

New York's DG Rule

Requirements for Demand Response Sources

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Overview

- Permitting (Part 201)
- DG Rule (Part 222)
 - New Sources
 - Existing Sources
 - Requirements Specific to Demand Response Sources

Permitting Options

- Registration Certificate
 - Actual NO_x Emissions < 12.5 tons/year
- State Facility Permit
 - Cap Potential NO_x Emissions < 22.5 tons/yr
- Title V Permit
 - Potential VOC or NO_x Emissions = 25 tons/year
 - 6 NYCRR Subpart 227-2 (NO_x RACT)
 - 6 NYCRR Subpart 231-2 (New Source Review)

DEC Regional Offices

- Region 1 (Nassau/Suffolk Counties)
- Region 2 (New York City)
- Region 3 (Lower Hudson Valley)
- www.dec.state.ny.us

Distributed Generation Rule

- New Sources – Subject to an EPA New Source Performance Standard (NSPS)
 - 40 CFR 60 Subpart 4I (diesel engines)
 - Effective Date: July 11, 2005
 - 40 CFR 60 Subpart 4K (turbines)
 - Effective Date: February 18, 2005

Existing Sources

- Sources that commenced operation prior to effective date of Part 222 (Fall 2006).
- Does not apply to sources subject to an NSPS rule.

Existing Sources NO_x Emission Limits

- Effective January 1, 2008
 - Microturbines: 0.54 g/bhp-h
 - Turbines (CH₄): 50 ppmvd @ 15% O₂
 - Turbines (oil): 100 ppmvd @ 15% O₂
 - Rich Burn Engines (CH₄): 3.0 g/bhp-h
 - Lean Burn Engines (CH₄): 2.0 g/bhp-h
 - Diesel-fired Engines: 7.5 g/bhp-h

Emission Limits Particulate Matter (PM)

- Oil-fired Sources Only
- Effective Date: January 1, 2008
 - 0.10 lb/mmBtu Heat Input; or
 - Ultralow sulfur diesel fuel + 85% Control

Demand Response Sources

- Must be permitted.
- Emergency Use (500 hours/year)
 - or as limited due to New Source Review
 - operated when usual supply of electricity is not available
 - routine maintenance
- In addition – may operate for up to 30 hours per year when called upon by a Demand Response Program Sponsor.

Demand Response Sources

- Emission Limits:
 - Effective Date: January 1, 2009
 - NO_x: 9.0 g/bhp-h
 - PM: 0.10 lb/mmBtu or 85% control
 - Stack Test: by December 31, 2008

Demand Response Sources Capacity Limitations

- Sources subject to Part 222:
 - January 1, 2007: 271.9 MW
 - January 1, 2011: 150.0 MW
 - January 1, 2014: 50.0 MW
- Sources subject to an NSPS Rule:
 - not subject to capacity cap

Demand Response Sources

- List of sources that may participate will be maintained on DEC website.

Status of Part 222

- Stakeholder Meeting
 - Conference Call format
- Effective Date of Part 222 – Fall 2006
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