



U.S. Department of Energy

OAK RIDGE NATIONAL LABORATORY

CHP Subcontractors Coordination Review Meeting

*Analysis of Environmental Regulatory
Barriers and Incentives for CHP*

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Description of Tasks

- Air Quality Permitting Barriers to CHP Development
- CHP Emissions/Credit Calculator
- CHP Permitting and Regulatory Requirements Database
- Environmental Regulatory Analysis on CHP/DG Issues

Air Quality Permitting Barriers

Overview: Research and document air permitting barriers to CHP development. Prepare report documenting the problems and providing recommendations.

Coordination: Work with manufacturers, developers and regulators interested in CHP promotion.

Deliverable: Public report

Progress/Timeline: Draft under internal review.

CHP Emissions/Credit Calculator

Overview: Develop simple but accurate analytical tool to allow calculation of environmental benefits of CHP.

Coordination: Work with developers and regulators/analysts projecting environmental impacts of CHP.

Deliverable: Spreadsheet tool and documentation.

Progress/Timeline: Complete.

CHP Permitting and Regulatory Requirements Database

Overview: Document state by state regulatory requirements for CHP projects. Incorporate into existing DG requirements data base.

Coordination: Work with manufacturers, developers and regulators interested in CHP and promotion.

Deliverable: On-line reference data base integrated into EEA state regulatory database.

Regulatory Database for Small Generators

Work initiated under another ORNL task

Contains state-by-state data on:

Environmental permitting

Building codes

Siting regulations

Exit fees

Reporting requirements

Incentives

Standby rates

CHP incentives added under this task

Available at www.eea-inc.com

Regulatory Requirements Database

Regulatory Requirements Database for Small Electric Generators - Microsoft Internet Explorer

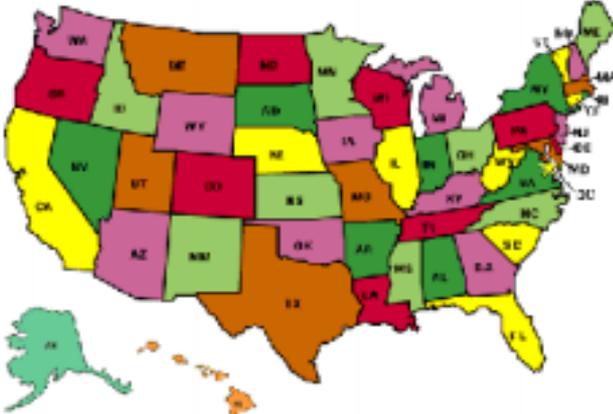
Back Forward Stop Refresh Home Desktop Favorites Media History Mail Print Edit AM

Address: http://www.eepinc.com/ncr/00/reg/reqdb/reqdb.html

Google: Search Web Search Site

Regulatory Requirements Database for Small Electric Generators

Click on any state to access state specific information on DG permitting issues, or click on the state name in the drop box below:



Please Note: The information for this database was obtained through a combination of interviews with state permitting officials and review of state permitting systems. Some information is in early or proposed rulemaking. It is not intended to be a substitute for the information provided by the state permitting agencies. The information is believed to be accurate, always verify information with appropriate regulatory agencies. This site is best viewed with Internet Explorer 5.0.

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Guide to the Database:

- [Click here to view the Database](#)

Specific Issues:

- [EMISSIONS REGULATIONS](#)
- [STATE ENVIRONMENTAL REGULATIONS](#)
- [SITING REGULATIONS](#)
- [DUE DILIGENCE](#)
- [STANDBY BILLS](#)
- [ZONING, ZONING AND FIRE CODES](#)
- [COMMON ISSUES](#)
- [REPORTING REQUIREMENTS](#)
- [ECONOMIC INCENTIVES](#)

Sample State Data Page

The screenshot shows a web browser window titled "EEA Database on State Permitting Issues for DG-New York - Microsoft Internet Explorer". The address bar shows the URL "http://www.emissions.ny.gov/Permitting/Issues/ny.html". The page content includes:

- Navigation:** Home > Select a State > NY
- Logo:** EEA logo on the left and the State of New York seal on the right.
- Section Header:** NEW YORK
- Contact Information:** Division of Air Resources, 625 Broadway, 2nd Floor, Albany, NY 12230-3258, (518) 402-3482, [Overview of Department Website](#)
- Relevant State Agencies:**
 - [New York State Public Service Commission](#)
 - [NY State Board on Electrical Generation Siting and the Environment](#)
 - [New York Air Emissions Regulations](#)
 - [New York State Energy Research and Development Authority \(NYSERDA\)](#)
- Major Utilities:**
- AIR EMISSIONS REGULATIONS:**
 - Air Quality Status:** The state is located in the OTR. There are 10 marginal source areas, 11 small area L areas, 3 moderate source nonattainment areas, and 11 severe source nonattainment areas. Only 1 area is in moderate nonattainment for PM-10.
 - MSR Threshold:** 250 tons of any ozone pollutant or 100 tons of NOx or VOCs, 25 tons of NOx or VOC or 100 tons of PM-10 in nonattainment areas.
 - Minor Source Permitting Exception:** Engines 225 hp and less.
 - Minor Source Exemption:** Coarse, PM-10 and sulfur fuels.
 - Emergency Generation Limits:** Emission limits and PTE based on 500 tons per year.
- DEFINING EXEMPTIONS:** To be exempt from permitting a source must be an engine that is smaller than 225 hp in nonattainment areas and 400 hp in all other areas. Gas turbines less than 10 MWth are also exempt. State notification is not required to take this exemption, however operating and emission records must be kept.
- MINOR SOURCE PERMITTING:**

Environmental Regulatory Analysis

Overview: Ongoing regulatory analysis support on air permitting and air quality issues.

Coordination: Work with manufacturers, developers and regulators interested in CHP promotion.

Deliverable: Limited availability white papers and analyses.

Timeline: Ongoing

Regulatory Support Activities

- Coordination with state agencies on DG/CHP regulations.
- Coordination with EPA and states on other DG issues.
- Response to DOE on environmental regulatory issues.

FY05 Deliverables and Availability

- Regulatory database
- Report on environmental regulatory barriers.

Questions?

