Lab 10 – Simulation Instruction

⌘ 1.Project Site:
- Your own (or your parents) location

⌘ 2. Site Information
- A single family house
- PV [DC output] + Storage (battery) + Converter

⌘ 3. Load Information
- Average monthly electric consumption: 600 kWh/Month
  - ☒ Daily electric consumption: 20 kWh/day

⌘ 4. Build a micro-power system using HOMER Quickstart
- Find the configuration (i.e., size of each equipment of the system) for the lowest COE (cost of energy) of the Result page.
- Find the COE [$/kWh]
- Verify the COE using the information from the Input/System Report
- Find the electricity energy rate from the monthly bill for the home from the local power company.
- If the lowest COE is higher than the rate of the local power company, what are you going to do?

⌘ 5. Lab 10 Report

Write your report with the information gained from #4 above.

 * Submission due: