Fuel Cell/Geothermal Sustainable Energy: Software Solution Considerations System Design Team

- Take advantage of government subsidies and grants to lower initial costs.
- Offer commercial facilities: stores, restaurants, and offices to attract buyers. These will also use electricity more efficiently, increasing cost-effectiveness of the system.
- Provide facilities to charge hybrid electric vehicles at night, and other incentives to use electricity at offpeak hours.



Economics



Natural Gas 4.4 Cubic meters per minute

Program Data Input:

IF specific data is not known, the user imports the area of the surfaces to be considered. IF The user has specific knowledge the program can take the following values: ⇒Location of Project \Rightarrow Electrical Power ⇒ Max Heat ⇒Number of Buildings \Rightarrow Type of Buildings ⇔ Other Values Results: The Program sizes the System Gives Heat Pump and Fuel Cell Configurations Optimizes Cost







Subteams: Design



For Future Semesters Gather Climate, Energy, and Law/Economic data from other locations around the world \Rightarrow Continue Developing a more in-depth algorithm \Rightarrow Focus more on the software side of the project Test Software against Real-World Projects





7 Cubic meters Heat Storage



Economics Environment Ethics Deliverables

Recommendations