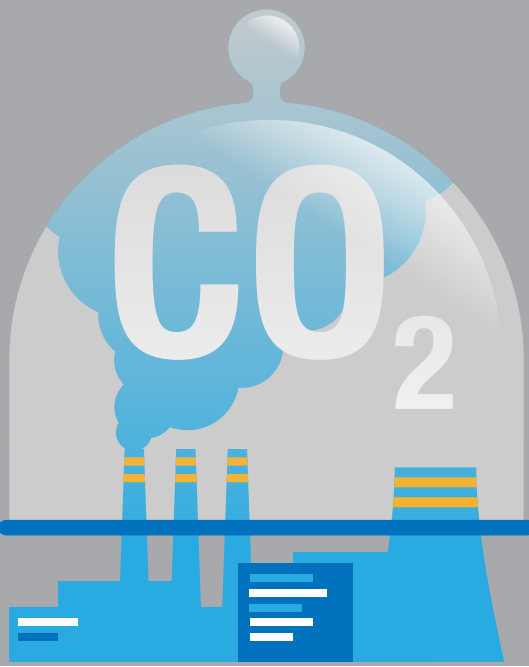


# Solar Interventions in Yemen



## Supporting Resilient Livelihoods and Food Security (ERRY II)

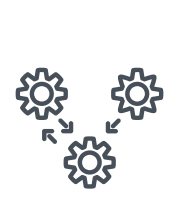
Contributing to the reduction of GHG (Green House Gases) Emission, Climate Security, and Environment Protection



### Target Areas

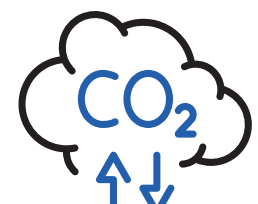


Number of Installed Systems

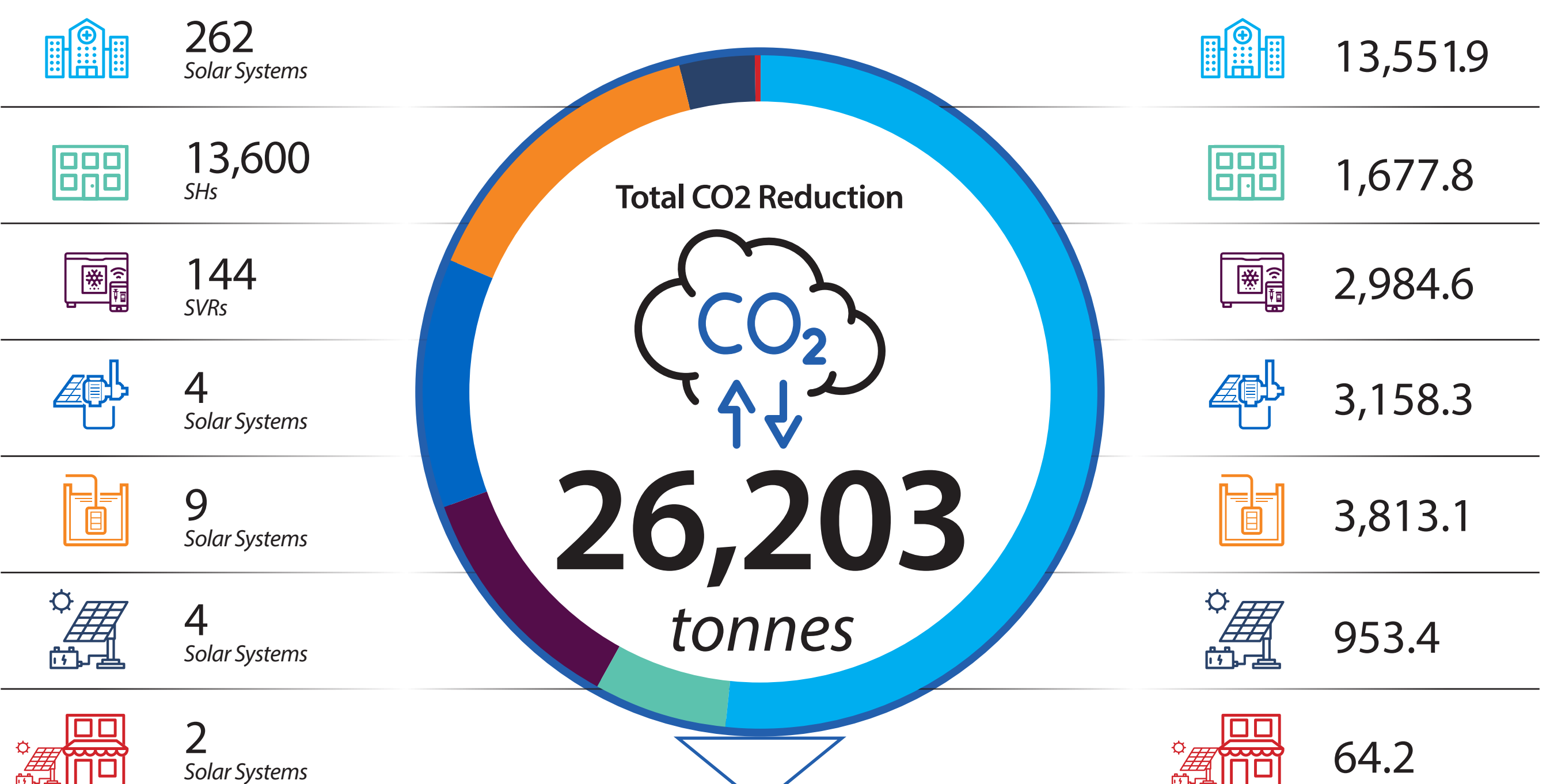


Activity

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



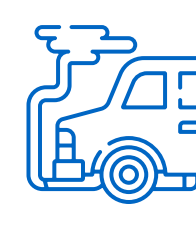
Total CO2 Reduction tonnes



equivalent to



65,854,078 miles driven by an average passenger vehicle



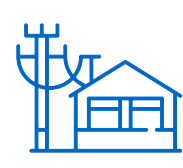
5,699 passenger vehicles driven for one year

Greenhouse gas emissions from



1.1 M

propane cylinders used for home barbeques



4,760

home electricity use for one year



29 M

pounds of coal burned



2.6 M

gallons of diesel consumed



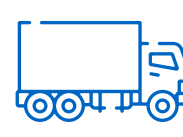
2.95 M

gallons of gasoline consumed

CO2 emissions from



8,913 tons of waste recycled instead of landfilled



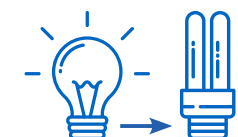
1.273 garbage trucks of waste recycled instead of landfilled



1.11 M trash bags of waste recycled instead of landfilled



5.5 wind turbines running for a year



993,132 incandescent lamps switched to LEDs

Greenhouse gas emissions avoided by



179

acres of forests preserved from conversion to cropland in one year



32,104

acres of forests in one year



433,277

tree seedlings grown for 10 years

Carbon capture by