

February 9, 2021



Debra A. Howland, Executive Director  
State of New Hampshire  
Public Utilities Commission  
21 South Fruit Street, Suite 10  
Concord, NH 03301 2429

**Re: Docket # DM 17-181 Environmental Disclosure Label for CS Berlin Ops, Inc.**

Dear Ms. Howland:

Enclosed for filing is an electronic copy of the Environmental Disclosure Label for CS Berlin Ops, Inc. pursuant to Rule 2004.05. Please note the disclosure label should meet all requirements for your filing.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert Desrosiers", with a long horizontal stroke extending to the right.

Robert Desrosiers  
Executive Vice President

CS Berlin Ops, Inc.  
One Community Street  
Berlin, NH 03570



# New Hampshire Environmental Disclosure Label

February 2021

Electric providers are required by the New Hampshire Public Utilities Commission to provide customers with an environmental disclosure label with information to evaluate services offered by competitive suppliers and electric utilities, and to provide information about the environmental and public health impacts of electric generation. Further information can be obtained by calling your electric utility or competitive electric supplier, or by contacting the Public Utilities Commission. Additional information on disclosure labels is also available at <http://www.puc.nh.gov>.

CS Berlin Ops, Inc. procures the power it supplies to customers from the New England Power Pool (NEPOOL). The NEPOOL mix of resources and average emission rates of nitrogen oxides, sulfur dioxide and carbon dioxide are shown in the table below based on the most recent data available from the New England Independent System Operator (ISO-NE). CS Berlin Ops will update this information annually to allow its customers to compare between other competitive electric power suppliers.

## ELECTRICITY SOURCES AND AIR EMISSIONS

The New England Power Pool is comprised of a diversity of fossil fueled, nuclear, and renewable energy generating facilities as shown below.

<u>Generator Type</u>	<u>% of NE Generation</u>
Natural Gas	49%
Nuclear	30%
Wind	3%
Hydro	7%
Other Renewables	7%
Pumped Storage	1%
Coal	1%
Oil	1%

2018 Information from ISO-NE Electric Generator Air Emissions Report, May 2020

Following is a comparison of the average emission rates of all generating facilities in New England to the actual emission rates of the generating resources utilized by CS Berlin Ops.

<u>Emissions</u>	<u>NE Average Emission Rates</u>	<u>CS Berlin Ops Emission Rates</u>
<u>Type</u>	<u>(lbs/MWh)</u>	<u>(lbs/MWh)</u>
Nitrogen Oxides	0.30	0.30
Sulfur Dioxide	0.10	0.10
Carbon Dioxide	658	658

2018 New England average emissions from ISO-NE Electric Generator Air Emissions Report, May 2020

**Sulfur Dioxide (SO<sub>2</sub>)** is a heavy, colorless gas that once in the air may undergo a chemical transformation into sulfates and sulfuric acid, contributing to acid rain. Electric generation facilities that burn fossil fuels are the largest source of SO<sub>2</sub> emissions.

**Nitrogen Oxides (NO<sub>x</sub>)** are compounds of nitrogen and oxygen that once in the air may undergo a chemical transformation into nitrates and nitric acid, contributing to acid rain and ground-level ozone (photo-chemical smog). Electric generation facilities that burn fossil or biomass fuels are a major source of NO<sub>x</sub> emissions.

**Carbon Dioxide (CO<sub>2</sub>)** is a colorless, odorless gas that allows light from the sun's rays to be transmitted to the Earth's surface but blocks heat radiating from the Earth's surface from escaping into the atmosphere, thus contributing to global climate change or warming due to the "greenhouse" effect. Electric generation facilities that burn fossil fuels are a major source of CO<sub>2</sub> emissions.

More Information: <https://www.des.nh.gov/organization/divisions/air/do/asab/apoc/index.htm>