

## 2021 ESP Environmental Achievements

In 2021, the fifty-one (51) reporting member facilities collectively realized Indiana environmental achievements in the following areas:

Environmental Achievements	Comparison
Electricity usage reductions by 35,765,521 kilowatt hours	Saved enough electricity to power 3,260 Indiana homes for one year. <sup>1</sup>
Natural gas usage reductions of 887,691 MMBtu	Reduced the amount of natural gas and propane that would be used in 9,413 homes in one year. <sup>2</sup>
Diesel usage reductions of 15,440 gallons	Reduced the amount of diesel fuel that would fill 618 Class B Recreational Vehicles. <sup>3</sup>
Non-hazardous material use reductions by 1,251,341 pounds	Pounds of non-hazardous material usage reduced is equivalent to 104 adult African elephants! <sup>4</sup>
Hazardous material use reductions by 8,941 pounds	Pounds of hazardous material use reduced is equivalent to 0.75 adult African elephants. <sup>4</sup>
Reduction in hazardous waste by 113,757 pounds.	Reduced hazardous waste by a weight equivalent to about 47 subcompact cars. <sup>5</sup>
Water usage reductions by 113,090,985 gallons.	Reduced the amount of water usage enough to fill nearly 171 Olympic sized swimming pools. <sup>6</sup>
Increased recycling by 28,119,798 pounds	Increased recycling by a weight equivalent to about 5,624 full-sized passenger trucks. <sup>7</sup>
Increased land and habitat conserved by 25 acres.	Increased the amount of land conserved that would have yielded an average of 4,547 bushels of corn in Indiana. <sup>8</sup>
Reduction in waste sludge of 320,702 gallons.	Gallons of reclaimed hazardous waste is equivalent to 20,690 full size beer kegs. <sup>9</sup>
Chemical use reductions by 196,800 gallons.	Gallons of chemical use reduced is equivalent to 4,686 full bathtubs. <sup>10</sup>
Air emissions reductions by 139,327 pounds of Volatile Organic Compounds (VOCs), 14,000 pound of Carbon Monoxide (CO) and 9,650 pounds of Particulate Matter (PM).	Decreased air pollution by the weight of 8,149 boxes of copier paper. <sup>11</sup>
Air emissions reductions in Greenhouse Gases (MCO <sub>2</sub> E) by 3,083.	Greenhouse gases of 666 passenger vehicles driven for one year. <sup>12</sup>

1. Electricity: average of 10,972 kWh per home annually in 2018 according to U.S. Energy Information Administration (U.S. EIA)
2. Natural gas: The average Midwest household consumes 94.3 million British thermal units (Btu) a year, according to U.S. Energy Information Administration (U.S. EIA) 2015 survey data. There are 91,452 Btus in 1 gallon of propane.
3. Average Class B Recreational Vehicle or motorhome tank holds 25 gallons.
4. According to the World Wildlife Fund, an average adult African elephant weighs about 12,000 pounds.
5. On average, a subcompact car weighs 2,433 pounds.
6. Olympic Swimming Pool can hold 660,000 gallons of water.
7. Average pick-up truck weighs 5,000 pounds.
8. Indiana yields on average 181 bushels of corn per acre.
9. One full size beer keg (1/2 barrel) on average holds 15.5 gallons.
10. When filled to capacity (just below the overflow), a standard bathtub holds 42 gallons, according to a 2014 University of Sacramento study.
11. An average box of 8.5 inch x 11 inch copier paper weighs 20 pounds.
12. According to U.S. EPA Greenhouse Gases equivalencies calculator, a passenger vehicle emits an average of 4.63 metric tons CO<sub>2</sub>e per vehicle per year.