

25 STEPS OVER \$25

Lighting

CO₂ Reduction

- 1. Lighting typically accounts for 30% to 50% of energy use in most buildings. Replace standard incandescent bulbs with CFL bulbs, which use 75% less energy and last up to 10 times longer.
- 2. Replace incandescent exit signs with LED exit signs.
- 3. Open curtains to utilize natural lighting in the sanctuary, install sun tubes and sky lights to bring in natural sunlight. Be sure to equip with remote control blinds.
- 4. Install occupant sensors where lights tend to get left on.

450 pounds over lifetime of each bulb

Ten signs saves around 5,000 pounds of carbon per year, averaging around \$700 saved

Saves in direct proportion to electric-generated lighting it replaces

As much as 50% of lighting related CO₂ emissions

Domestic Appliances & Gadgets

CO₂ Reduction

- 5. Replace older refrigerator, washer and dryer, or dishwasher with ENERGY STAR models.

2,300 pounds a year, 1,300 pounds per year, 120 pounds per year respectively

Heating & Cooling

CO₂ Reduction

- 6. Upgrade air conditioning system with ENERGY STAR.
- 7. Add or improve the insulation of walls and ceilings. This can save about 25% on heating bills.
- 8. If you need a new furnace, install a new ENERGY STAR model or have your old furnace tuned-up every year.
- 9. If you need to replace your windows, install the best energy-saving models.

Min. of 185 pounds a year

Up to 2,000 pounds a year

2,000 pounds a year or 300 pounds a year, respectively

Up to 10,000 pounds a year

COOL CONGREGATIONS

Learn more at coolcongregations.org



Interfaith Power & Light

- 10. Plant trees next to your building. Evergreens on the north and west to break cold winds, and deciduous trees on the south and west for cooling shade.
- 11. Add air-gap window films to seal leaky windows in winter OR add low-e films.
- 12. Add insulation to your basement.
- 13. Seal and insulate warm air heating ducts.

About 2,000 pounds a year

400 and 380 pounds a year, respectively

750 pounds a year

800 pounds a year

Grounds & Water Conservation

CO₂ Reduction

- 14. Replace your standard electric hot water heater with an "on demand" hot water system.
- 15. Upgrade from electric/oil hot water heater to a gas hot water heater OR switch from an old gas model to a new ENERGY STAR model.
- 16. Reduce size of manicured lawns with native clover, grasses, and plants that requires much less watering and maintenance.
- 17. Replace auto-flush toilets with dual flush toilets. Install motion-activated water faucets on sinks.
- 18. Upgrade from electric/oil water heater to a gas water heater OR switch from an old gas water heater to a new ENERGY STAR model.

3,600 pounds a year

1,400 and 200 pounds a year, respectively

Lawns use up to 20 times more water than native and drought-resistant species

Cut toilet-related water use in half

1,400 and 200 pounds a year, respectively

Getting Around

CO₂ Reduction

- 19. When ready, replace the congregation's car, bus, or van with a low mileage model.
- 20. Buy a hybrid vehicle. The average driver saves \$3,750 a year.
- 21. Get engine tune-ups every year and regularly check your tire pressure.

About 10,000 pounds a year for each additional 10 mpg

16,000 pounds a year for the average driver

1,500 pounds a year

Renewable Energy

CO₂ Reduction

- 22. Install a solar hot water heating system.
- 23. Install solar electric system.
- 24. Install geothermal heating and cooling system.
- 25. Install a wind turbine for electric generation.

2,000 pounds a year

Approximately 13,000 pounds a year

Approximately 13,000 pounds a year

Approximately 13,000 pounds a year