

## **Assignment 1 Final report check list (things I would like to see)**

This is a guide as to what I would expect to see in your report. I am interested in seeing that you have learned the lecture material, especially around the process of sizing nano/microgrids. So, I will be looking for evidence of learning and insights into the process/results. What this means is, the following list is the “bread and butter” of your report, if it’s all included with no real explanation or insight, you will pass the assignment. However, to get a higher grade, I will be looking for analysis and discussion. Now, that being said, you need to keep this under 10 pages.

- Introduction and motivation
- Environmental analysis of the location
  - o Justification of choices
  - o Topographical discussion
  - o Analysis of available resources
- Load information about each household
- Sizing of pure solar
- Sizing of pure wind
- A comparison between the solar and wind discussion
- Design and discussion on hybrid system
- Final results for each nanogrid
  - o Installed capacities
  - o Prices
  - o Unmet load
- Sizing of the centralised microgrid
- Comparison between centralised solution and interconnected solution
- Recommendations to the “client”
- Reflection on the process
- Reflection on the assignment (unmarked) – This is just for me so I can improve it for next year. While you don’t have to do it, I would really appreciate it.