Solar Interventions in Yemen

Supporting Resilient Livelihoods and Food Security (ERRY II)

Contributing to the reduction of GHG (Green House Gases) Emission, Climate Security, and Environment Protection

Target Areas

Hajjah
Hodeidah
Taiz
Lahj
Abyan

Number of Installed Systems

Activity

- Solar systems for public facilities (health, education, productive assets)
- Solar for households
- Solar vaccine refrigerators for health centers
- Solar pumps for irrigation
- Solar drinking water and desalination
- Solar microgrid plants
- Solar for public markets

Total CO\textsubscript{2} Reduction tonnes

- 26,203 tonnes

CO\textsubscript{2} emissions from

- 1.1 M propane cylinders used for home barbecues
- 4,760 home electricity use for one year
- 29 M pounds of coal burned
- 2.6 M gallons of diesel consumed
- 2.95 M gallons of gasoline consumed

Greenhouse gas emissions avoided by

- 8,913 trash bags of waste recycled instead of landfilled
- 1,273 incandescent lamps switched to LEDs
- 1.11 M trash bags of waste recycled instead of landfilled
- 5.5 M pounds of coal burned
- 993,132 incandescent lamps switched to LEDs

- 179 acres of forest, preservation measures to complete in one year
- 32,104 trees of forest in one year
- 433,277 tree seedlings grown for 10 years

Carbon capture by

- 1.1 M propane cylinders used for home barbecues
- 4,760 home electricity use for one year
- 29 M pounds of coal burned
- 2.6 M gallons of diesel consumed
- 2.95 M gallons of gasoline consumed

- 8,913 trash bags of waste recycled instead of landfilled
- 1,273 incandescent lamps switched to LEDs
- 1.11 M trash bags of waste recycled instead of landfilled
- 5.5 M pounds of coal burned
- 993,132 incandescent lamps switched to LEDs

- 179 acres of forest, preservation measures to complete in one year
- 32,104 trees of forest in one year
- 433,277 tree seedlings grown for 10 years