

# CyrusOne 2020 Environmental Data Disclosure

This data is disclosed covering new data from 2020, along with restatements of 2018 and 2019. The full discussion of the data will be released in the 2021 Sustainability Report later in the year. The major change of methodology is that in the 2020 reporting season we had considered electricity delivered to customer equipment (e.g. servers) to be Scope 3 emissions (categorized under “energy sold”). This year we have incorporated this electricity into our Scope 2 emissions to support our renewable energy strategy. Across the colocation data center industry there is wide variation in how this energy is reported between Scopes 2 and 3.

## Greenhouse Gas Emissions

Reported for all directly managed facilities (facilities for which CyrusOne has operational control).

### Market-based Emissions

This table shows the market-based emissions due supplier-specific emissions factors (including renewable power).

Market MTCO <sub>2</sub> e	2018	2019	2020
<b>Scope 1</b>	<b>3,782</b>	<b>7,989</b>	<b>7,085</b>
Europe	315	301	550
North America	3,468	7,688	6,534
<b>Scope 2</b>	<b>807,657</b>	<b>888,517</b>	<b>1,012,031</b>
Europe	15,286	28,293	53,840
North America	792,371	860,225	958,191
<b>Grand Total</b>	<b>811,439</b>	<b>896,506</b>	<b>1,019,116</b>

### Location-based Emissions

This table shows the location-based emissions using US subregions or European national grids. This also shows the emissions avoided due to the use of renewables.

Location MTCO <sub>2</sub>	2018	2019	2020
<b>Renewable Avoidance</b>	<b>2,579</b>	<b>6,816</b>	<b>13,563</b>
<b>Scope 2</b>	<b>2,579</b>	<b>6,816</b>	<b>13,563</b>
Europe	2,579	6,816	13,563
<b>Nonrenewable</b>	<b>798,371</b>	<b>897,580</b>	<b>1,020,898</b>
<b>Scope 1</b>	<b>3,782</b>	<b>7,989</b>	<b>7,085</b>
Europe	315	301	550
North America	3,468	7,688	6,534
<b>Scope 2</b>	<b>794,588</b>	<b>889,591</b>	<b>1,013,814</b>
Europe	15,286	28,293	53,840
North America	779,302	861,299	959,974
<b>Grand Total</b>	<b>800,950</b>	<b>904,396</b>	<b>1,034,461</b>

## Third-Party Emissions

This table shows the third-party (Scope 3) emissions that we have estimated for several aspects of our operation.

<b>MTCO2</b>			
	<b>2018</b>	<b>2019</b>	<b>2020</b>
Fuel- and energy-related activities (F&ERA)	205,180	227,004	258,638
Construction Materials	70,803	10,929	40,160
Employee Commuting	1,217	1,183	475
Business Travel	567	551	133
<b>Grand Total</b>	<b>277,767</b>	<b>239,668</b>	<b>299,405</b>

## Energy Consumption

Reported for all directly managed facilities (facilities for which CyrusOne has operational control), translated to MWh energy units.

Energy Source	2018		2019		2020	
	Total MWh	% of Total MWh	Total MWh	% of Total MWh	Total MWh	% of Total MWh
<b>Fuels</b>	<b>15,947</b>	<b>0.82%</b>	<b>33,192</b>	<b>1.37%</b>	<b>29,586</b>	<b>1.06%</b>
<b>Diesel</b>	<b>12,925</b>	<b>0.67%</b>	<b>28,586</b>	<b>1.18%</b>	<b>24,957</b>	<b>0.89%</b>
Nonrenewable	12,925	0.67%	28,586	1.18%	24,957	0.89%
<b>Europe</b>	<b>1,257</b>	<b>0.06%</b>	<b>1,201</b>	<b>0.05%</b>	<b>2,162</b>	<b>0.08%</b>
<b>North America</b>	<b>11,668</b>	<b>0.60%</b>	<b>27,385</b>	<b>1.13%</b>	<b>22,795</b>	<b>0.81%</b>
<b>Natural Gas</b>	<b>3,022</b>	<b>0.16%</b>	<b>4,606</b>	<b>0.19%</b>	<b>4,629</b>	<b>0.17%</b>
Nonrenewable	3,022	0.16%	4,606	0.19%	4,629	0.17%
<b>Europe</b>		<b>0.00%</b>	<b>4</b>	<b>0.00%</b>	<b>51</b>	<b>0.00%</b>
<b>North America</b>	<b>3,022</b>	<b>0.16%</b>	<b>4,603</b>	<b>0.19%</b>	<b>4,578</b>	<b>0.16%</b>
<b>Electricity</b>	<b>1,920,536</b>	<b>99.18%</b>	<b>2,382,344</b>	<b>98.63%</b>	<b>2,773,308</b>	<b>98.94%</b>
<b>Electricity</b>	<b>1,920,536</b>	<b>99.18%</b>	<b>2,382,344</b>	<b>98.63%</b>	<b>2,773,308</b>	<b>98.94%</b>
Renewable	10,316	0.53%	29,894	1.24%	59,197	2.11%
<b>Europe</b>	<b>10,316</b>	<b>0.53%</b>	<b>29,894</b>	<b>1.24%</b>	<b>59,197</b>	<b>2.11%</b>
Nonrenewable	1,910,220	98.64%	2,352,451	97.39%	2,714,112	96.83%
<b>Europe</b>	<b>37,650</b>	<b>1.94%</b>	<b>83,706</b>	<b>3.47%</b>	<b>159,289</b>	<b>5.68%</b>
<b>North America</b>	<b>1,872,570</b>	<b>96.70%</b>	<b>2,268,745</b>	<b>93.92%</b>	<b>2,554,822</b>	<b>91.15%</b>
<b>Grand Total</b>	<b>1,936,483</b>	<b>100.00%</b>	<b>2,415,536</b>	<b>100.00%</b>	<b>2,802,894</b>	<b>100.00%</b>

CyrusOne does not import other forms of energy such as district steam or chilled water.

## Water Withdrawal, Consumption, and Discharge

Reported for all directly managed facilities (facilities for which CyrusOne has operational control). We consider water that is withdrawn and discharged to be *water use* and water that is withdrawn and evaporated to be *water consumed*. Water stress categories are from the *Aqueduct Water Risk Atlas*. Units are in million cubic meters (Mm<sup>3</sup>). All water is from municipal supply.

Mm <sup>3</sup> of Water	2018					2018 Total
	Water Destination	Low risk (0-1)	Low to medium risk (1-2)	Medium to high risk (2-3)	High risk (3-4)	
Discharge	0.02	0.00	0.03	0.00	0.07	0.12
Evaporation	0.31	0.00	0.06	0.17	0.00	0.54
<b>Grand Total</b>	<b>0.33</b>	<b>0.00</b>	<b>0.09</b>	<b>0.17</b>	<b>0.07</b>	<b>0.66</b>

Mm <sup>3</sup> of Water	2019					2019 Total
	Water Destination	Low risk (0-1)	Low to medium risk (1-2)	Medium to high risk (2-3)	High risk (3-4)	
Discharge	0.03	0.01	0.03	0.01	0.06	0.14
Evaporation	0.40	0.00	0.07	0.25	0.00	0.72
<b>Grand Total</b>	<b>0.43</b>	<b>0.01</b>	<b>0.09</b>	<b>0.27</b>	<b>0.06</b>	<b>0.86</b>

Mm <sup>3</sup> of Water	2020					2020 Total
	Water Destination	Low risk (0-1)	Low to medium risk (1-2)	Medium to high risk (2-3)	High risk (3-4)	
Discharge	0.04	0.01	0.04	0.02	0.03	0.12
Evaporation	0.37	0.00	0.08	0.38	0.00	0.83
<b>Grand Total</b>	<b>0.41</b>	<b>0.01</b>	<b>0.11</b>	<b>0.40</b>	<b>0.03</b>	<b>0.96</b>

Two notes on water that is not represented in the above tables:

- The Cincinnati-Hamilton geothermal cooling system pumps 2.98 Million cubic meters per year to take advantage of lower below-surface temperatures. The water is used as a heat sink and then returned to the local watershed. None is evaporated/consumed.
- As part of our Net Water Positive Initiative, CyrusOne partnered with the Bonneville Environmental Foundation to restore 18.5 million gallons of water (0.07 million cubic meters) to critically dewatered rivers and streams near our Phoenix-Chandler and Dallas-Carrollton facilities, making these two facilities net water positive at a regional level.