BUSINESS CASE

Proposed Project	SolarSize
Date Produced	October 7, 2021
Background	There is not a good way to quickly size the needs of a customer, with respect to their individual circumstances. Two organizations may use the same amount of power, but the PV solution may be completely different. This is because of aspects like the solar intensity of a location, or the physical makeup of an organization's space, where they would install these solar generators. Being able to profile, and give accurate information about a solar solution, would help customers make better choices, and maximize their ROI.
Business Need/ Opportunity	GreenWave clients want to ensure their investments into solar power generation have a return on investment that they desire. Solar generation can offset the costs of power used by an organization. When the power generated by solar matches power used by the organization, it is counted as a full credit, but any over generation is counted as a half credit on their monthly bill. Creating a tool that allows better sizing of solar solution, would help fulfil a desire that currently is unmet in the market
Options	1. Build a standalone web app that is separate from other Greenwave business domains 2. Integrate a web app into Greenwave's currently existing business domain 3. Build a mobile tool, in addition to a web app. 4. Do nothing

Benefit-Drawback Analysis

Option#	Benefits	Drawbacks
#1	● Easier to develop ● Less constrained requirements ● Better distinguishing of work between students and employees	● Not connected to the Greenwave business domain ● Have to maintain multiple services ● Greenwave would prefer eventual integration
#2	● Better integrates into the business routine of Greenwave ● Greenwave wants eventual integration	● Limited to technologies used by Greenwave ● Integration could cause extra problems ● Requires additional diligence for sensitive information (e.g. greenwaves coding solutions)
#3	● More robust use cases ● Mobile is extremely popular in the websphere ● Better performance	● More difficult to develop ● Needs to be downloaded ● Must be approved by 3rd party (google store) ● More expensive to maintain
#4	● Free ● No commitment	● Project Required by class ● Leaves a niche of solar sizing unmet

Recommendation

Undecided at this time