

Technical Appendix

- a. The GHG annual reduction amount of 602 metric tons was calculated using the kilowatt-hours avoided (862,000) at city facilities by using solar power versus current electricity generation. The EPA's Greenhouse Gas Equivalencies Calculator was used for the calculation. Link: <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>
- b. Screenshot of calculation:

Step 1 - Enter and convert data

Select data to convert: ⓘ

- ☒ Energy data ⓘ
- ☐ Emissions data

Enter data:

Unit

Amount

- ☐ Gallons of gasoline
- ☐ Gasoline-powered passenger vehicles ⓘ
- ☒ Kilowatt-hours avoided ⓘ
- ☐ Kilowatt-hours used ⓘ
- ☐ MCF of natural gas
- ☐ Therms of natural gas

862000

Convert data

Clear Fields

Step 2 - View results

602 Metric Tons ▼ of Carbon Dioxide (CO₂) equivalent