

**CARLMONT HIGH SCHOOL, BELMONT, CA: *SCHOOLS ARE NOT DRIVE-THRUS!*
CAMPAIGN 2022-2023**

FINAL MEASURING DETAILS OF VEHICLES IDLING DURING SCHOOL DISMISSAL PERIOD - WITH
COMPARISON/ANALYSIS OF THE DIFFERENCE TO INITIAL MEASURING
Conducted by Carlmont High School Green Team

THREE DAYS OF FINAL DATA COLLECTION (observations over three school parking/dismissal line
up areas; temperature 62 degrees):

May 31, 2023

31 vehicles observed: 25 cars; six pickup trucks; number idling: six; gallons of fuel consumed:
0.23

June 1

36 vehicles observed: 29 cars; 7 trucks; number idling: seven; gallons of fuel consumed: 0.23

June 2

33 vehicles observed: 27 cars; six trucks; number idling: six; gallons of fuel consumed: 0.25

GALLONS OF FUEL CONSUMED/CO₂ EMISSIONS:

OVER THREE DAYS: Per day average: 0.238; three day; three-day total: 0.71 gallons fuel
consumed/14.2 pounds CO₂

OVER 175 DAY SCHOOL YEAR: 41.67 gallons fuel consumed/807 pounds CO₂

FINAL ANALYSIS

INITIAL DATA COLLECTION (Nov. 18, 2022, Nov. 21, Nov. 22; temperature 63 degrees):

Total vehicles observed: 28*; total idling: 25; percent idling: 89; total time idling: 2.1 hours;
annual fuel consumed: 54.31 gallons; annual CO₂ emissions: 1,051 pounds

*For initial data collection, the low number of vehicles observed can be attributed to measuring during
Thanksgiving week.

FINAL DATA COLLECTION:

Total vehicles observed: 100; total idling: 19; percent idling: 19; total time idling: 1.86 hours;
annual fuel consumed: 41.67 gallons; annual CO₂ emissions: 807 pounds

INITIAL & FINAL IDLING DIFFERENCE: 78.5% REDUCTION (relative to the number of vehicles
observed and gallons of fuel consumed – initial vs final measuring)