

# Peachtree City WASA Solar REDI Project Analysis

Line Creek WWTP & Rockaway WWTP

February 15, 2018

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All calculations within presentation are estimates



# Line Creek WWTP – Project information



- REDI application submitted – 11/2/2017
- Project placed on Selection List
- Array Size: 523.75 kW<sub>DC</sub>
  - Based on 2016 aggregate demand of two meters
- Fixed-floating array
- Would be the only floating solar project in east
  
- Recommendations:
  - **Fixed array panels**
  - **15 year GA Power PPA**
  - **Escalating payments**

**APPLICATION PART 2 DUE  
TOMORROW!**

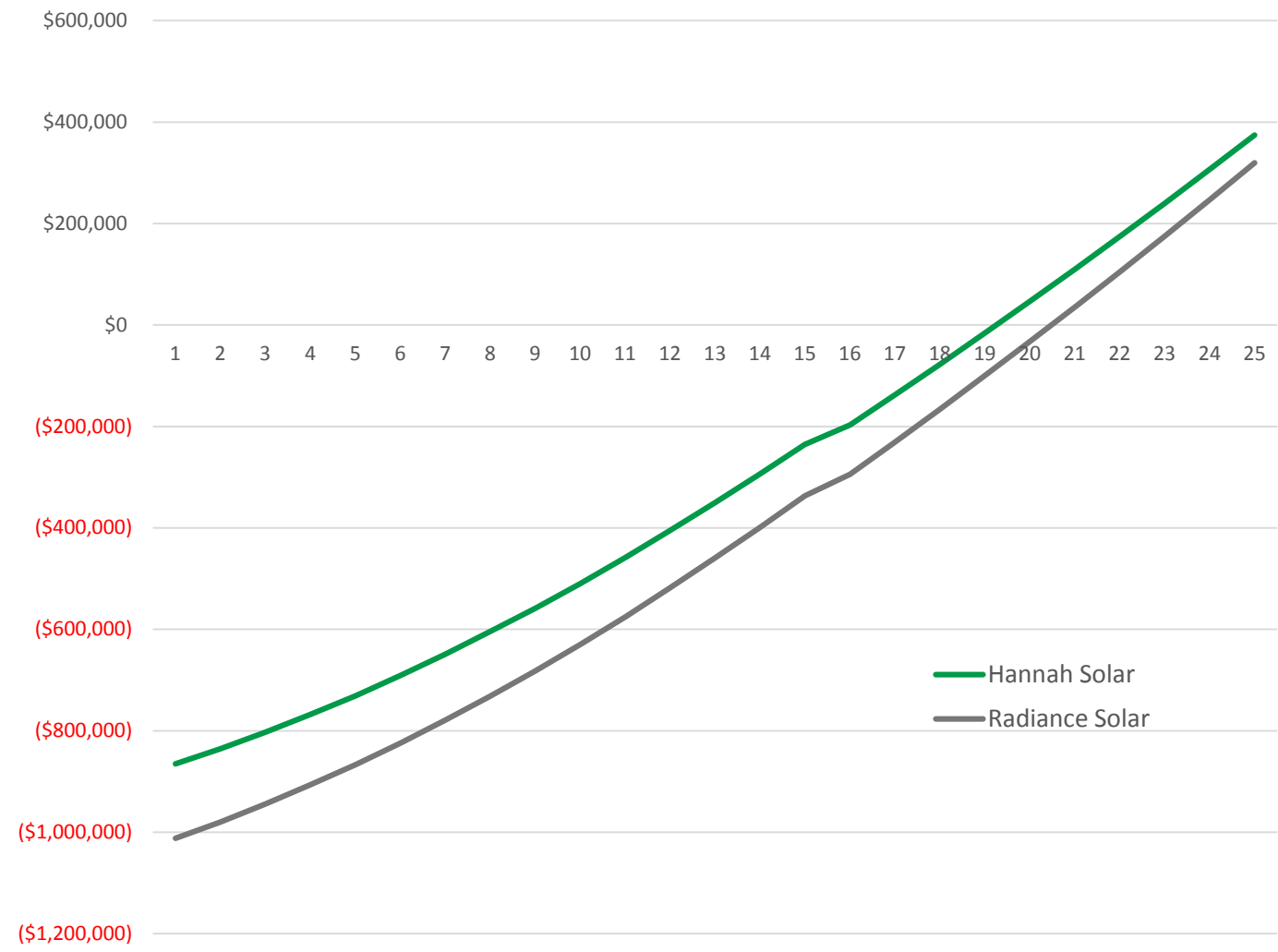
# Line Creek WWTP - Solar Bids

Firm	Price	Year 1 kWh	Annual O/M	Cost per kWh Delivered	Rank	ROI
Hannah Solar	\$878,640	778,501	\$6,500	\$1.13	1	20 years
Radiance Solar	\$1,027,680	797,730	\$5,000	\$1.29	2	21 years

**HANNAH SOLAR – HIGHEST kWhs FOR CHEAPEST PRICE**

# Line Creek WWTP - ROI

Hannah Solar vs Radiance Solar Line Creek WWTP Solar ROI



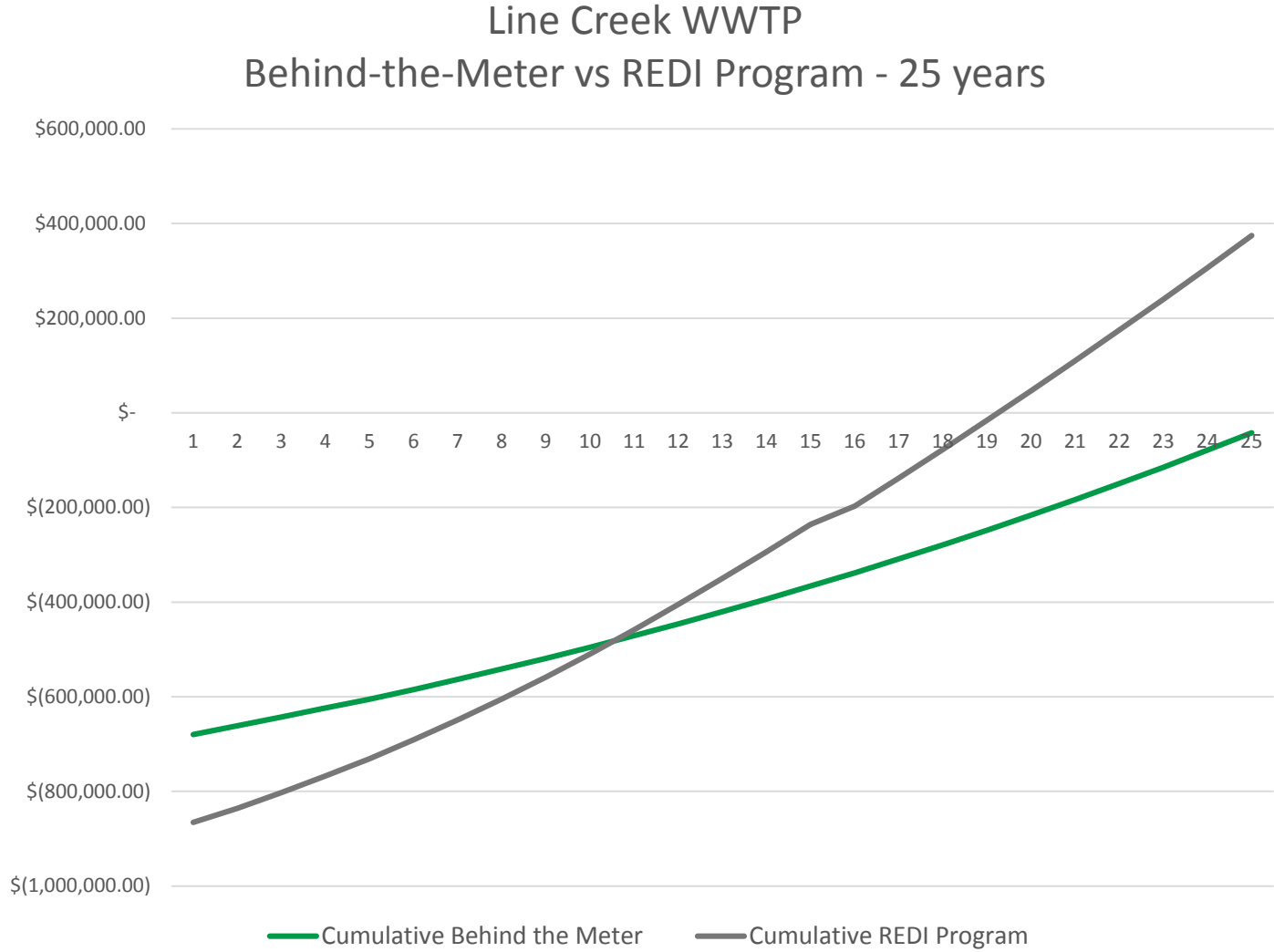
# Line Creek WWTP – Behind-the-meter vs. REDI Program

## REDI Program

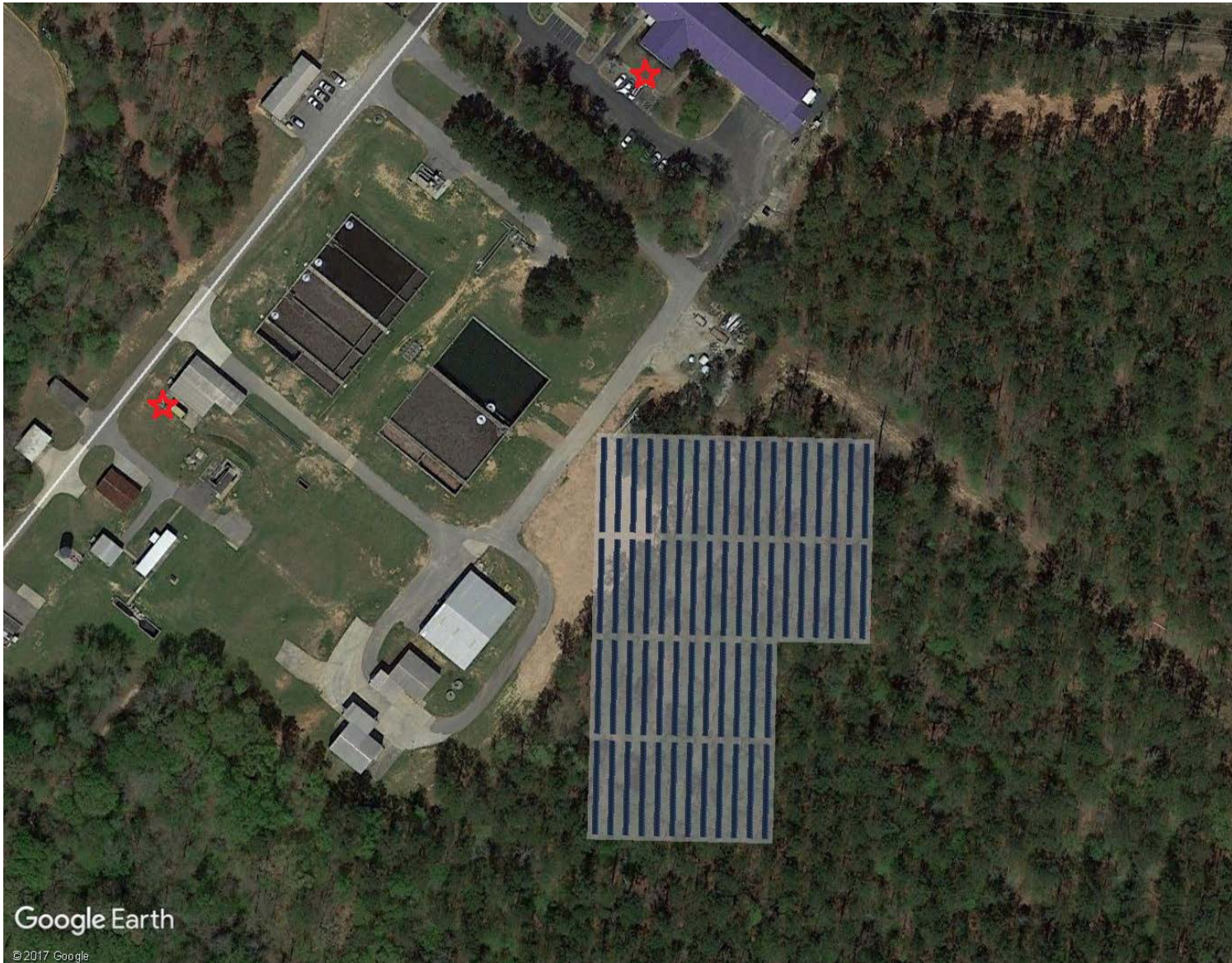
- Project Cost - \$878,640
- 523.75 kWdc size
- \$6,500 annual O/M
- Includes all fees associated with REDI Program

## Behind-the-Meter

- Project Cost - \$680,000
- 400 kWdc size
- \$6,500 annual O/M
- Savings based on remaining on PLM tariff



# Rockaway WWTP & Office – Project Information



- REDI application submitted – 11/2/2017
- Project placed on Selection List
- Array size: 479 kW<sub>DC</sub>
  - Based on 2016 aggregated demand of WWTP and Office
- Ground Mounted
- Single-axis Trackers
- Array located to not impede future plant expansion
  
- Recommendations:
  - **Single-axis Trackers**
  - **25 year GA Power PPA**
  - **Escalating payments**

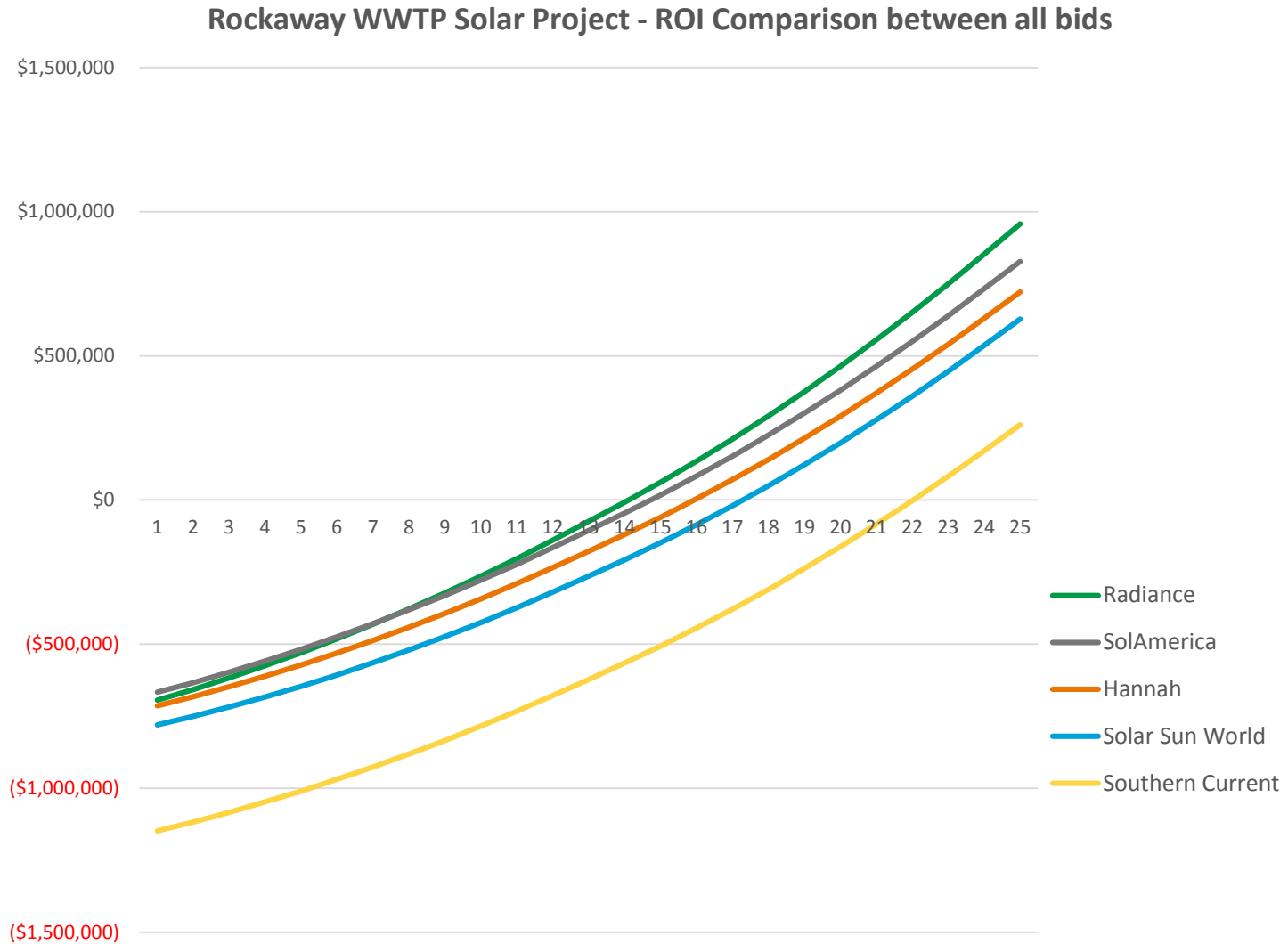
**APPLICATION PART 2 DUE  
TOMORROW!**

# Rockaway WWTP - Solar Bids

Firm	Base Price	Height Adder	Full Price	Year 1 kWh	Annual O/M	Cost per kWh Delivered	Rank	ROI
Radiance Solar	\$690,766	\$23,686	\$714,452	904,600	\$3,500	\$.7898	1	15 years
SolAmerica	\$677,273	\$5,860	\$683,133	851,605	\$4,780	\$.8022	2	15 years
Hannah Solar	\$713,710	\$15,000	\$728,710	830,021	\$5,500	\$.8779	3	16 years
Solar Sun World	\$782,970	\$9,700	\$792,670	855,900	\$8,750	\$.9261	4	18 years
Southern Current	\$1,155,938	\$6,500	\$1,162,438	816,100	N/A	\$1.4244	5	23 years

Radiance Solar will provide most kWhs for price. Lowest cost of kWhs delivered.

# Rockaway WWTP - ROI



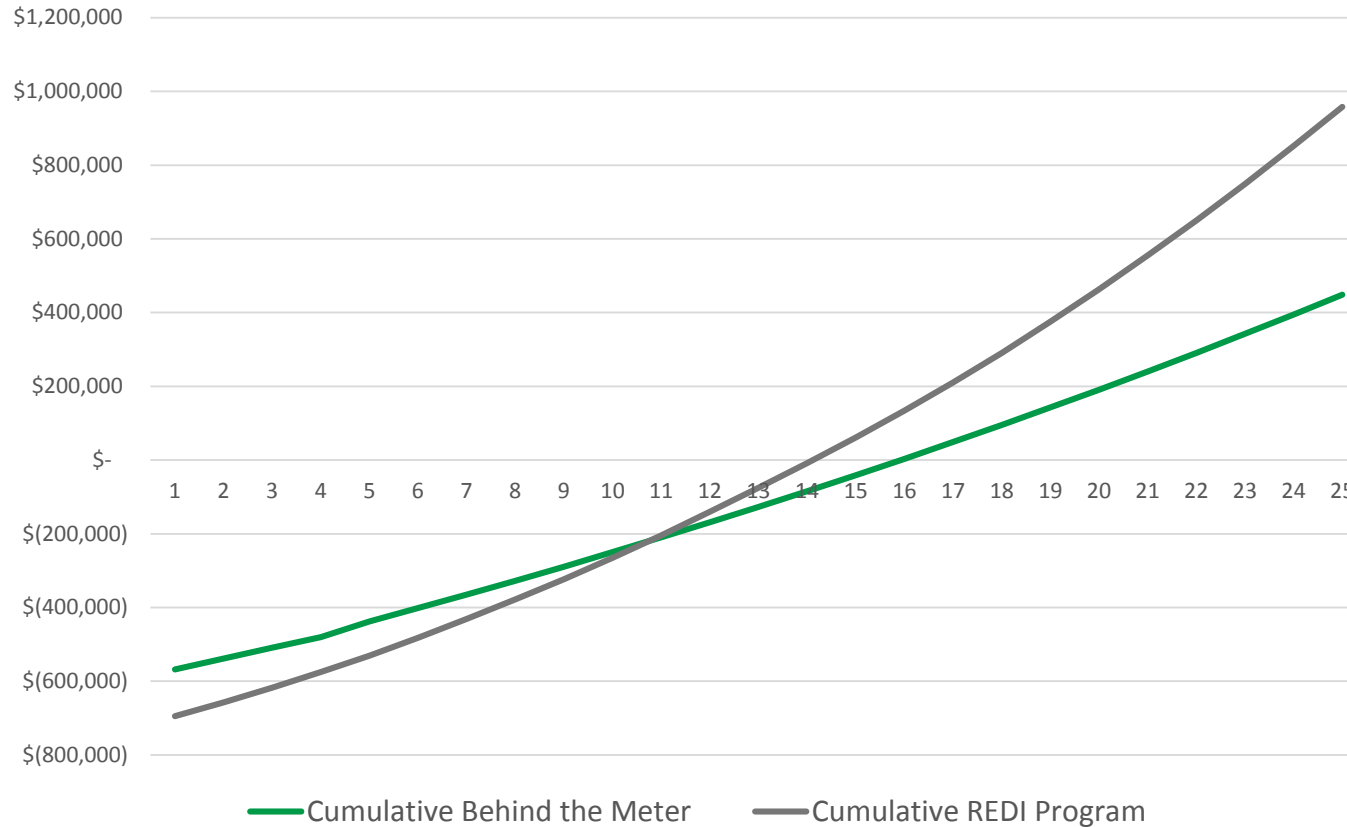


# Rockaway WWTP – Behind-the-Meter vs. REDI Program

Rockaway WWTP Behind-the-Meter vs REDI Program -  
25 years

## REDI Program

- Project Cost - \$714,452
- 479 kWdc size
- Includes all fees associated with REDI Program
- \$3,500 annual O/M



## Behind-the-Meter

- Project Cost - \$567,500 (includes \$25,000 to connect array to Office)
- 350 kWdc size
- \$3,500 annual O/M
- Solar array sized for the demand of both WWTP and Office

# WASA Decisions

## LINE CREEK WWTP

1. Complete REDI application?
2. Term?
3. Award to Hannah Solar?

- Submit REDI application part 2 tomorrow
- Pay \$10,000 fee tomorrow
- Landowner Confirmation and Site Control Affidavit
- Customer Consent Form
- Opt In/ Out Form

## ROCKAWAY WWTP

1. Complete REDI application?
2. Steel adder?
3. Term?
4. Award to Radiance Solar?

- Submit REDI application part 2 tomorrow
- Pay \$10,000 fee tomorrow
- Landowner Confirmation and Site Control Affidavit
- Customer Consent Form
- Opt In/ Out Form