# Statewide telework dashboard

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Reporting week
12/27/2021

Department name
CCCCO since 04/2021

169 (1 dept.)
All staff

169 (100.0%)
Eligible for telework

0 (0.0%)
Ineligible for telework

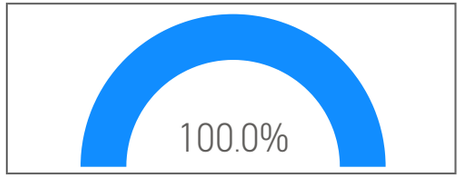
Telework eligible staff
169

169 (100.0%)
Teleworking fulltime

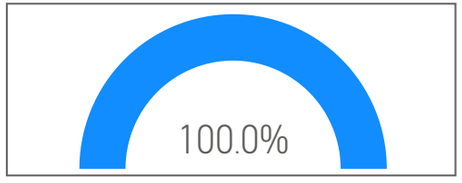
0 (0.0%)
Teleworking partially

0 (0.0%)
Not teleworking

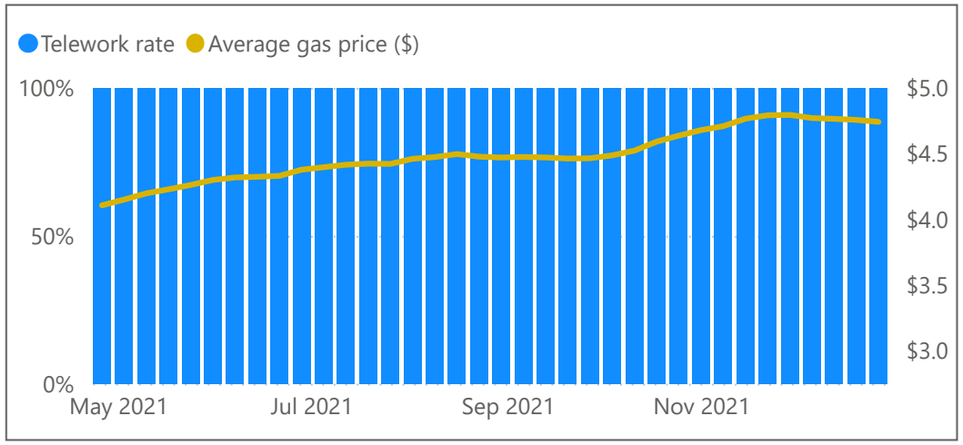
## People teleworking




## Telework rate




## Telework rate and average gas price trend




## Teleworker savings

33.4 miles
Daily driving distance

41.2 minutes
Daily driving time

$92 per week
Vehicle expenses: total

$32 per week
Vehicle expenses: gas

## Weekly savings estimates

27,700 miles
Commutes saved

570 hours
Time saved in hours

24 days
Time saved in days

1,140 gallons
Gas saved

$15,500
Vehicle expenses: total

$5,390
Vehicle expenses: gas

10 metric tons
CO2 avoided

## Cumulative savings estimates

1,020,000 miles
Commutes saved

41.1 times
Around the Earth

2.1 times
Round trips to the Moon

20,900 hours
Time saved

2.4 years
Time saved

$574,000
Vehicle expenses: total

$188,000
Vehicle expenses: gas

42,000 gallons
Gas saved

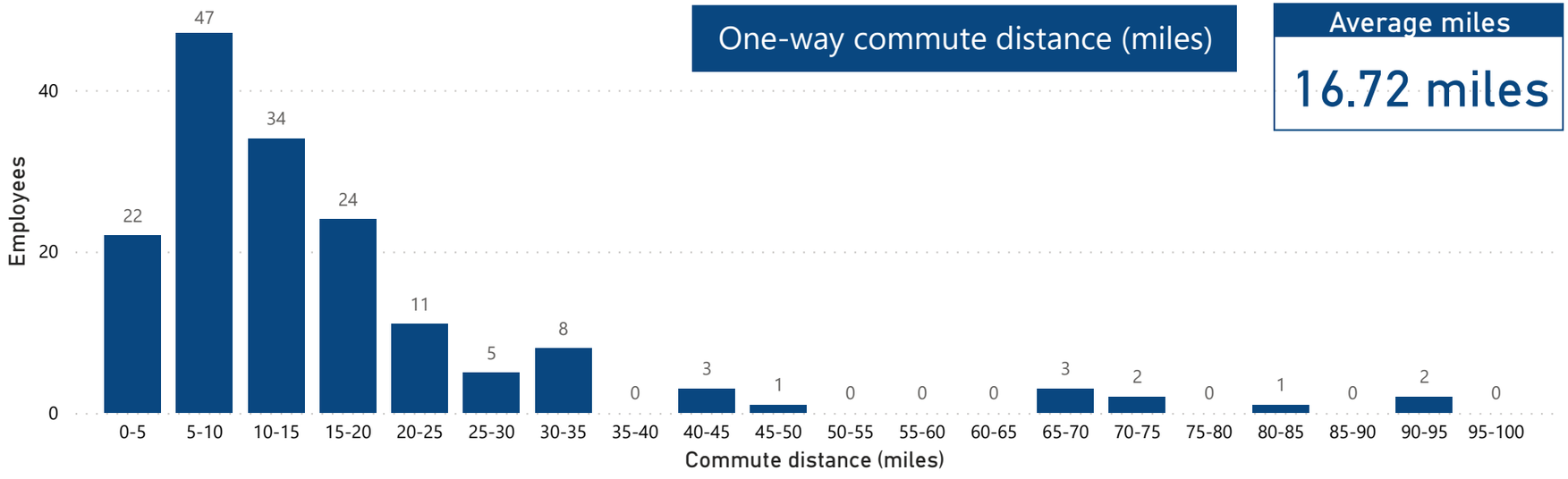
373 metric tons
CO2 avoided

485 acres/year
Carbon absorbed by US forest

# Distribution of commute distance and time

Reporting week
12/27/2021

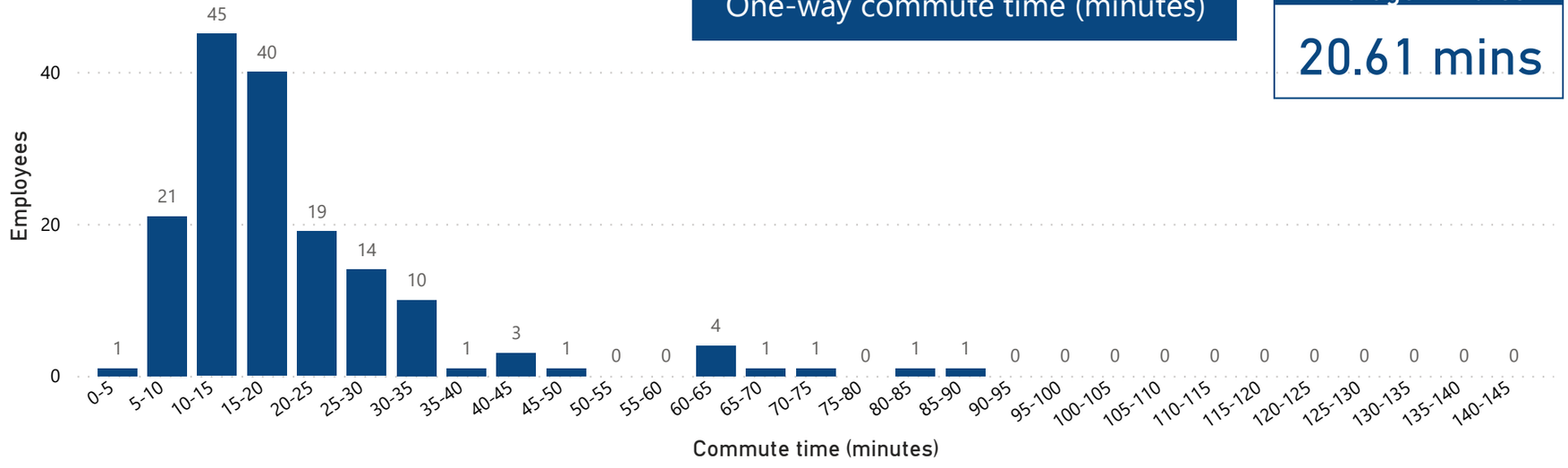
## One-way commute distance (miles)




**Average miles**

16.72 miles

## One-way commute time (minutes)




**Average minutes**

20.61 mins

**Telework status** ● No Telework ● Partial Telework ● Full Telework Employees

**Department**

CCCCO since 04/2021

**Telework eligible**

Yes

**Telework status**

Full Telework

**Department status**

| Dept | Staff (Telework rate) | Avg. miles | Avg. minutes |
|---|---|---|---|
| ARB | 1,659 (95.0%) | 17.6 | 22.9 |
| CalEPA | 76 (79.9%) | 19.4 | 24.4 |
| CalRecycle | 763 (91.0%) | 15.7 | 27.9 |
| CCCCO | 169 (100.0%) | 16.7 | 20.6 |
| CDT | 995 (84.6%) | 16.7 | 28.6 |
| DFEH | 248 (91.5%) | 15.7 | 22.6 |
| DGS | 3,514 (38.5%) | 15.0 | 25.8 |

6 employees with zero (0) or more than 100 miles commute distance are not included in the average calculation. Therefore, average values were used.

# About telework dashboard

**Description:**

This dashboard combines departments' telework data.

**Audience:**

This dashboard and its data are intended to be available to the public.

**Data sources:**

Each department provides their own data, based on their individual internal telework tracking systems. Guidance on how to collect this data is available on the Reporting Requirements page. Cumulative savings estimates for each department go back to when they began participating (e.g., DGS since March 2020, FI$Cal since October 2020).

**Assumptions:**

This dashboard represents a generalized estimation using available data with the following assumptions.

Commute calculation: All employees are assumed to commute to work daily in a vehicle with no other passengers. Commute savings are figured only on miles from the alternate work location to the office site and does not account for driving to errands, daycare, schools, or other facilities en route or during the workday. No precise data is available for employee's use of public transportation or carpools, so these commute methods are not currently factored in. We consider it reasonable to assume that actual savings (in both dollars and CO2) are probably slightly less than shown, due to this uncertainty. Holidays and vacation days are excluded from calculations. Actual telework days may differ from the reported counts due to various individual circumstances. In limited cases where the commute distance could not be calculated, the average commute distance of all other employees is used. Data for employees with PO Box (0 miles) or commuting over 100 miles one-way were excluded in the average calculation.

Energy Savings Calculation: Historic average gas prices in California come from the U.S. Energy Information Administration's Weekly Retail Gasoline and Diesel Prices report. Mid-grade gasoline prices are used for calculations. The average fuel economy for gasoline passenger vehicles is 24.4 mpg, per the California Energy Commission's analysis of the Department of Motor Vehicles' registration data for personal gasoline vehicles, as of the end of 2019. IRS mileage rate is taken from the IRS standard mileage reimbursement.

$CO_2$ Avoided Calculation: The common conversion factor of 8,887 grams of $CO_2$ emissions per gallon of gasoline was used. Conversion factor for carbon sequestered is 0.77 metric ton $CO_2$/acre/year sequestered annually by one acre of average U.S. forest (from the Environmental Protection Agency's Greenhouse Gases Equivalencies Calculator References).

# Dashboard data dictionary

**Department Name** – Defaults to "All" participating departments. Users can select the drop-down menu to specify individual departments.
- **All staff** – the number of staff employed at participating departments (does not include consultants, students or retired annuitants) when the dashboard data was processed.
- **Eligible for telework** – The number of employees in telework eligible positions out of the total number of employees (all staff).
- **Ineligible for telework** – The number of employees in telework ineligible positions out of the total number of employees (all staff).

**Telework eligible staff** – The number of employees in telework eligible positions.
- **Teleworking fulltime** – The number of staff teleworking five eight-hour shifts per week out of the total number of telework eligible staff.
- **Teleworking partially** – The number of staff teleworking less than five eight-hour shifts per week out of the total number of telework eligible staff.
- **Not teleworking** – The number of staff not teleworking out of the total number of telework eligible staff.

**People teleworking** – The percentage of total teleworking staff for the week = (teleworking fulltime + teleworking partially) / telework eligible staff.
**Telework rate** – The percentage of total teleworking days out of the total workdays of telework eligible staff for the week.
**Telework rate and average gas price trend** – The blue bars indicate the weekly telework ratio. The yellow line indicates California's weekly average price of mid-grade gasoline.
**$CO_2$ avoided** – Total tons of $CO_2$ avoided = (gas saved) x (8.887 x $10^{-3}$ metric tons $CO_2$).
**Gas saved** – Total gas saved = (commutes saved in miles) / 24.4 mpg.
**Vehicle expenses: total** – Total vehicle expenses saved including gas, oil changes, tires, breaks, etc. = (commutes saved) x $0.575.
**Vehicle expenses: gas** – Total number of dollars saved on gas.

**Teleworker savings**– Average savings per teleworking employee for various metrics.
- **Daily driving distance** – The average value of individual teleworker's daily driving distances.
- **Daily driving time** – The average value of individual teleworker's daily driving time.

**Weekly savings estimates** – Total weekly savings of all teleworkers for various metrics within the week reported.
- **Commutes saved** – Total driving distance saved per week = (number of teleworked days) x (one-way driving distance) x 2.
- **Time saved in hours** – Total hours of driving saved per week = (number of teleworked days) x (one-way driving time) x 2.
- **Time saved in days** – Total days of driving time saved per week = (time saved in hours) / 24 (rounded to the nearest day).

**Cumulative savings estimates:** Total savings since tracking began.
- **Commutes saved** – Cumulative total number of miles saved.
- **Around the Earth** – The equivalent number of trips around the Earth using the cumulative saved commute miles = (commutes saved in miles) / 24,901 miles.
- **Round trips to the Moon** – The equivalent number of trips to the Moon and back = (cumulative commutes saved in miles) / 238,900 miles (distance to Moon) x 2.
- **Time saved** – Cumulative total number of hours or days saved.
- **Gas dollars saved** – Cumulative total number of dollars saved on gas.
- **Carbon absorbed by US forest** – Cumulative total acres per year of U.S. forest needed to absorb the amount of carbon avoided = ($CO_2$ avoided) / (0.77 metric tons $CO_2$/acre/year sequestered annually).