

# Sol Stealers Inc.

“Sol For The Souls”





# The Team

## CEO :

Emmili Aguero

## Engineering Subleader :

Emilio Mendoza

## Marketing Subleader :

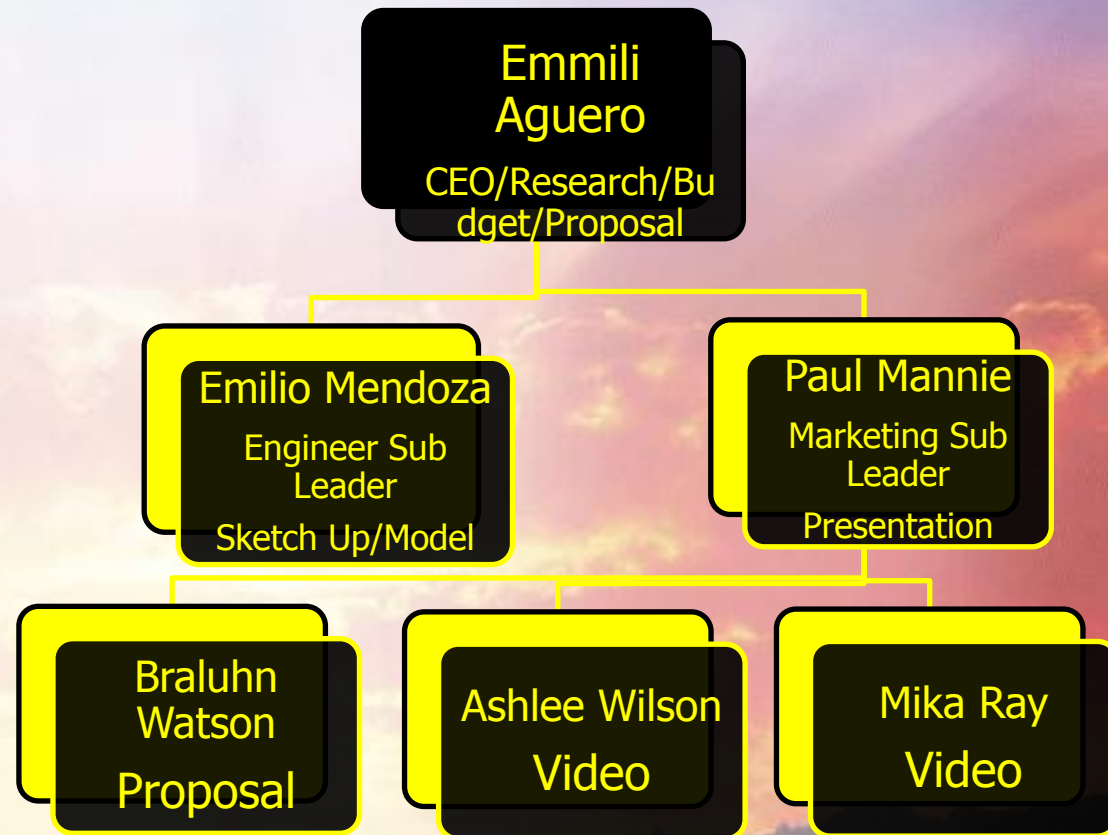
Paul Mannie

## Team Memebers :

Tamika Ray –Research

Ashlee Wilson-Video

Braluhn Watson-Proposal





# Mission Statement

- Concept
  - Energy for the colonia's.
- Opportunity
  - Cheaper power for the low income households in the colonias.
- Potential
  - New income source for TEES.





# Market Summary

- Gas power, And illegal grid energy only competition
- this system is a lot more cheap, efficient, and reliable then any other energy choice.





# Opportunities

- No reliable energy source to compete with.
- Residents are willing to pay \$2/kWh
- Austin Energy charges only 4 cents.
- TEES is able to create a new market.
- The opportunities in this investment are vastly more numerous than any risk associated with them and we suggest that TEES proceed immediately with this project.





# Business Concept

- Our business concept is to provide electricity to people in the Colonia's near Laredo.
- we will be combining wind and solar power to provide the electricity needed to power these homes.
- This hybrid system will cost \$265,000 including labor and extra parts.
- it should make us \$312,000 after 5 years
- Giving us a profit of \$47,000 after just 5 years and should be a new and very rewarding income source.
- Our break even point is in 4.5 years.





# Client

- Colonia are currently paying \$3 dollars/kWh.
- They are low income house holds with 2-3 families in some homes.
- They do not have water, electricity or waste system.





# Goals and Objectives

- We plan to be making a steady profit in 5 years.
  - We have set the price/kWh at 2 dollars so that this goal can be reached.
  - Also we suggest that TEES offers energy saving seminars to help the power use in the colonia.
  - If these seminars get good attendance this could lower the cost of the overall system.





# Load For One Home

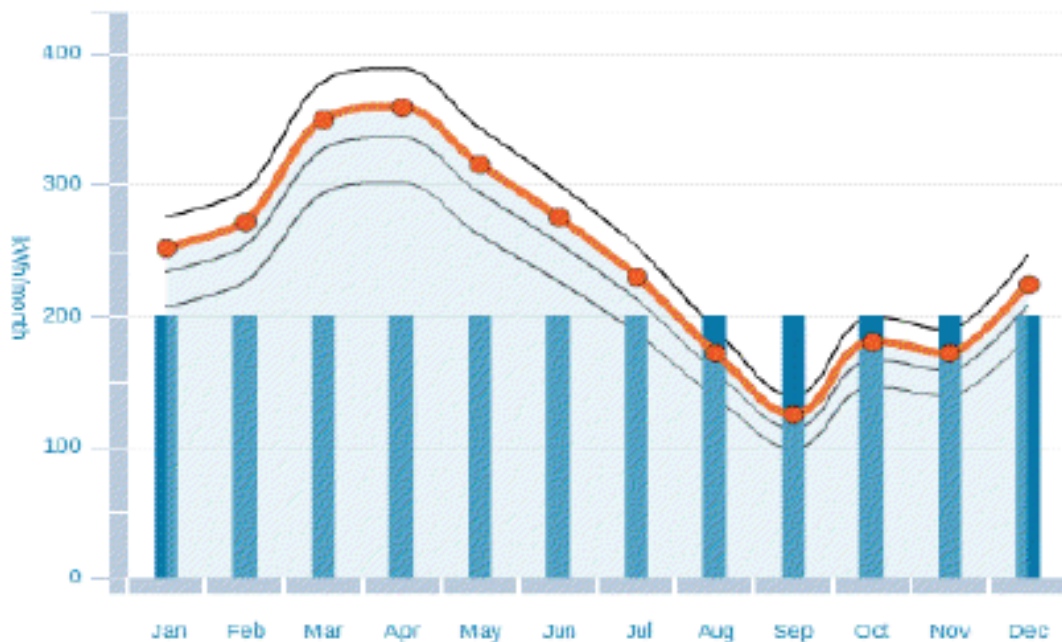
## Load Analysis

Load Description	Qty.	Power Rating (W)	Operating Time (hr/day)	Energy Consumption (Wh/day)
Table Fan	3	25	24	1800
Energy Star Freezer	1	110	12	1320
Flourescent Light Bulbs	10	16	4	640
Cell Phone Charger	2	20	3	120
Stereo	1	50	2	100
Lap Top	1	140	6	840
T.V.	1	160	6	960
Daily Load (Watts)				5,780
Monthly Load (Watts)				173,400
Monthly Load (Kw)				173.4
Austin Pricing (\$0.04 per KW)				\$6.94
La Presa Pricing (Now - \$2.50 per KW)				\$433.50



# Load For One Home

Energy Production and Use by Month



Energy offset with 1 windmill for 1 house. This with our entire system will offset our energy by 40%



# Financials

Part/Component	Price	Quantity	Total Price
Concorde PVX-1040T Sun-Xtender	\$294.20	195	\$57,369.00
Helios Solar Works 255W	\$499.00	100	\$49,900.00
Skystream 3.7 (Labor included)	\$16,000.00	5	\$80,000.00
Wireing	\$15,000.00	1	\$15,000.00
Sunny Island 3324 / 4248 / 4248-US	\$4,165.34	7	\$29,157.38
Fence	\$5,200.00	1	\$5,200.00
Shipping Container	\$3,350.00	1	\$3,350.00
Labor/Extra Parts	\$25,000.00	1	\$25,000.00
Total			\$264,976.38



# Financials

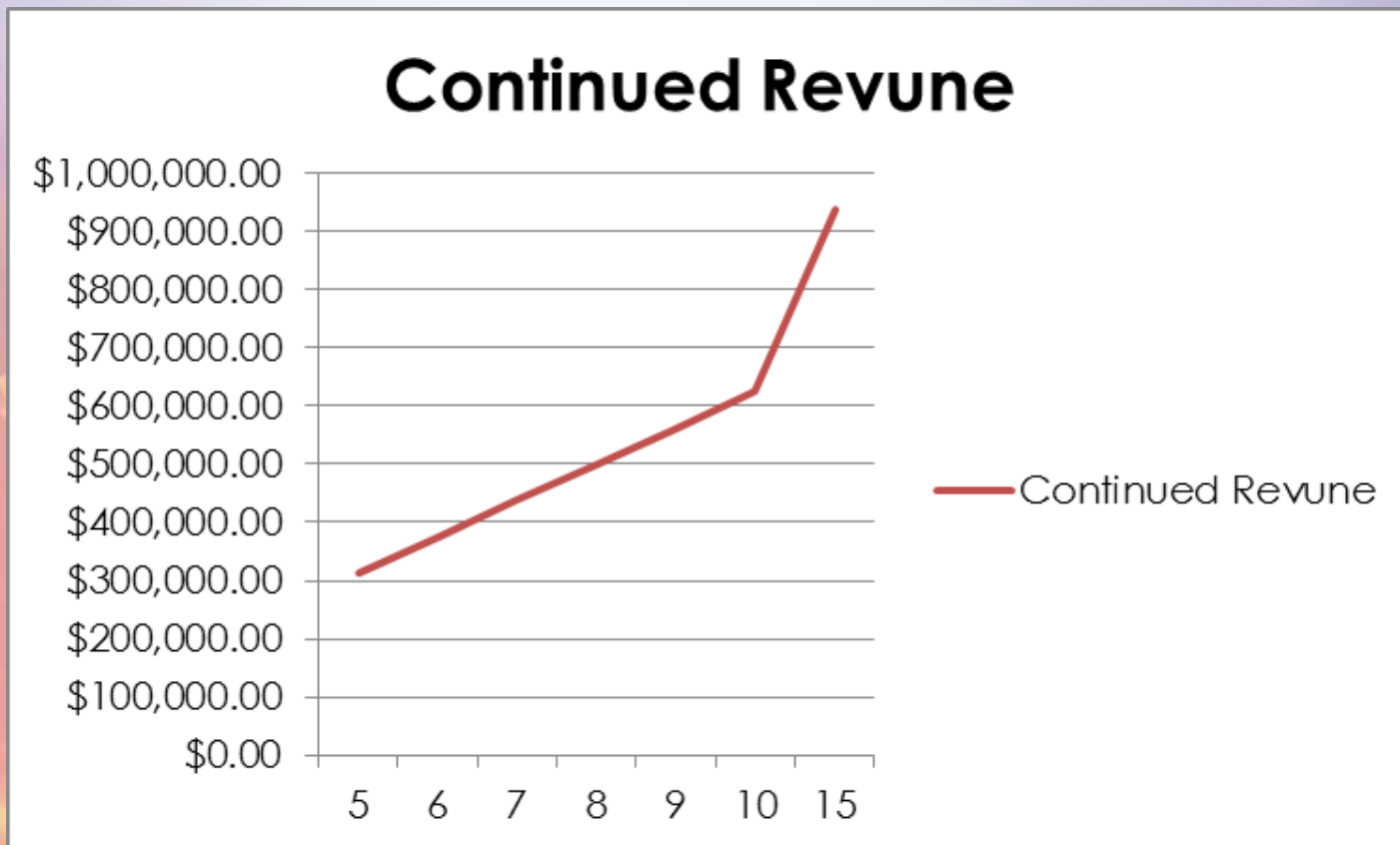
\$62,424.00	Year from 15 houses
\$312,120.00	5 Year Revenue
\$374,544.00	6 Year Revenue
\$436,968.00	7 Year Revenue
\$499,392.00	8 Year Revenue
\$561,816.00	9 Year Revenue
\$624,240.00	10 Year Revenue
\$936,360.00	15 Year Revenue

\$346.80	Month
\$4,161.60	Year from 1 house

Year	Payment
5	\$312,120.00
6	\$374,544.00
7	\$436,968.00
8	\$499,392.00
9	\$561,816.00
10	\$624,240.00
15	\$936,360.00

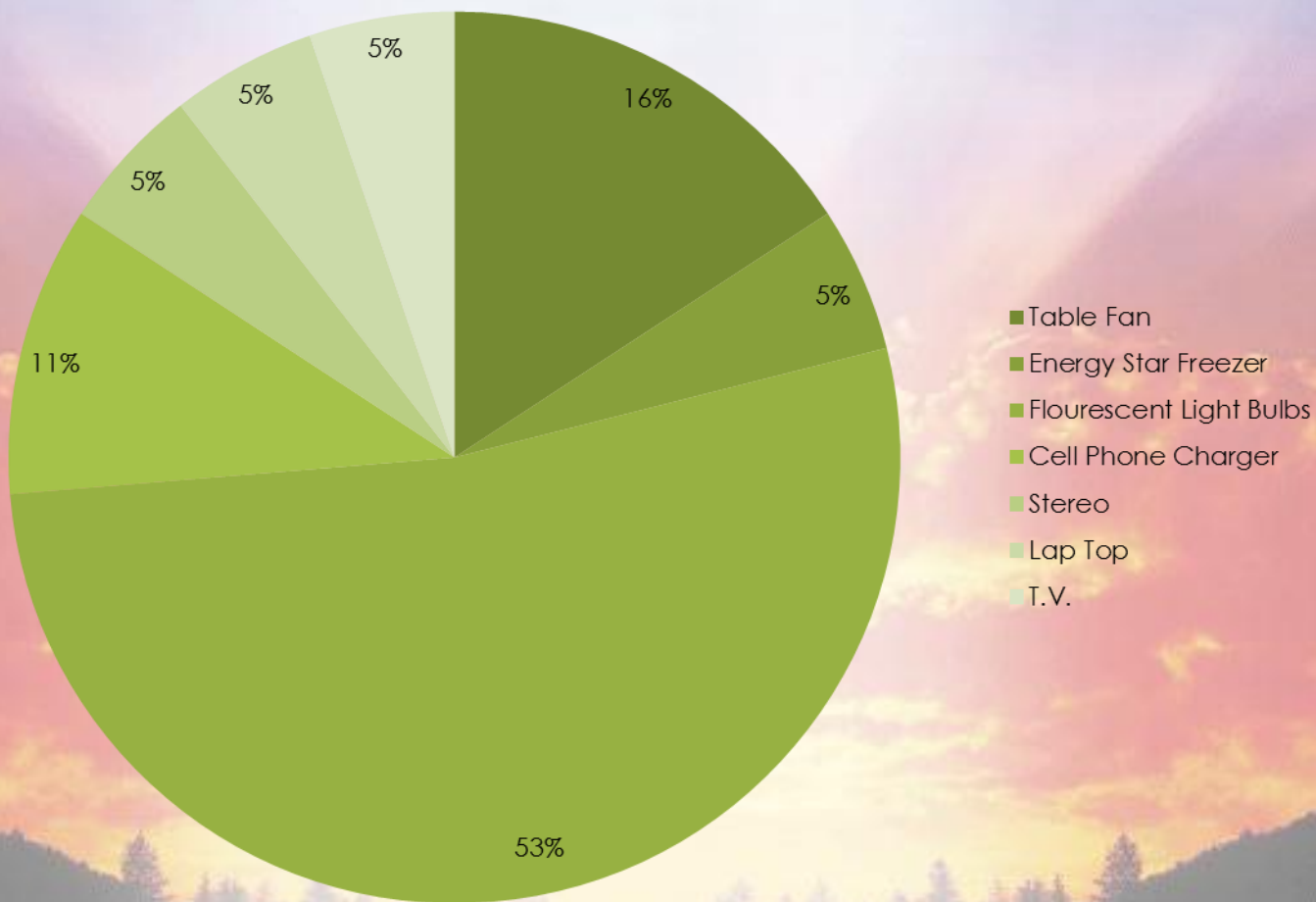


# Financials



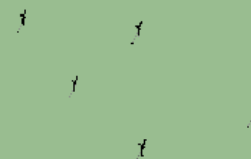
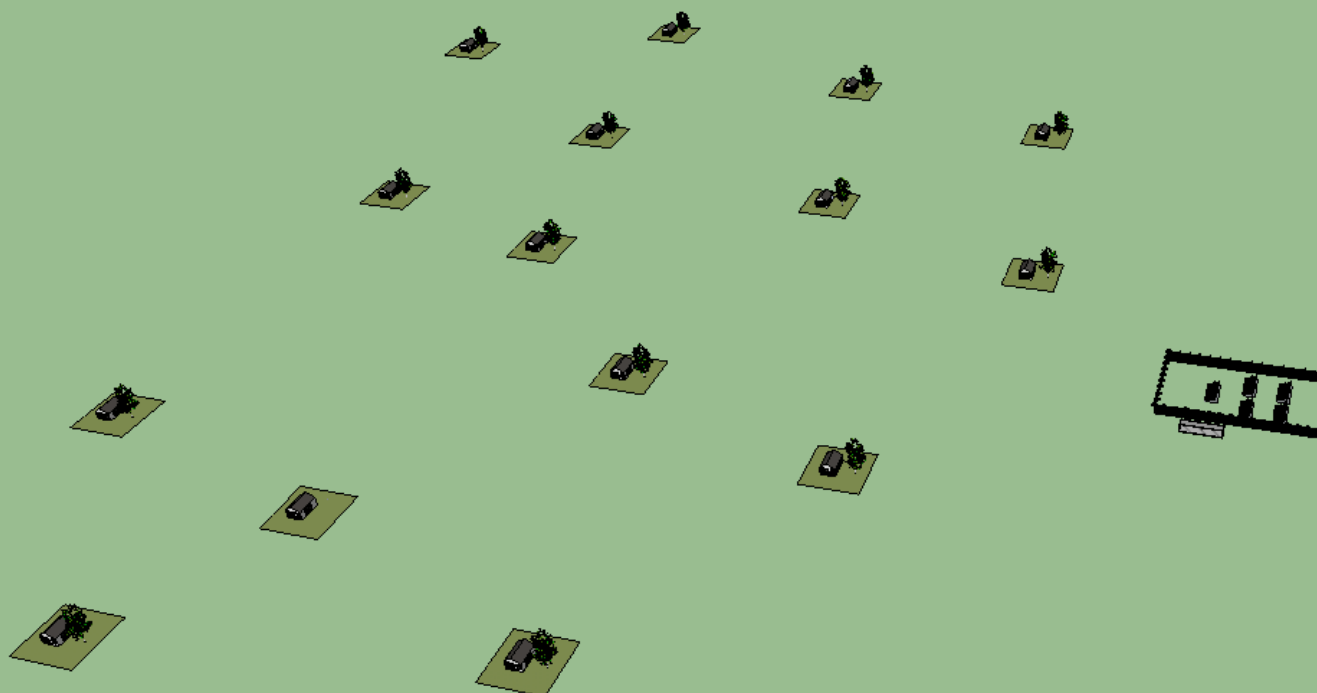


# Energy Consumption of household Appliances



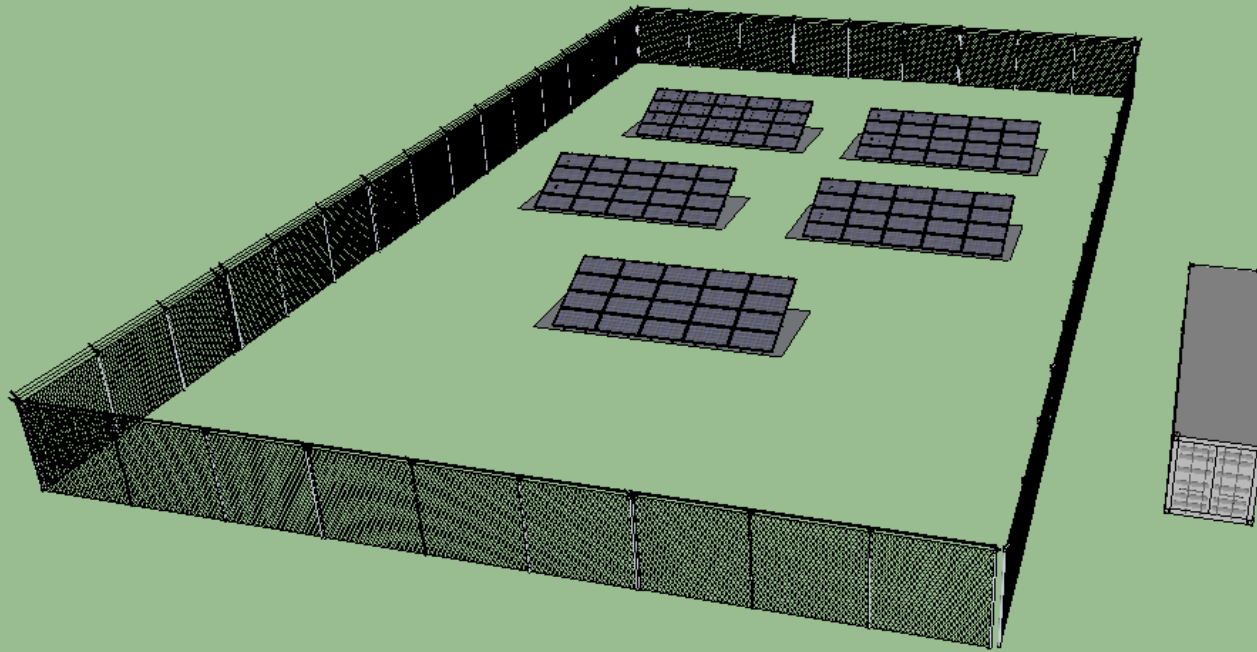


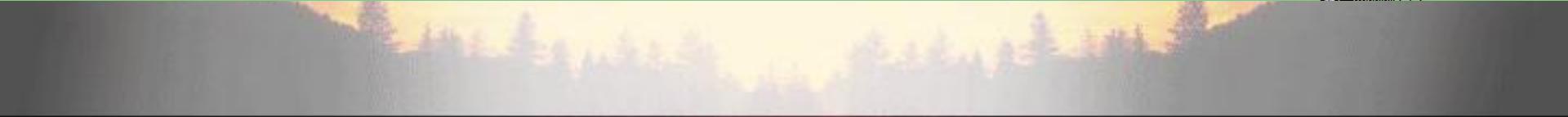
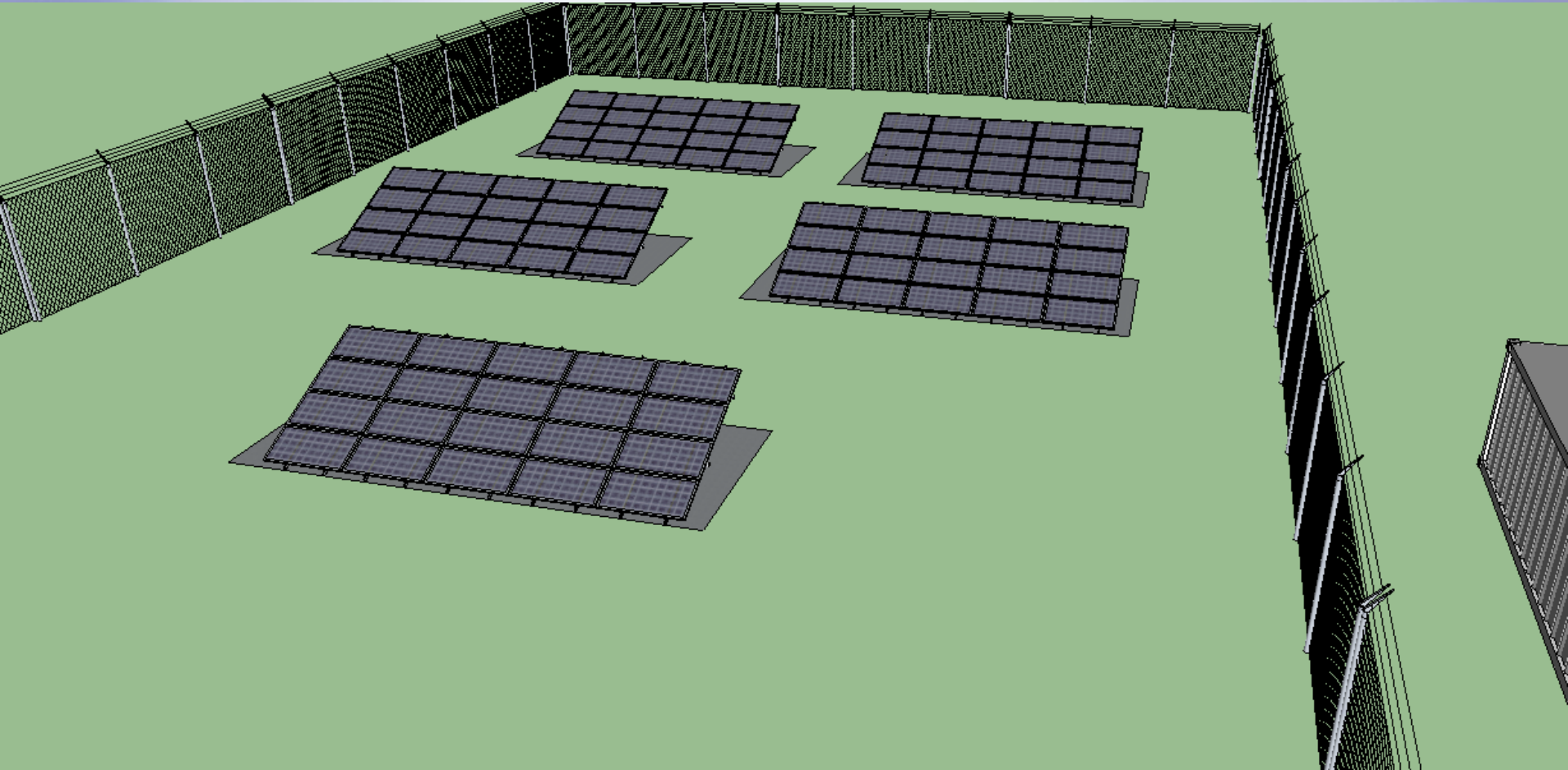
# Design





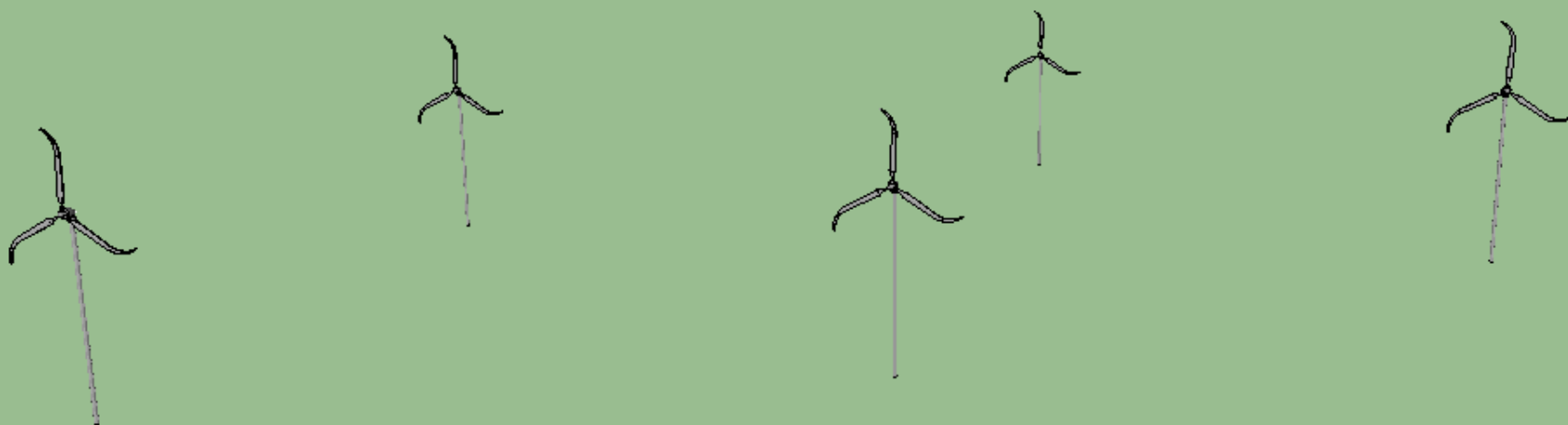
# Design







# Design





# Risks and Rewards

- Possible risks are theft and vandalism.
- We have addressed this by putting a fence around our solar array and our battery and inverter container.
- We expect to earn TEES more than \$47,000 in 5 years with this system.
- After 15 Years TEES should expect to earn at least \$671,000 all together.



# Future Suggestions

- If we had more time and more money we would have included a community Laundromat.
- We would have also included a couple more wind mills.