



Update on NYS Distributed Generation Rulemaking

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NYSDEC

Air Quality Planning

Demand Response Programs

- Summer 2001
 - Emergency Rulemaking
 - Revisions to 6 NYCRR Parts 200, 201, 225 and 227 to support New York Independent System Operator's (NYISO) Emergency Demand Response Program (EDRP)



Demand Response Programs

- Summer 2002
 - All sources participating in a Demand Response Program are required to be permitted by the Department
 - All permit questions and applications are being coordinated by staff in the Bureau of Stationary Sources in the Division of Air Resources, in Albany.
 - The point of contact is Mr. Michael P. Cronin, PE
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Why Distributed Generation?

Engine Size (bhp)	Engine Size (MW)	Emission Rate (lbs/mmBtu)	Article X 2.0 ppm (times cleaner)	NYPA Turbine 2.5 ppm (times cleaner)	NOx Budget 0.15 lbs/mmBtu (times cleaner)
200	0.15	3.23	404	323	22
225	0.17	3.53	414	353	24
650	0.49	4.12	514	412	27
1340	1.00	4.70	588	470	31



6 NYCRR Part 222 -“Distributed Generation”

- What is Distributed Generation (DG)
 - Electrical Generation near the place of use that is as clean as centrally generated power
 - DG units include:
 - Solar (photovoltaics)
 - Wind
 - Fuel cells
 - Diesel, natural gas and gasoline powered engines and microturbines
 - DG units usually sized to meet needs of business or residence at which it is located



6 NYCRR Part 222 -“Distributed Generation”

- Emissions from Distributed Generation
 - Wind and Solar, No emissions
 - Fossil fuel fired units emit the same contaminants, although at a somewhat higher level, as centrally located fossil fuel fired electric generating sources, including:
 - Oxides of Nitrogen
 - Particulate Matter
 - Volatile Organic Compounds
 - Carbon Monoxide
 - Carbon Dioxide
 - Sulfur Dioxide



6 NYCRR Part 222 - “Distributed Generation”

- Stakeholder process
 - First Meeting November 13, 2001
- Purpose
 - Establish emission standards for distributed generation
 - Review of new and existing generation and appropriate control technologies
 - National consistency



6 NYCRR Part 222 - “Distributed Generation”

- Stakeholder process, Next Step
 - Department is developing white papers identifying key areas that this rulemaking will impact
 - After distribution of the white papers, the Department will hold more stakeholder meetings targeted towards the development of an outline of the regulation



6 NYCRR Part 222 - “Distributed Generation”

Anyone wishing to participate in the stakeholder process
may contact:

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