Solar Energy Potential in Health Facilities in the Gaza Strip

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Map produced by UNDP/PAPP.

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Map Data Sources: UNDP, WHO, and OCHA

**Current Situation**

- **73%** of hospitals (11 out of 15) installed PV System
  - **623 kWp** installed in 11 hospitals
- **64%** of PHCs (21 out of 59) installed PV System
  - **207 kWp** installed in 21 PHCs

**Solar Energy Potential**

- **94%** of hospitals (14 out of 15) suitable for PV system integration
  - **3.41 MWp** potential solar capacity for hospitals
- **86%** of PHCs (51 out of 59) suitable for PV system integration
  - **1.028 MWp** potential solar capacity for PHCs

**Financial Feasibility**

- **US$ 14 Million**
  - The investment costs of solar energy in hospitals
- **US$ 2.1 Million**
  - Annual savings for hospitals
  - **6.6 years** payback period for hospitals
- **US$ 4.23 Million**
  - The investment costs of solar energy in PHCs
- **US$ 0.5 Million**
  - Annual savings for PHCs
  - **8 years** payback period for PHCs