

# 25 STEPS OVER \$25

## Lighting

## CO<sub>2</sub> Reduction

- 1. Replace standard incandescent bulbs with LED bulbs if possible, 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, install sun tubes and sky lights to bring in natural sunlight. Equip with remote control blinds.
- 4. Install occupant sensors and timers for lights in common areas.

450 pounds over lifetime of each bulb

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

Saves in direct proportion to electric-generated lighting it replaces

As much as 50% reduction

## Domestic Appliances

## CO<sub>2</sub> Reduction

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

Up to 3,600 pounds annually

## Heating & Cooling

## CO<sub>2</sub> 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 you can afford.
- 10. Plant trees near buildings. Evergreens on the north and west for cold winds, deciduous trees on the south and west for shade.

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

About 2,000 pounds a year

# COOL CONGREGATIONS

Learn more at [coolcongregations.org](http://coolcongregations.org)



Interfaith Power & Light

- 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.

400 and 380 pounds a year, respectively

750 pounds a year

800 pounds a year

## Grounds & Water Conservation

## CO<sub>2</sub> 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

## CO<sub>2</sub> Reduction

- 19. When ready, replace 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.
- 22. Install a solar hot water heating system.
- 23. Install solar electric system.

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

16,000 pounds a year

1,500 pounds a year

2,000 pounds a year

Approximately 13,000 pounds a year

## Renewable Energy

## CO<sub>2</sub> Reduction

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

Approximately 13,000 pounds a year

Approximately 13,000 pounds a year

50% reduction on water heating on average

Reduces emissions 50% on average, or more

Cool Congregations Challenge is a program of Interfaith Power & Light. More info at [CoolCongregations.org](http://CoolCongregations.org)