



## WHAT SOLUTION DID YOU CHOOSE?

### Microgrids

- A microgrid is a localized grouping of distributed energy sources, like solar, wind, in-stream hydro, and biomass, together with energy storage or backup generation and load management tools
- The use of local supply to serve local demand makes them more resilient and reduces energy lost in transmission and distribution
- Microgrids also aid human and economic development

## WHY DID THIS SOLUTION RESONATE WITH YOU?



### Green Energy

Great solar potential  
Sun Number™: 90 ?

I have always been interested in ways to make my living situation more environmentally friendly. I have long looked at solar panels on homes, hoping that someday I would be able to implement them into my own life. As my fiancé and I have been house shopping recently, I was shocked to find that renewable energy production was a fact listed on all of the information sheets for each house. There are certain up-and-coming parts of San Antonio that have plans to contribute to the idea of being a Microgrid. As we get closer to finding a home, it is so exciting to think that we have an opportunity to be part of something as revolutionary as this. Being part of a community like this is a dream come true for me!

## WHAT SURPRISED YOU?



I was surprised to find out that Microgrids are a more feasible option for communities in developing countries around the world. This is due to the fact that Macrogrids are much more expensive, take much longer to develop, and require extensive maintenance quite frequently.

I was also shocked to find out that Microgrids are a perfect solution for low-income housing areas. Because residents in these areas are able to detach from the grid, they are able to source their energy use from that which they produce themselves. Especially if these, say solar panels, are installed and owned by the government, this is a prime example of a way to enable the less fortunate climb their way out of poverty.

## HOW CAN I ENHANCE THE SOLUTION?

I can help to enhance the solution by taking part in research to improve the cost of photovoltaic cells utilized in solar panels. It is because of these cells that the price of the solar panels remains so high. A way though which I can help this cause is by encouraging the political leaders of our nation to subsidize these efforts. With the help of the government, we may be able to implement more of these programs nationwide.

Additionally, another issue that arises from the solar cells is their lack of appeal. In my parent's neighborhood, they are banned from installing solar panels due to guidelines of the Home Owner's Association. It is with this information that I would like to be part of the solution. I believe that we can make solar cells that are durable, productive, and pretty. I would like to help in making solar tile shingles that would follow these regulations and help the planet!

## SOCIAL MEDIA POST



**Victoria Nation**  
Just now · 🌐 · 📍

Did you know that a microgrid in your neighborhood could have the potential to generate enough electricity for you and all of your neighbors? If you could, would you do it?

backup generation and load management tools. The use of local supply to serve local demand makes them more resilient and reduces energy lost in transmission and distribution. Microgrids also aid human and economic development because they are a more viable option for power in low-income areas and developing countries.

This could be our future, if you are willing to contribute! Clean energy, capture off of the roof of your own home. What is cooler (or should I say hotter!) than that?

Turning Green SambazonProject Drawdown #PGC2017

A photograph showing a row of colorful houses (red, blue, white) with solar panels installed on their roofs. The houses are modern and have a clean, organized appearance. The sky is clear and blue.

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