

# Monthly Work Report for Engineering

---

**Title:**

Work Report – Solar Panel Installation Project

**Date:**

October 17, 2024

**Prepared By:**

Emily Carter, Electrical Engineer

**Project:**

Green Energy Solutions – Solar Panel Installation

## 1. Introduction

This report summarizes the progress and activities for the solar panel installation project during the week of October 10-16, 2024, covering completed tasks, issues, and plans for the next phase.

## 2. Summary of Tasks and Activities

- **Site Assessment and Preparation:**
  - Conducted site inspections to evaluate structural integrity for panel mounting.
  - Marked panel locations based on optimal sun exposure.
- **Installation of Solar Panels:**
  - Mounted and secured panels for Section A, completing 60% of installations.
  - Began wiring setup to connect panels to the inverter system.
- **System Testing:**

- Performed initial testing on the installed panels, checking for electrical output and alignment.

### 3. Results and Achievements

- **Installation Milestone:** Successfully completed panel installation for 60% of Section A, meeting the project timeline.
- **Positive System Test:** All installed panels are functioning within expected electrical output parameters.

### 4. Challenges and Solutions

- **Challenge:** High wind conditions delayed installation for two days.
  - **Solution:** Adjusted the schedule to focus on wiring work indoors and resumed outdoor installation when conditions improved.

### 5. Upcoming Tasks

- **Complete Installation for Section A:** Finish remaining 40% by October 24, 2024.
- **Electrical Integration:** Connect all installed panels to the main inverter and begin comprehensive system testing.
- **Safety Inspection:** Schedule a final safety review before moving on to Section B installations.



