

STUDENT TERM PROJECT

Project Name: **Photovoltaic System Financial Cost Analysis**

Project Description:

You will continue your project from ESS 30, and assume the roll of a PV system designer of a solar installation company. Your job is to now create a financial cost proposal for a potential solar customer.

You will use the tools you are learning in class to analyze the electric bills and come up with a system design to **cover 75%** of the energy consumption in the house. Your system will be grid tied without a battery back up.

Project Specifications:

1. Log onto the Clean Power Finance (CPF) website:
<https://tools.cleanpowerfinance.com/user/signup> and sign up for the 14 day trial.
2. Once you sign up, you will have 14 days to complete your project.
3. Use the system sizing information from your ESS 30 project and plug into the Clean Power Finance tool. Make sure this time that the system is sized to cover only 75% of the electric usage of the residence. Price your system and create the Financial Cost Analysis report.
4. Print your report.
5. You will then complete the Life Cycle Cost spreadsheet from the CD-ROM in your book, use the info and sample in Chp. 15 to help you complete this.
6. Put the CPF report and completed Life Cycle Cost sheet in a folder to turn in.
7. You will be presenting your report data to the class in one of the final class sessions.

Due Date: 5/13/13

Note: This is a project that you may present to an industry interviewer. The better job you do and the better it looks, the better impression you can make! Therefore the more \$ you can ask for when they hire you!!!