

Department of Energy

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(1) Despite good faith efforts the petitioner will be unable to comply with the applicable prohibitions imposed by the Act because the additional capital required for an alternate fuel-capable unit beyond that required for the proposed unit cannot be raised;

(2) The additional capital cannot be raised:

(i) Due to specific restrictions (e.g., covenants on existing bonds) which constrain management's ability to raise debt or equity capital;

(ii) Without a substantial dilution of shareholder equity;

(iii) Without an unreasonably adverse affect on the utility's credit rating; or

(iv) In the case of non-investor-owned public utilities, without jeopardizing the utility's ability to recover its capital investment, through tariffs, without unreasonably adverse economic effect on its service area (such as adverse impacts on local industry or undue hardship to ratepayers).

(3) No alternative power supply exists, as required under §503.8 of these regulations;

(4) Use of mixtures is not feasible, as required under §503.9 of these regulations; and

(5) Alternative sites are not available, as required under §503.11 of these regulations.

(b) *Evidence required in support of a petition.* A petition must include the following evidence in order to make the demonstration required by this section:

(1) Duly executed certifications required under paragraph (a) of this section;

(2) Exhibits containing the basis for the certifications required under paragraph (a) of this section (including those factual and analytical materials deemed by the petitioner to be sufficient to support the granting of this exemption);

(3) Environmental impact analysis, as required under §503.13 of these regulations; and

(4) Fuels search, as required under §503.14 of these regulations.

[46 FR 59903, Dec. 7, 1981, as amended at 47 FR 15315, Apr. 9, 1982; 54 FR 52895, Dec. 22, 1989]

§ 503.36 State or local requirements.

(a) *Eligibility.* Section 212(b) of the Act provides for an exemption due to certain State or local requirements. To qualify a petitioner must certify that:

(1) With respect to the proposed site of the unit, the operation or construction of the new unit using an alternate fuel is infeasible because of a State or local requirement other than a building code, nuisance, or zoning law;

(2) The petitioner has made a good faith effort to obtain a variance from the State or local requirement but has been unable to do so or has demonstrated why none is available;

(3) The granting of the exemption would be in the public interest and would be consistent with the purposes of the Act;

(4) The petitioner is not entitled to an exemption for lack of alternate fuel supply, site limitation, environmental requirements, or inability to obtain adequate capital at the site of the proposed powerplant or at any reasonable alternative site for the alternate fuel(s) considered;

(5) At the proposed site and every reasonable alternative site where the petitioner is not entitled to an exemption for lack of alternate fuel supply, site limitation, environmental requirements, or inability to obtain adequate capital, the petitioner nevertheless would be barred at each such proposed or alternate site from burning an alternate fuel by reason of a State or local requirement;

(6) No alternate power supply exists, as required under §503.8 of these regulations; and

(7) Use of mixtures is not feasible, as required under §503.9 of these regulations.

(b) *Evidence required in support of a petition.* The petition must include the following evidence in order to make the demonstration required by this section:

(1) Duly executed certifications required under paragraph (a) of this section;

(2) Exhibits containing the basis for the certifications required under paragraph (a) of this section (including those factual and analytical materials

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deemed by the petitioner to be sufficient to support the granting of this exemption);

(3) Environmental impact analysis, as required under § 503.13 of these regulations; and

(4) Fuels search, as required under § 503.14 of these regulations.

[46 FR 59903, Dec. 7, 1981; 46 FR 63033, Dec. 30, 1981, as amended at 54 FR 52895, Dec. 22, 1989]

§ 503.37 Cogeneration.

The following table may be used to determine eligibility for a permanent exemption based on oil and natural gas savings.

AVERAGE ANNUAL UTILIZATION OF OIL AND NATURAL GAS FOR ELECTRICITY GENERATION BY STATE

[BTU's per KWH sold]

State name	Oil/gas savings Btu/kWh
Alabama	33
Arizona	802
Arkansas	1,363
California	3,502
Colorado	289
Connecticut	3,924
Delaware	3,478
Washington, DC.	895
Florida	3,177
Georgia	45
Idaho	0
Illinois	250
Indiana	53
Iowa	147
Kansas	686
Kentucky	34
Louisiana	4,189
Maine	2,560
Maryland	895
Massachusetts	5,250
Michigan	256
Minnesota	151
Mississippi	1,519
Missouri	57
Montana	60
Nebraska	139
Nevada	761
New Hampshire	2,695
New Jersey	1,894
New Mexico	1,528
New York	4,219
North Carolina	49
North Dakota	47
Ohio	36
Oklahoma	5,180
Oregon	0
Pennsylvania	771
Rhode Island	1,800
South Carolina	24
South Dakota	36
Tennessee	20
Texas	4,899
Utah	107
Vermont	105

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AVERAGE ANNUAL UTILIZATION OF OIL AND NATURAL GAS FOR ELECTRICITY GENERATION BY STATE—Continued

[BTU's per KWH sold]

State name	Oil/gas savings Btu/kWh
Virginia	460
Washington	3
West Virginia	126
Wisconsin	72
Wyoming	75

Data are based upon 1987 oil, natural gas and electricity statistics published by DOE's Energy Information Administration.

Example: The proposed cogeneration project is to be located in Massachusetts and is to use distillate oil. It will have a capacity of 50 MW, an average annual heat rate of 7600 BTU/KWHR, and be operated at a capacity factor of 90%. The annual fuel consumption is therefore calculated to be 2,996×10⁹ Btu/yr. (50,000 KW×7600 BTU/KWHR×.9×8760 HR/YR) The oil and gas backed off the grid would be calculated to be .2070×10⁹ BTU/YR. (50,000 KW×5250 BTU/KWHR×.9×8760 HR/YR) since the proposed unit would consume more oil that would be "backed off" the grid, the unit would not be eligible for a permanent exemption based on savings of oil and natural gas.

[54 FR 52895, Dec. 22, 1989]

§ 503.38 Permanent exemption for certain fuel mixtures containing natural gas or petroleum.

(a) *Eligibility.* Section 212(d) of the Act provides for a permanent exemption for certain fuel mixtures. To qualify a petitioner must certify that:

(1) The petitioner proposes to use a mixture of natural gas or petroleum and an alternate fuel as a primary energy source;

(2) The amount of petroleum or natural gas proposed to be used in the mixture will not exceed the minimum percentage of the total annual Btu heat input of the primary energy sources needed to maintain operational reliability of the unit consistent with maintaining a reasonable level of fuel efficiency; and

(3) No alternate power supply exists, as required under § 503.8 of these regulations.

(b) *Evidence required in support of a petition.* The petition must include the following evidence in order to make