



# The City Beautiful is Solar Beautiful!

Bringing Solar Power Charging to Public Spaces

*The City Beautiful*



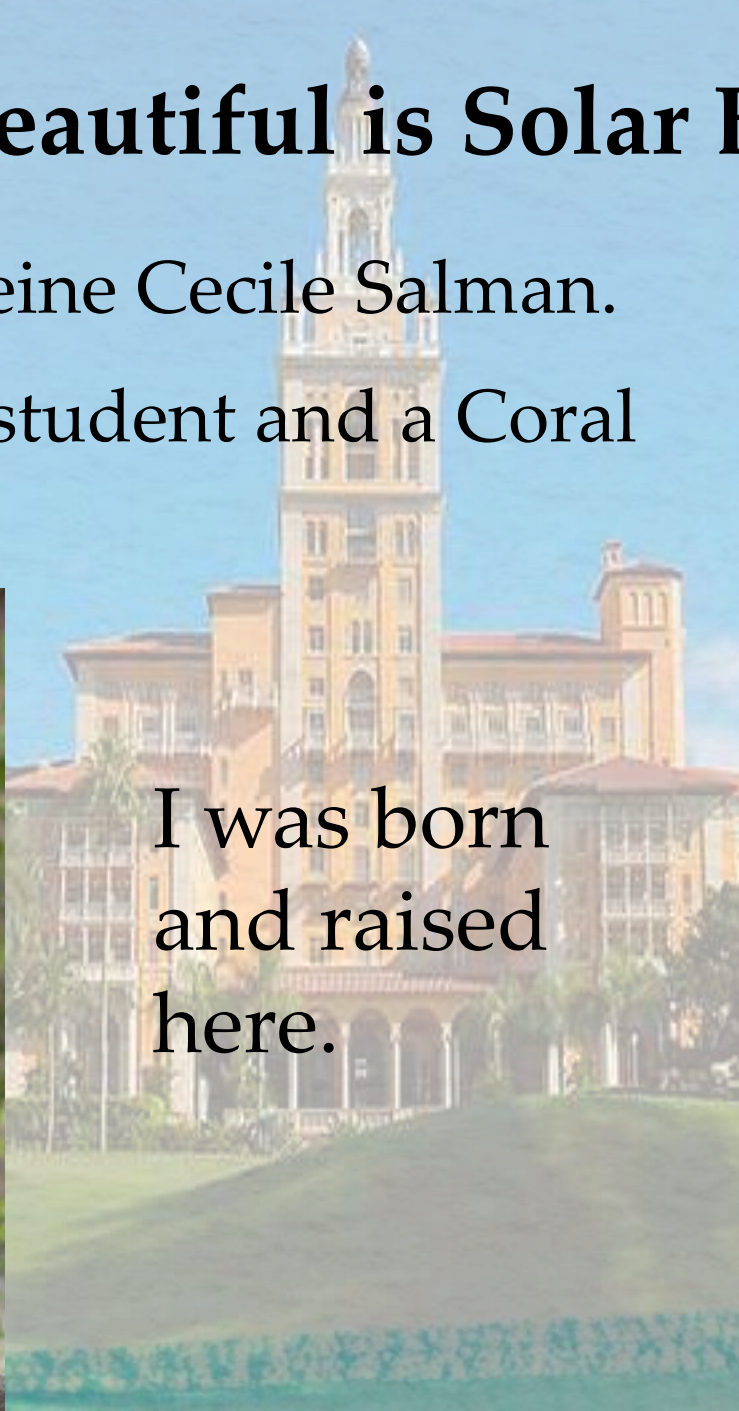
# The City Beautiful is Solar Beautiful!

My name is Madeleine Cecile Salman.

I am a high school student and a Coral Gables resident.



I was born  
and raised  
here.





# Solar Power is Renewable Power!

I have also been a Girl Scout for most of my life.



I hope to attain the highest honor Girl Scouts USA awards a scout by educating others about the environmental benefits of solar power and renewal energy.



# Solar Power is Renewable Power!

- At my school, we have a solar powered charging station for students to use.
- In fact, many cities have already installed solar device charging stations in public places or are in the process of installing them.
- With all the plans to redevelop Coral Gables' commercial and public areas, I was wondering why this city, does not have them too?
- Solar powered charging stations provide a simple and useful technology that helps educate residents about the potential uses of solar, and other forms of renewable energy.



# Solar power is for everyone.....

- My goal is to promote community and environmental awareness by installing solar powered cell phone charging stations throughout the City of Coral Gables. I believe that everyone who lives, works, shops,, dines and plays in this city will benefit from this technology and at the same time it will help the environment.





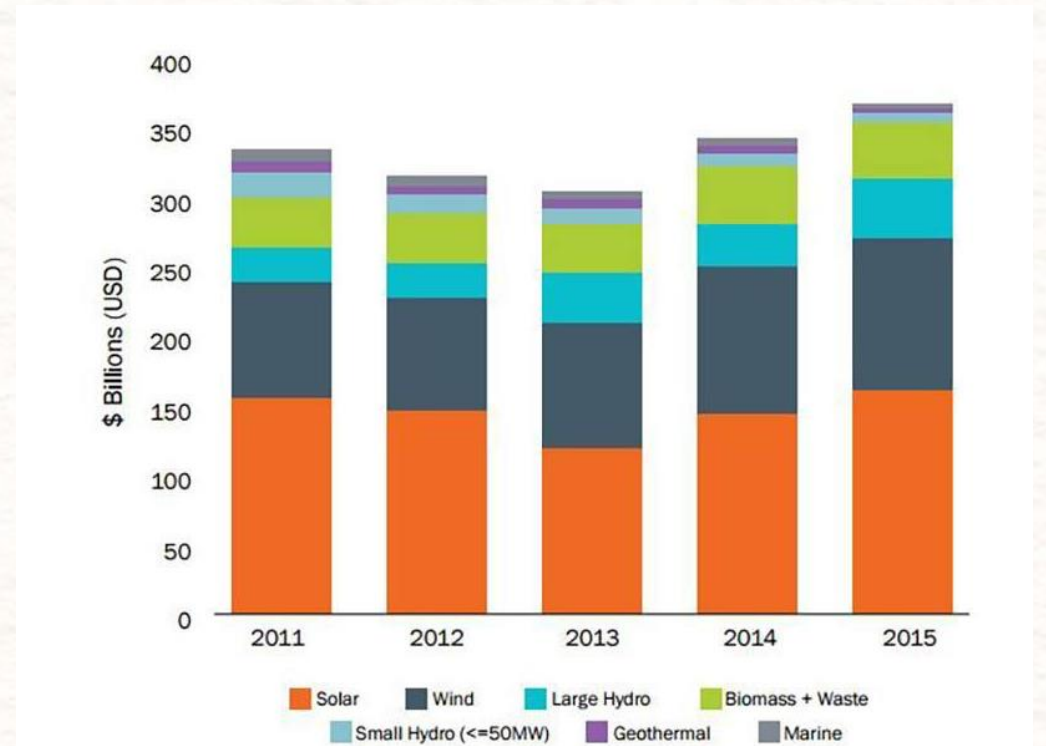
# Solar Powered Charging Stations Will....

- Promote sustainable environmental practices for City of Coral Gables residents and visitors.
- Encourage engagement with sustainable practices and the use alternate forms of energy.
- Create a sense of community by drawing people to one destination to charge their devices.
- Support the City of Coral Gables master plan for sustainability which includes exploring renewal forms of energy such as solar power.
- Provide a valuable public amenity for residents which will be used for years to come.



# Solar Powered Energy is Cost Efficient.....

- Technology has caught up to necessity
- Recover investments in 13 – 15 years
- Initial investment of \$50,000
  - The value of the energy produced per month \$348
- In 2015 a record \$367 billion was invested in clean energy.
  - This means that in the future, solar power will get less expensive.
  - Solar energy is also going to become more energy efficient as it evolves.



# The NRG Street Charge

- A modern take on the classic phone booth.
- Company based in the U.S
- 3 solar panels create a sustainable and powerful energy source that will improve the quality of life in Coral Gables.
- The battery capacity of the NRG street charge can power 6 mobile devices any time, day or night.
- The sleek design would add a modern and futuristic feel to the park or street its installed on.
- Already an established company, with several large and successful projects.







- Bonus: We are already using their car chargers, right here in City Hall.
- We are all seeking to create the same sense of community within our cities, why not do it while saving the environment





# Price Per Unit

- The company calculates prices based on how many units we need, not on just single units
- 





# The Strawberry Tree and Smart Bench

- The future of Coral Gables lies in sustainable energy.
- The strawberry tree and smart bench are functional and well designed.
- Ideal for Miracle Miles' atmosphere and will introduce a new style design
- Inexpensive
- We would be the 1<sup>st</sup> city in the U.S to have these
  - This project cannot only help Coral Gables but get urban solar power to expand to other American cities and make a greater environmental impact



Strawberry Tree Tašmajdan  
Park in Belgrade



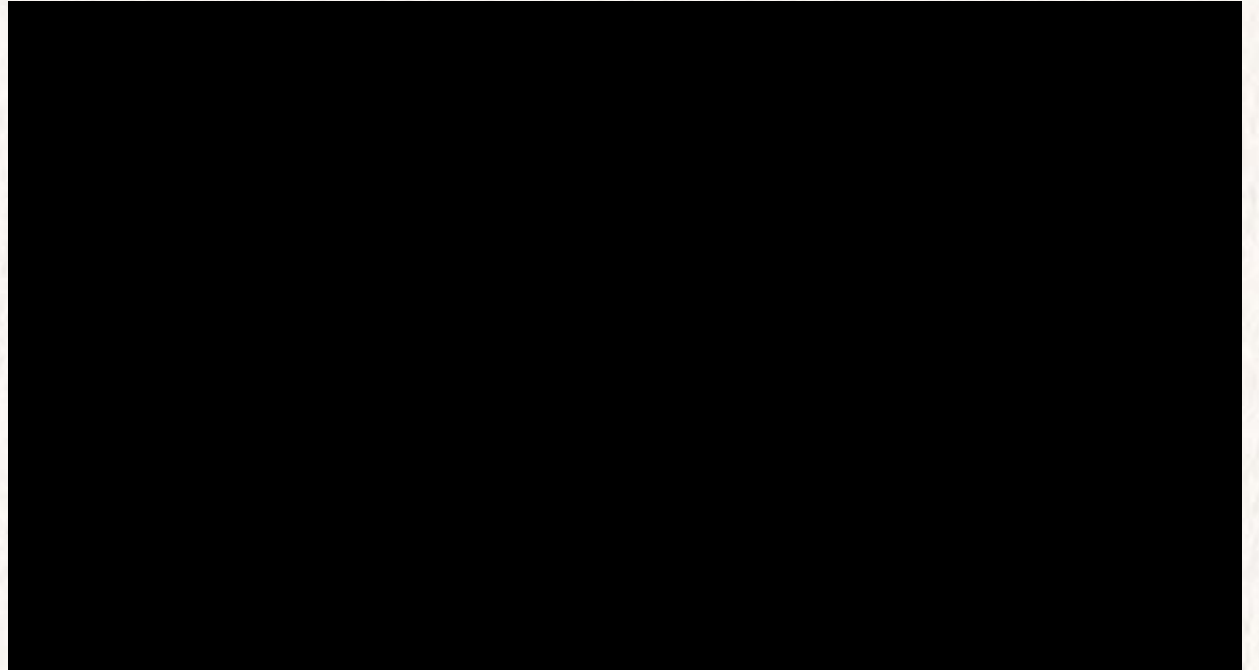
# More than a glorified phone charger

- A safe place to socialize and build community





See the Smart  
Bench in Action





# How Much Will it Cost?

PRICING	1 unit	3 units	5 units	10 units
Price per Strawberry Smart Bench	9380	9230	9118	8999
Software	Included in price			
Operational dashboard	Free for first 10 systems			
Mobile app	Included in price			
Technical phone / online support	Included in price			
<b>TOTAL</b>	<b>9380</b>	<b>27690</b>	<b>45590</b>	<b>89990</b>

\* Prices are in EUR.

\* Prices are without transportation, installation costs, VAT and other taxes.

\* The offer is valid for two months from the day of sending.

\* Delivery time is one month from the day of advance payment (45%). For bigger orders, delivery time can vary.





Pricing - Strawberry Tree Black (STB)	1 unit
STB with concrete foundation	20160
Software	Included in price
Operational dashboard	Free for first 10 systems
Mobile app	Included in price
Technical phone / online support	Included in price

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**In dollars, this would total approximately \$ 22, 306.00 at current market rate**

\*not including transpiration, taxes, contractor labor, professional fees, and related internal staff costs.





# Alternate designs and charging solutions







# The City Beautiful is Solar Beautiful!



- Coral Gables is a unique city, with a rich history miles of green space and is on the water.
- City leaders have taken great care to address environmental needs by creating a comprehensive sustainability plan.
- Educating residents and visitors about the benefits of solar power, and other renewable forms of energy is part of that plan
- Installing cellphone charging stations in the city is an easy way for residents to engage with sustainable practices and at the same time learn about solar power and all its great uses!





# Bibliography

- "Strawberry Smart Bench." Strawberry Energy Strawberry Smart Bench Comments. Strawberry Energy LLC, n.d. Web. 18 July 2016.
- "NRG Street Charge, Solar Charging Station, Cell Phone Charging Station, Portable Phone Charger, Phone Charging Station." NRG Street Charge. NRG Energy, n.d. Web. 18 July 2016.