



# Labeling electricity: It's the law

As required of all electricity suppliers by the New York State Public Service Commission (PSC), O&R is providing customers who purchase their electricity supply from the company with its environmental disclosure label. The label provides information on fuel sources used to generate electricity, the air emissions associated with the electricity generation, and a comparison of those emissions to a statewide average. **The information provided in this bill insert is the most recent data generated by the The New York State Energy Research and Development Authority (NYSERDA).** If you buy electricity from a supplier other than O&R, your supplier is responsible for providing you with its disclosure label.

## Fuel Sources

Electricity can be generated using many different fuel sources. This environmental label provides information on O&R's "fuel mix," i.e., the types and percentages of fuels used to generate the electricity O&R delivered from Jan. 1 through Dec. 31, 2018.

### Fuel Sources Used To Generate Electricity\*

Biomass	Less than 1%
Coal	4%
Gas	43%
Hydro	11%
Nuclear	37%
Oil	Less than 1%
Renewable Biogas	Less than 1%
Solar	Less than 1%
Solid Waste	2%
Wind	2%

\*Actual total may vary slightly from 100% due to rounding.

**Biomass** – fuels such as landfill gas, wood, and other plant matter

**Coal, Natural Gas and Oil** – fossil fuels

**Hydro** – falling water from rivers and dams

**Nuclear** – nuclear energy

**Renewable Biogas** – a byproduct of biomass

**Solar** – energy from the sun transferred by photovoltaics

**Solid Waste** – fuels such as municipal waste

**Wind** – from wind turbines

## Air Emissions

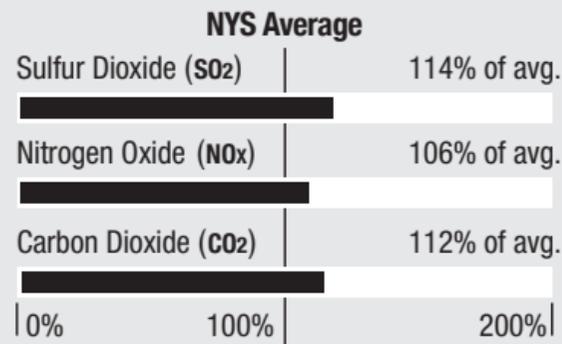
The Air Emissions portion of the disclosure label provides information on the levels of three air pollutants associated with the generation of electricity and how the emissions from electricity supply delivered to you by O&R compares to the statewide average for the period Jan. 1 through Dec. 31, 2018.

The following Air Emissions graph shows average sulfur dioxide (SO<sub>2</sub>), nitrogen oxide (NO<sub>x</sub>) and carbon dioxide (CO<sub>2</sub>) emissions of the electricity sold for the time period shown on this label.

The horizontal bars show how the emissions levels of O&R electricity compare to the average emissions levels (the vertical line) of all the suppliers selling electricity in New York.

If a supplier exceeds 100 percent in an air emissions category, the emissions level is higher than the statewide average of all the electricity suppliers in the state. Similarly, if the percentage is less than 100 percent, the emissions level is lower.

### Air Emissions Relative to New York State Average



Note: Sulfur dioxide and nitrogen oxide are key pollutants that contribute to acid rain and smog, and carbon dioxide contributes to global climate change. Depending on fuel source, size and location, the generation of electricity may also result in other public health, environmental, and socio-economic impacts not disclosed above.