

Solar Panel Installation Case Study

☰ Tags	Analysis
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Objective:

1. Determine whether we should install solar panels now.
 - a. Identify the Benefits
 - i. Energy Production over Lifespan
 - ii. Electricity Costs over Lifespan
 - iii. Housing Appreciation
 - b. Identify the Costs
 - i. Installation Costs
 - ii. Maintenance Costs
 - iii. Government Subsidies, Deductibles, and Credits
2. Install the Solar Panels
 - a. Research Installation Companies
 - b. Present a Proposal and Presentation
 - c. Contact Companies for Consultation and Installation

Evaluate Solar Panel Installation

Goal: Gain permission to request free consultations from companies.

Identify the Benefits

For each 1 kWp of capacity installed, we would expect to save:

- \$109 the first year and an average of \$172 a year for 25 years.
 - A total of \$4,488 over 25 years.
- An additional \$2000 to home value or 3-4%

Benefits of Solar Panels Installation

Identify the Costs

For each kWp it costs approximately

- ~\$2000 for the first 5 kWp then \$3000 afterwards.
- ~\$600 after including Tax Credits and Capital Cost Allowance

Maintenance:

- Spray with hose twice a year.
- Inspection is \$150 a year.

Costs of Solar Panel Installation

Additional Considerations

- Home Insurance
- Net Metering
- Rental Property Fees
- Roofing Issues
- Weather Risks

Additional Considerations

Todo List

Before Proposal

1. ~~Ask for last roofing date.~~
 - a. 123 Whitburn - 2014
 - b. 842 Cochrane - 2020
 - c. 429 Adelaide - 2017
2. ~~Call home insurance provider about solar panel installations.~~
 - a. Covered by Insurance
 - b. No Change
3. Ask for electricity bill for home.
 - a. ~100 to 200 a month
4. Call power company about net metering.
5. Call solar panel installers for information about:
 - a. Solar Panel Removal.
6. Create a half page proposal.

After Proposal

1. Discuss Utility Splitting with Tenants
2. Ask for free consultation