) does not receive during the 90-day period beginning on the date of the publication any nomination to include the land concerned in the next competitive lease sale; and

(3) determines there is no competitive interest in the geothermal resources in the land to be leased.

**(g) Area subject to lease for direct use****(1) In general**

Subject to paragraph (2), a geothermal lease for the direct use of geothermal resources shall cover not more than the quantity of acreage determined by the Secretary to be reasonably necessary for the proposed use.

**(2) Limitations**

The quantity of acreage covered by the lease shall not exceed the limitations established under section 1006 of this title.

(Pub. L. 91-581, § 4, Dec. 24, 1970, 84 Stat. 1566; Pub. L. 109-58, title II, §§ 222, 223(b), Aug. 8, 2005, 119 Stat. 660, 662.)

## CODIFICATION

August 8, 2005, referred to in subsec. (d)(1), was in the original “the date of enactment of this subsection” which was translated as meaning the date of enactment of Pub. L. 109-58, which amended this section generally, to reflect the probable intent of Congress.

## AMENDMENTS

2005—Pub. L. 109-58, § 222, inserted section catchline and amended text generally. Prior to amendment, text related to competitive bidding requirements, conversion of prior leases to geothermal leases, conflicting land interests, conversion of prior applications, acreage limitation, regulations, and time for payment.

Subsecs. (f), (g). Pub. L. 109-58, § 223(b), added subsecs. (f) and (g).

**§ 1004. Rents and royalties****(a) In general**

Geothermal leases shall provide for—

(1) a royalty on electricity produced using geothermal resources, other than direct use of geothermal resources, that shall be—

(A) not less than 1 percent and not more than 2.5 percent of the gross proceeds from the sale of electricity produced from such resources during the first 10 years of production under the lease; and

(B) not less than 2 and not more than 5 percent of the gross proceeds from the sale of electricity produced from such resources during each year after such 10-year period;

(2) a royalty on any byproduct that is a mineral specified in the first section of the Mineral Leasing Act (30 U.S.C. 181), and that is derived from production under the lease, at the rate of the royalty that applies under that Act

<sup>1</sup> See Codification note below.