CLEVELAND 2030 DISTRICT

TRANSPORTATION SURVEY 2020
Cleveland 2030 District's Mission

ENERGY USE

WATER USE

TRANSPORTATION EMISSIONS

A 50% reduction by the year 2030 from commercial buildings will create a more sustainable, resilient and healthier city.
We had over 4,000 responses from commuters in 2030 District participating buildings.

2020 survey results show a 49% reduction in commuter emissions compared to a 25% reduction in 2018.
We asked for transportation mode each month

- Survey results show the difference the pandemic and stay at home orders had on commuting patterns. Drive alone decreased from 80% in January to 46% in April, while telecommuting increased from 3% in January to 42% in April.
- We learned that 2% of respondents carpooled in 2020. Of those, 87% carpooled with one other person.
We asked for the approximate miles per gallon for vehicles driven and round trip miles per commute.

Average MPG was 25.4 and average miles per round trip was 28.6.
A drastic reduction in emissions occurred in March and April during the stay at home order. The survey was disbursed in October, so November and December data are estimates provided by respondents.
So, what does all this mean?

This is what happened:

1,478 kg CO2 emissions per commuter for the year

49% reduction from baseline

If we commuted all year like we did in January:

2,066 kg CO2 emissions per commuter for the year

28% reduction from C2030D baseline
If we commuted all year like we did in January, **2.4 million more kilograms of CO2** would have entered the atmosphere. That’s the same as:

**CO2 emissions from:**
- 272,324 gallons of gasoline consumed
- 2,666,663 pounds of coal burned

**Greenhouse gas emissions from:**
- 523 passenger vehicles driven for one year
- 6,005,313 miles driven by an average passenger vehicle
Greenhouse Gases, Air Quality and Health

- Greenhouse gases are a major contributor to air pollution, impacting air quality and health
- Nationally, greenhouse gas emissions fell more than 10% in 2020, reaching their lowest levels in 3 decades\(^1\)
- Transportation, the U.S.’s largest source of greenhouse gases, saw a 14.7% decline in emissions in 2020\(^2\)
- Daily global \(\text{CO}_2\) emissions decreased 17% by early April 2020 compared with mean 2019 levels - just under half from changes in transportation\(^3\)

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3. https://www.nature.com/articles/s41558-020-0797-x
Our thanks to all who participated in our survey!