

New Jersey Department of Environmental Protection (NJDEP) CO₂ Budget Trading Program N.J.A.C. 7:27C



Output Monitoring Plan

The purpose of this form is to fulfil the obligation for CO₂ budget units that are required to provide the department with an Output Monitoring Plan. An Output Monitoring Plan is only required for a CO₂ budget unit that does not participate in a wholesale electricity market administered by PJM or NYISO; or is a cogeneration facility as defined in 7:27C-1.2.

This form includes the submittal requirements for the Output Monitoring Plan for New Jersey CO₂ budget sources regulated under the New Jersey CO₂ Budget Trading Program. Please complete the cover sheet with the correct facility and AAR information followed by the Output Monitoring Plan with the required information listed below. The completed package must be submitted to the NJDEP no later than March 1, 2023. Please read all the directions carefully and follow the submittal instructions at the end of the form. For more information on the Output Monitoring Plan requirements pursuant to the CO₂ Budget Trading Program, see N.J.A.C. 7:27C-8.8.

FACILITY & AAR INFORMATION		
FACILITY INFORMATION (SOURCE)	Facility Name	
	Company Name	
	EIA Plant Code	
	NJDEP PI Number	
	U.S. DOE/EIA Unit ID:	
	Street Address	
	State	
	Zip Code	
	Authorized Account Representative (AAR) Information	
	AAR Name	
	Title	
	Street Address	
	State	
	Zip Code	
	Phone Number	
Fax Number		
Email Address		

OUTPUT MONITORING PLAN REQUIREMENT INFORMATION

For CO₂ budget units obligated to provide an output monitoring plan as described in N.J.A.C. 7:27C-8.8, the owner or operator of a CO₂ budget source shall submit to the Department for approval an output monitoring plan.

The output monitoring plan is required to include:

- A diagram of the electrical and/or steam system for which output is being monitored in accordance with 7:27C-8.8(g)1.
- A written description of each output monitoring system, including both the electric and thermal output systems and the equations used to calculate the outputs, in accordance with 7:27C-8.8(g)2.
- A detailed description of all quality assurance and quality control activities that will be performed to maintain the output system in accordance with 7:27C-8.8(g)3.
- Documentation supporting any output value(s) to be used as a missing data value should there be periods of invalid output data in accordance with 7:27C-8.8(g)4.

For monitoring net electric output, the diagram must contain all CO₂ budget units and all electric generators served by each CO₂ budget unit and the relationship between CO₂ budget units and electric generators. If an electric generator served by a CO₂ budget unit is also served by a non-affected unit, the non-affected unit and its relationship to each electric generator shall be indicated on the diagram as well. The diagram shall indicate where the net electric output is measured and include all electrical inputs and outputs to and from the facility. If net electric output is determined using a billing meter, the diagram shall show each billing meter used to determine net sales of electricity and show that all electricity measured at the point of sale is generated by the CO₂ budget units. A key explaining all symbols and abbreviations used in the diagram must be attached.

For monitoring net thermal output, the diagram must include all steam or hot water coming into the net steam system, including steam from CO₂ budget units and non-CO₂ budget units, and all exit points of steam or hot water from the net steam system. In addition, each input and output stream must have an estimated temperature, pressure, and phase indicator, and an enthalpy in Btu/lb. The diagram of the net steam system must identify all steam loads, including, but not limited to, useful loads, house loads, parasitic loads, and all boiler feedwater returns. The diagram must represent all energy losses in the system as either usable or unusable losses. The diagram must also indicate all flow meters, temperature or pressure sensors, or other equipment used to calculate gross thermal output. If a sales agreement is used to determine net thermal output, the diagram shall show the monitoring equipment used to determine the sales of steam.

OUTPUT MONITORING PLAN REQUIREMENT INFORMATION

U.S. DOE/EIA Unit ID(s):

Did the CO ₂ budget unit(s) participate in a wholesale electricity market administered by PJM or NYISO	Yes <input type="checkbox"/>	No <input type="checkbox"/>
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Does the CO ₂ budget unit qualify as a cogeneration unit in accordance with the definition found in N.J.A.C. 7:27C	Yes <input type="checkbox"/>	No <input type="checkbox"/>
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<input type="checkbox"/>	Attached is an output monitoring plan for the CO₂ budget units. The output monitoring system consists entirely of billing meters and meets the requirements of 7:27C-8.8(h)1.
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<input type="checkbox"/>	Attached is an output monitoring plan for the CO₂ budget units that include the use of non-billing meters. The non-billing meters meet the accuracy requirements of 7:27C-8.8(2).
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CERTIFICATION STATEMENT

I certify that I was selected as the CO₂ authorized account representative of the CO₂ budget source (or alternative CO₂ authorized account representative of the CO₂ budget source, as applicable) by an agreement binding with the owners and operators of the CO₂ budget source and each CO₂ budget unit at the source. I certify that I have all the necessary authority to carry out my duties and responsibilities under the CO₂ Budget Trading Program on behalf of the owners and operators of the CO₂ budget source and of each CO₂ budget unit at the source and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions and by any decision or order issued to me by the Department or court of competent jurisdiction regarding the source or unit.

I am authorized to make this submission on behalf of the owners and operators of the CO₂ budget sources or CO₂ budget units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Signature of Authorized Account Representative (AAR) or Alternate

Printed Name

Date

SUBMITTAL INSTRUCTIONS

This completed form along with all required attachments and supporting documentation is required to be submitted to NJDEP Bureau of Climate Change and Clean Energy at the address below.

New Jersey Department of Environmental Protection
Bureau of Climate Change and Clean Energy
Attn: NJ RGGI Program,
401 E. State Street, 2nd Floor,
Mail code 401-02H
P.O. Box 420
Trenton, NJ 08625-0420

Doug Benton
Phone: 609-984-3355
E-Mail: douglas.benton@dep.nj.gov