**2 Answers:**



**CO**

**:**

**How Much Do You Spew?**

**TEACHER KEY**

The table below gives kilograms of CO2 per year for each category in the worksheet calculation for each scenario. Negative numbers are given in situations where the household is producing more energy from photovoltaic panels than they use.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Jetsetter Family** | **The**  **Retireanos** | **Farmer Family** | **Snow**  **Family** | **Conservatorias** | **Ursula Urbanite** | **Harriett Homeless** | **The Demos** | **Des Moines Family** | **Median Family** |
| Driving | 15200 | 1255 | 14494 | 15906 | 6314 | 1255 | 0 | 0 | 75313 | 44360 |
| Flying | 418420 | 5120 | 0 | 2580 | 100880 | 1280 | 0 | 0 | 1280 | 0 |
| Mass Transit | 0 | 480 | 0 | 0 | 3360 | 320 | 160 | 0 | 0 | 0 |
| Taxi/Limo | 546 | 109 |  | 54 | 2829 | 544 | 0 | 0 | 109 | 0 |
| Electricity | 32640 | -816 | 15504 | 0 | 6528 | 2380 | 1632 | -1632 | 9520 | 8160 |
| Heating Oil | 0 | 0 | 30280 | 0 | 15200 | 0 | 0 | 0 | 0 | 0 |
| Natural Gas | 0 | 0 | 0 | 0 | 19964 | 0 | 0 | 0 | 1730 | 60 |
| Propane | 0 | 360 | 0 | 45420 | 0 | 0 | 0 | 0 | 0 | 0 |
| **TOTAL** | 466806 | 6508 | 60278 | 63960 | 155075 | 5779 | 1792 | -1632 | 87952 | 52580 |
| Per person | 116702 | 3254 | 5023,167 | 15990 | 77537,5 | 2889,5 | 896 | -816 | 21988 | 17526,67 |

For more information about this activity, including a teacher’s guide, visit: <https://scied.ucar.edu/activity/co2-how-much-do-you-spew>



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