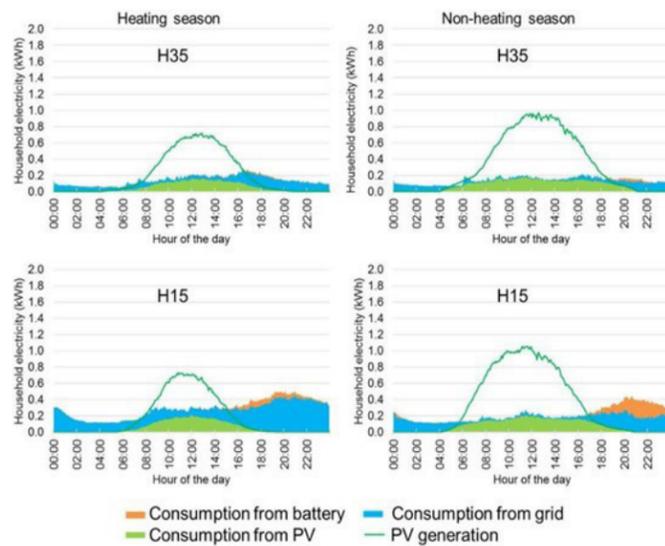
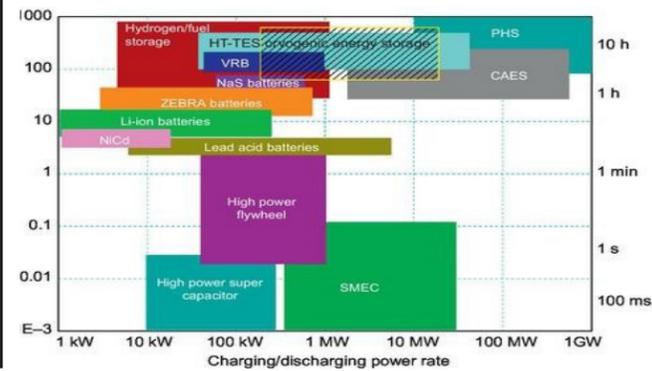


# Alternative Redistribution of Residential Solar Energy

## Abstract

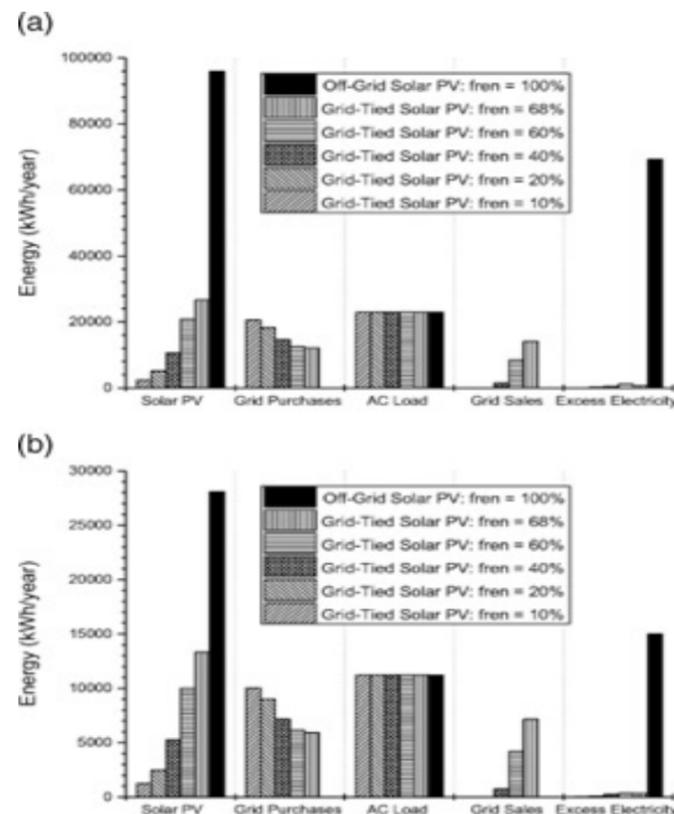
**Current system-** any additional solar electricity that is produced from a residence is then rerouted to power stations and the owner is compensated at a rate set by the power company.

**Proposed System -** any additional solar electricity that is produced from residence is diverted to other facilities tied into the local power grid, these locations are determined by the owner and if priced it is determined by the owner and the recipient.



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The use of solar panels on residential structures has been prevalent since the mid 1970's and over the decades their presence has become more pronounced and more valued. The creation of energy on-site using clean methods for an individual is truly a remarkable feat. As solar panels become increasingly common, so do the inherent issues and their supporting infrastructure. Of these issues a common inconvenience is what owners are to do with extraneous energy. What this entails is that an owner typically does not have means to store energy that is created in surplus, the resulting solution is the power companies redirect the energy as they see fit and compensate the owner accordingly. This paper will begin with the analysis of current residential solar systems and propose an alternate solution for the redistribution of excess solar energy. The focus of the paper will be the perceived effect, among homeowners, of having control over how excess energy is distributed.

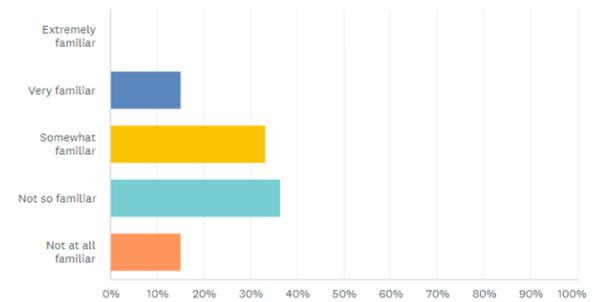


### Conclusion

The research that was collected suggests that the traditional method of grid tied residential solar systems is more appealing to consumers and thus serves the community better than the proposed system. However, in coming to this conclusion the data demonstrated that further control over conditions and resale as well as additional information are highly appealing to consumers. The combination of these two results demonstrates that there is a desire for more independent control over resale and other aspects of the redistribution of solar energy, but not in the capacity of the proposed method. Solar energy has become a central component to renewable energy and the future of energy demands around the world.

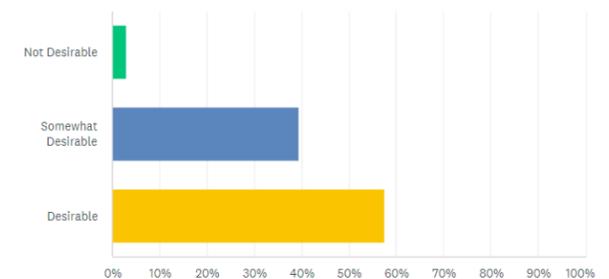
How familiar are you with the current electrical grid system and its functions?

Answered: 33 Skipped: 0



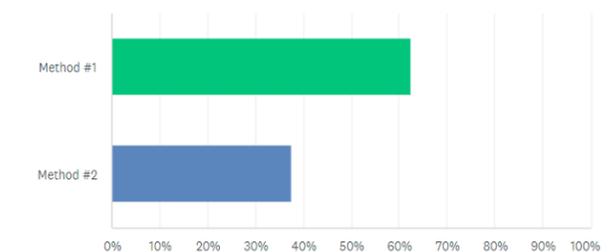
Does more control over solar energy distribution in your community make solar power more or less desirable?

Answered: 33 Skipped: 0



Based on the project description in the attached email, does Method #1 or Method #2 sound more desirable to you?

Answered: 32 Skipped: 1



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