

## STUDENT CLASS PROJECT

**Project Name:**        **Create-A-Lab Project**

### **Background:**

You have now experienced many PV Labs from the formal lab manuals from our PV program. It is now your turn to create a lab for our advanced students. This is an opportunity for you to become the instructor and create a new lab!

### **Project Description:**

We want to setup a new lab to be done here on campus using the supplies and equipment we have in inventory. **This will be done with our full size modules and ground mount equipment or rolling panel carts, and our plug-in grid-tie or off-grid carts.** Use your previous lab books as an example to create a complete lab based on the following criteria.

### **Project Specifications:**

1. Inventory the supplies, parts and equipment (mentioned above) that we have for our program for the proposed lab you want to create. [This may be given to you from our lab tech.]
2. Select the system components from what we have available and create a *Parts List* to include in the instructions for the lab.
3. Create a simple to follow *set of instructions in our Lab Manual format – with Learning Objectives, Safety Alerts, and Complete Instructions in step by step format* for the execution of the lab. Also, come up with a *title* for your lab.
4. Create a *list of questions* to be answered during the execution of your lab.
5. Formally present the lab instructions to the class.
6. Once your Create-A-Lab Project is complete we will review as a class and actually perform one of the most comprehensive projects from one of the students in our class.

### **What to Turn In:**

Your typed lab stapled together – include all sections above (you will be Graded upon including each section that is noted above). Keep one copy for yourself for your class presentation.

**Due Date: 3/14/13**

**Worth 50 Points**

**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!!!