

# GCC CARBON CALCULATOR

## REPORT SETTINGS

**Year end:** January 2025  
**Status:** Final  
**Distance unit:** miles  
**Fuel unit:** gallons  
**Currency:** USD

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## TRAVEL (FLIGHTS)

Route	Return/Single	Class	People	Total passenger distance (m)	Carbon (tCO2e)
SJC-BUR	Return	Economy	16	992	2.14

**Total distance (flights):** 992 miles

**Carbon footprint (flights):** 2.14 (tCO2e)

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## SHIPPING

### Road Freight (Truck/HGV)

Route	Return/Single	Weight inc. packaging (lb)	Distance (m)	Total distance (m)	Carbon (tCO2e)
SJ - SF (single cargo Class I van)	Return	400	54	108	0.04
NYC- SJ (shared cargo truck)	Single	127	2938	2938	0.07

**Total distance (road freight):** 3046 miles

**Carbon footprint (road freight):** 0.11 (tCO2e)

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## ENERGY

Premises/ Gallery Name	Country/ Location	Electricity (KWh)	Piped Gas (KWh)	% Share of Premises	Supplier	Carbon (tCO2e)
ICA San Jose	USA - California	35454	20606	100	PG&E;	6.05

**Carbon footprint (energy):** 6.05 (tCO2e)

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## Surface Travel (Commuting)

	Fuel Type	Fuel Volume	Distance Travelled	Carbon Factor	Carbon (kgCO2e)	Carbon (tCO2e)
(1)	Gasoline	8.4 gal	N/A—CO2e calculated using fuel volume	2.3540	74.6	0.07
(2)	Fully Electric	0 gal	24,000 miles (per year)	0.0472	1824.11	1.82
(3)	Hybrid	126.4 gal	N/A—CO2e calculated using fuel volume	2.527	1209.11	1.21
(4)	Gasoline	5 gal	N/A—CO2e calculated using fuel volume	2.3540	44.55	0.04
(5)	Gasoline	114.5 gal	N/A—CO2e calculated using fuel volume	2.3540	1020.56	1.02
(6)	Gasoline	397 gal	N/A—CO2e calculated using fuel volume	2.3540	3537.61	3.54
(7)	Gasoline	623 gal	N/A—CO2e calculated using fuel volume	2.3540	5551.11	5.55
(8)	Gasoline	5 gal	N/A—CO2e calculated using fuel volume	2.3540	44.55	0.04

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## Materials

For Exhibition Build(s)

	Label	Material	Amount Purchased	Carbon Factor	Carbon (kgCO2e)	Carbon (tCO2e)
(1)	Paint	Paint (waterbased)	41.64 litres (11 gallons)	3.204	131.36	0.13
(2)	Clear Rods	Plastics - acrylic	10 kg	3.75	37.5	0.04
(3)	2x4	Virgin wood	180 kg	0.31	55.8	0.06
(4)	Plywood	Virgin wood	554 kg	0.65	360.1	0.36
(5)	Portland Cement	Concrete	43 kg	0.132	5.68	0.01
Packaging and Disposables						
(6)	Cardboard	65% recycled cardboard	6kg	0.735	4.41	0.004
(7)	Tape	Packaging tape	8kg	3.63	29.04	0.03
(8)	Plastic Gloves	Gloves (nitrile)	2 packs	0.02	0.04	0.00004

## Other (Accommodation)

Country/State of Stay	Number of Nights	Number of Rooms	Type	Carbon Factor	Carbon (kgCO2e)	Carbon (tCO2e)
United States - CA	4	13	Hotel	16.1	837.2	0.84

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## SUMMARY

Flights	2.14 (tCO2e)	9%
Shipping	0.11 (tCO2e)	0.7%
Energy	6.05 (tCO2e)	26%
Surface Travel	13.31 (tCO2e)	57%
Materials	0.69 (tCO2e)	3%
Digital (website)	0.04 (tCO2e)	0.3%
Other (accomodation)	0.84 (tCO2e)	4%

Total carbon: **23.18 (tCO2e)**

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