

1368 SPALDING RD., STE. C, DUNEDIN, FL 34698-5039 | P: (727) 733-5558 | F: (727) 738-8225 | LICENSE: # CG-C018550

Project: City of Clearwater Solid Waste Transfer Starion Solar

Date: 07/29/2024

System Size: 202,370 W-DC

#### Scope of Work:

Construction Manager Bandes Construction (CMAR) will facilitate design services, product procurement, installation, commissioning, and training of solar power system for City of Clearwater Solid Waste Transfer Starion located at 1005 Old Coachman Rd, Clearwater, FL, 33765. The following scope of services will be provided as part of this contract:

#### 1. Design Services:

- a. Engineering Site visit will be made to review site conditions.
- b. Collaborate and develop full construction documents considering the nature of the site and building composition.
- c. Documents required to procure permit approval

#### 2. Product Procurement:

- a. Acquisition of the 360 QCell panels and 2 Solis inverters
- b. Procurement of solar racking system, wiring, and ancillary materials required
- c. Coordination of all items to make a complete solar system

#### 3. Installation:

- a. Ensure all work is installed and completed per the design documents to close out permit.
- b. Integrate new solar system into existing power system per code and industry standard.
- c. Ensure all work is completed per OSHA standards.
- d. Coordinate install with City of Clearwater personnel to minimize impact for day to day activities.

#### 4. Testing and Commissioning:

- a. Commissioning system per manufacturer requirements to ensure design intent.
- b. Coordination of Duke interconnection agreement.
- c. Sign off and closing municipal permits

#### 5. Training and Documentation:

- a. Facilitate training with City of Clearwater facilities management
- b. Furnish all pertinent Operation and Maintenance data to facilitate maintenance after warranty period.
- c. Provide as built drawings

#### **Exclusions:**



- Conflicts with unknown utilities
- Utility upgrades to existing infrastructure
- Additional Testing
- Any Additional insurances required by the utility or AHJ
- Interconnection Study Fees
- Prevailing Wadges
- 3<sup>rd</sup> Party inspections
- Civil analysis Fees

#### Warranty:

- Bandes Provides a 1-year warranty from the date of substantial completion. Warranty excludes any defects in owner supplied material or acts of God.
- Transform Solar warranty provided with accompanying documents
  - Solar Panel Warranty 25 Years
  - Inverter Warranty 10 years
  - Racking Warranty 25 Years

#### See below for our cost breakdown:

| Budget Breakdown Solid Waste |               |  |  |  |  |  |  |  |  |  |
|------------------------------|---------------|--|--|--|--|--|--|--|--|--|
| Description                  | Large Array   |  |  |  |  |  |  |  |  |  |
| Transform                    | \$ 438,606.00 |  |  |  |  |  |  |  |  |  |
| P&P Bond                     | \$ 7,000.00   |  |  |  |  |  |  |  |  |  |
| BR Insurance                 | \$ 1,500.00   |  |  |  |  |  |  |  |  |  |
| General Liability            | \$ 3,000.00   |  |  |  |  |  |  |  |  |  |
| GC Fees                      | \$ 29,000.00  |  |  |  |  |  |  |  |  |  |
| Sub Total                    | \$ 479,106.00 |  |  |  |  |  |  |  |  |  |
| 7% OH&P                      | \$ 33,538.00  |  |  |  |  |  |  |  |  |  |
| 7% Contingency               | \$ 33,537.00  |  |  |  |  |  |  |  |  |  |
| Total                        | \$ 546,181.00 |  |  |  |  |  |  |  |  |  |
| ROI                          | 6.7 Years     |  |  |  |  |  |  |  |  |  |

#### **Payment Terms as Follows:**

- 30% Contract Execution
- 30% Construction Start Date
- 30% Final Building Inspection
- 10% Utility permission to operate



#### **Project Schedule:**

| Schedule | Milestone             | Days  |
|----------|-----------------------|-------|
| 1        | Site Survey           | 5     |
| 2        | Engineering           | 30-45 |
| 3        | Permitting            | 30-45 |
| 4        | Install/Commissioning | 30-45 |
| 5        | Permission to Operate | 30    |

We take a lot of pride in our "soup to nuts" construction process, with experienced preconstruction services as well as experienced active construction services. Please accept this proposal for turn key solar for the Solid Waste facility and Gas Complex.

Thanks for your consideration,

Jeremy Brown

727-433-1631 - jeremy.brown@bandesconstruction.com



### Prepared For

Bandes Construction (727) 433-1631 Jeremy.Brown@bandesconstruction.cd



At Transform Solar, we base our business on professionalism and trust with every customer that partner with us for their project development. Every project we undertake is:

- Backed by 15+ years of solar and electrical industry experience.
- Quality controlled under the supervision of our principal and Master Electrician
- Performed by in-house crews with vetted installers and electricians

### Solid Waste Transfer Station

Prepared By

4/22/2024

Jason Humphrey (813) 803-2988 jason@transformsolarfl.com



## TABLE OF CONTENTS

| 1 | Project Summary 3                                           | , |
|---|-------------------------------------------------------------|---|
| 2 | Project Details ······ 4                                    | ŀ |
|   | 2.1 Clearwater - Solid Waste Transfer Station 4             | ŀ |
|   | 2.1.1 PV System Details4                                    | ۲ |
|   | 2.1.2 Rebates and Incentives 5                              | ) |
|   | 2.1.3 Utility Rates 6                                       | ) |
|   | 2.1.4 Current Electric Bill 6                               | ) |
|   | 2.1.5 New Electric Bill · · · · · · · · · · · · · · · · · · | , |
| 3 | Cash Flow Analysis · · · · · 8                              | , |
|   | 3.1 Cash Purchase8                                          | , |
| 4 | Detailed Cash Flow Analysis9                                | ) |
|   | 4.1 Cash Purchase                                           | ) |

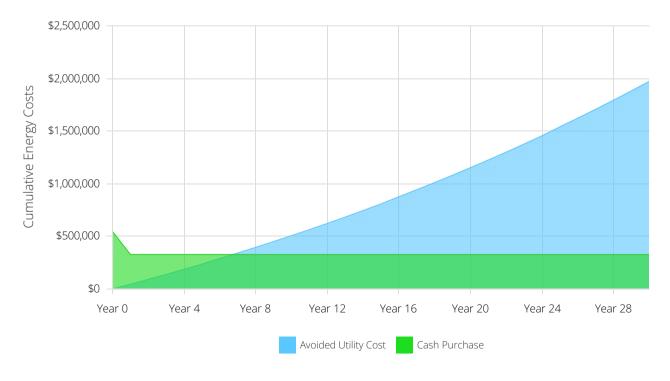
## 1 Project Summary

| Payment Options              | Cash Purchase |
|------------------------------|---------------|
| IRR - Term                   | 14.8%         |
| LCOE PV Generation           | \$0.039 /kWh  |
| System Cost                  | \$438,606     |
| General Contractor Fees      | \$107,575     |
| Total System Cost            | \$546,181     |
| Total Incentives             | \$218,472     |
| Net Payments                 | \$327,709     |
| Payback Period               | 6.7 Years     |
| Electric Bill Savings - Term | \$1,973,699   |

#### **COMBINED SOLAR PV RATING**

Power Rating: 212,400 W-DC Power Rating: 185,013 W-AC-CEC

#### **CUMULATIVE ENERGY COSTS BY PAYMENT OPTION**



## 2.1.1 PV System Details

#### **General Information**

Facility: Clearwater - Solid Waste Transfer Station Address: S Old Coachman Rd Clearwater FL

#### **Solar PV Equipment Description**

Solar Panels: (360) QCells Q.PEAK DUO XL-G11S 590W Inverters: (2) Ginlong Technologies Solis-100K-5G-US

#### **Solar PV Equipment Typical Lifespan**

Solar Panels: Greater than 30 Years

Inverters: 18 Years

#### **Solar PV System Cost and Incentives**

Solar PV System Cost \$546,181

Direct Pay ITC -\$218,472

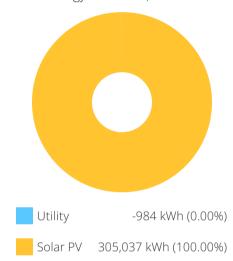
Net Solar PV System Cost \$327,709

#### **Solar PV System Rating**

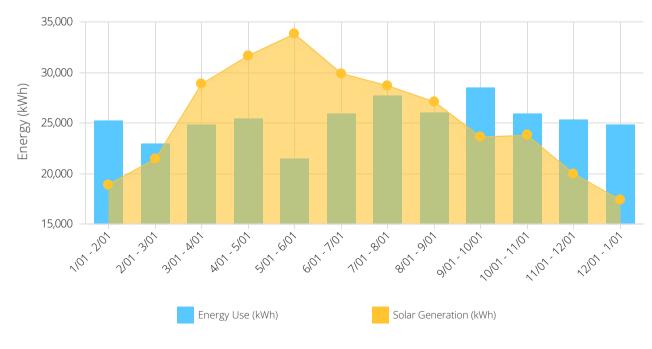
Power Rating: 212,400 W-DC Power Rating: 185,013 W-AC-CEC

#### **Energy Consumption Mix**

Annual Energy Use: 304,053 kWh



#### **Monthly Energy Use vs Solar Generation**





#### 2.1.2 Rebates and Incentives

This section summarizes all incentives available for this project. The actual rebate and incentive amounts for this project are shown in each example.

#### Direct Pay, Investment Tax Credit (ITC) - 30% (with Adders)

The Inflation Reduction Act (IRA) of 2022 contains a "direct pay" provision that enables certain tax-exempt customers, including state and local government, to receive a direct cash payment in lieu of an investment tax credit (ITC). Entities that qualify for direct pay are eligible to receive a 30% direct payment, assuming they meet the IRA established prevailing wage and apprenticeship requirements in order to qualify for the full 30% "increased rate", rather than a 6% "base rate". The IRA states that direct pay is only available for entities, including: an entity exempt from the tax, any State government (or political subdivision thereof), the Tennessee Valley Authority, an Indian tribal government, an Alaska Native Corporation, any corporation operating on a cooperative basis which is engaged in furnishing electric energy to persons in rural areas. These entities may take direct pay for solar and storage in the ITC and PTC as well as the ITC/PTC when tech neutral starts after 2025. In addition to the 30% ITC, the IRA establishes three different types of ITC "Adders", which provide additional tax credits of up to 10% each, for projects that meet specified requirements. (1) Energy Community, projects sited in an "energy community", which includes brownfield sites, census tracts where a coal mine closed after 1999 or a coal-fired power plant was retired after 2009, or areas where 25% of local tax revenues are related to the extraction, processing or storage of coal, oil, or natural gas at any time beginning in 2010. (2) Low-income, projects located in a qualified "low-income community", which is defined as a census tract with a poverty rate of at least 20%, as well as a census tract where the median family income (MFI) is 80% or less of statewide MFI, or on "Indian land", which is defined as land located within the boundaries of an Indian reservation or lands held by a tribe. (3) Domestic Content, for projects that meet specified domestic content requirements which will be set by Treasury, including 100% steel/iron for manufactured products with a 40% requirement through 2024 followed by 45% in 2025, 50% in 2026, and 55% in 2027 and beyond. Manufactured content is further explained: the products which are components of a qualified facility upon completion will be deemed to have been produced in the United States if the adjusted percentage of the total costs of all such manufactured products of the facility are attributable to manufactured products which are mined, produced, or manufactured in the United States.

**Total Incentive Value: \$218,472** 



## 2.1.3 Utility Rates

The table below shows the rates associated with your current utility rate schedule (GS-1). Your estimated electric bills after solar are shown on the following page.

|        | Custon      | ner Charges        |         | Energy C    | harges    |        |          |
|--------|-------------|--------------------|---------|-------------|-----------|--------|----------|
| Season | Charge Type | Rate Type          | Season  | Charge Type | Rate Type | GS-1   |          |
| S1     | Flat Rate   | per billing period | \$16.02 | S1          | Flat Rate | Import | \$0.1487 |

### 2.1.4 Current Electric Bill

The table below shows your annual electricity costs based on the most current utility rates and your previous 12 months of electrical usage.

Rate Schedule: DUKE-FL - GS-1

| Time Periods             | Energy Use (kWh) | Charges |          |          |  |  |
|--------------------------|------------------|---------|----------|----------|--|--|
| Bill Ranges & Seasons    | Total            | Other   | Energy   | Total    |  |  |
| 1/1/2024 - 2/1/2024 S1   | 25,200           | \$16    | \$3,747  | \$3,763  |  |  |
| 2/1/2024 - 3/1/2024 S1   | 22,920           | \$16    | \$3,408  | \$3,424  |  |  |
| 3/1/2024 - 4/1/2024 S1   | 24,840           | \$16    | \$3,694  | \$3,710  |  |  |
| 4/1/2023 - 5/1/2023 S1   | 25,440           | \$16    | \$3,783  | \$3,799  |  |  |
| 5/1/2023 - 6/1/2023 S1   | 21,480           | \$16    | \$3,194  | \$3,210  |  |  |
| 6/1/2023 - 7/1/2023 S1   | 25,920           | \$16    | \$3,854  | \$3,870  |  |  |
| 7/1/2023 - 8/1/2023 S1   | 27,693           | \$16    | \$4,118  | \$4,134  |  |  |
| 8/1/2023 - 9/1/2023 S1   | 26,040           | \$16    | \$3,872  | \$3,888  |  |  |
| 9/1/2023 - 10/1/2023 S1  | 28,440           | \$16    | \$4,229  | \$4,245  |  |  |
| 10/1/2023 - 11/1/2023 S1 | 25,920           | \$16    | \$3,854  | \$3,870  |  |  |
| 11/1/2023 - 12/1/2023 S1 | 25,320           | \$16    | \$3,765  | \$3,781  |  |  |
| 12/1/2023 - 1/1/2024 S1  | 24,840           | \$16    | \$3,694  | \$3,710  |  |  |
| Total                    | 304,053          | \$192   | \$45,213 | \$45,405 |  |  |

## 2.1.5 New Electric Bill

Rate Schedule: DUKE-FL - GS-1

| Time Periods             | Energy Use (kWh) |       | Charges |         |
|--------------------------|------------------|-------|---------|---------|
| Bill Ranges & Seasons    | Total            | Other | Energy  | Total   |
| 1/1/2024 - 2/1/2024 S1   | 6,291            | \$16  | \$935   | \$951   |
| 2/1/2024 - 3/1/2024 S1   | 1,477            | \$16  | \$220   | \$236   |
| 3/1/2024 - 4/1/2024 S1   | -3,996           | \$16  | \$594   | \$578   |
| 4/1/2023 - 5/1/2023 S1   | -6,228           | \$16  | \$926   | \$910   |
| 5/1/2023 - 6/1/2023 S1   | -12,321          | \$16  | \$1,832 | \$1,816 |
| 6/1/2023 - 7/1/2023 S1   | -3,966           | \$16  | \$590   | \$574   |
| 7/1/2023 - 8/1/2023 S1   | -989             | \$16  | \$147   | \$131   |
| 8/1/2023 - 9/1/2023 S1   | -1,043           | \$16  | \$155   | \$139   |
| 9/1/2023 - 10/1/2023 S1  | 4,829            | \$16  | \$718   | \$734   |
| 10/1/2023 - 11/1/2023 S1 | 2,154            | \$16  | \$320   | \$336   |
| 11/1/2023 - 12/1/2023 S1 | 5,332            | \$16  | \$793   | \$809   |
| 12/1/2023 - 1/1/2024 S1  | 7,476            | \$16  | \$1,112 | \$1,128 |
| Total                    | -984             | \$192 | \$49    | \$143   |

**Annual Electricity Savings: \$45,262** 

#### **Assumptions and Key Financial Metrics**

| IRR - Term                  | 14.8%     | Net Present Value       | \$589,177 | Payback Period        | 6.7 Years |
|-----------------------------|-----------|-------------------------|-----------|-----------------------|-----------|
| ROI                         | 301.4%    | PV Degradation Rate     | 0.50%     | Discount Rate         | 5.0%      |
| Energy Cost Escalation Rate | 3.0%      | Federal Income Tax Rate | 0.0%      | State Income Tax Rate | 0.0%      |
| System Cost                 | \$438,606 | General Contractor Fee  | \$107,575 | Total Project Costs   | \$546,181 |

| Years   | Project Costs | Direct Pay ITC | Electric Bill Savings | Total Cash Flow | Cumulative Cash Flow |
|---------|---------------|----------------|-----------------------|-----------------|----------------------|
| Upfront | -\$546,181    | -              | -                     | -\$546,181      | -\$546,181           |
| 1       | -             | \$218,472      | \$45,262              | \$263,734       | -\$282,447           |
| 2       | -             | -              | \$46,387              | \$46,387        | -\$236,060           |
| 3       | -             | -              | \$47,538              | \$47,538        | -\$188,522           |
| 4       | -             | -              | \$48,717              | \$48,717        | -\$139,805           |
| 5       | -             | -              | \$49,924              | \$49,924        | -\$89,881            |
| 6       | -             | -              | \$51,159              | \$51,159        | -\$38,722            |
| 7       | -             | -              | \$52,424              | \$52,424        | \$13,702             |
| 8       | -             | -              | \$53,718              | \$53,718        | \$67,420             |
| 9       | -             | -              | \$55,043              | \$55,043        | \$122,463            |
| 10      | -             | -              | \$56,399              | \$56,399        | \$178,862            |
| 11      | -             | -              | \$57,787              | \$57,787        | \$236,649            |
| 12      | -             | -              | \$59,207              | \$59,207        | \$295,856            |
| 13      | -             | -              | \$60,661              | \$60,661        | \$356,516            |
| 14      | -             | -              | \$62,148              | \$62,148        | \$418,664            |
| 15      | -             | -              | \$63,670              | \$63,670        | \$482,335            |
| 16      | -             | -              | \$65,228              | \$65,228        | \$547,563            |
| 17      | -             | -              | \$66,821              | \$66,821        | \$614,384            |
| 18      | -             | -              | \$68,452              | \$68,452        | \$682,836            |
| 19      | -             | -              | \$70,120              | \$70,120        | \$752,956            |
| 20      | -             | -              | \$71,827              | \$71,827        | \$824,783            |
| 21      | -             | -              | \$73,573              | \$73,573        | \$898,357            |
| 22      | -             | -              | \$75,359              | \$75,359        | \$973,716            |
| 23      | -             | -              | \$77,187              | \$77,187        | \$1,050,903          |
| 24      | -             | -              | \$79,055              | \$79,055        | \$1,129,958          |
| 25      | -             | -              | \$80,967              | \$80,967        | \$1,210,925          |
| 26      | -             | -              | \$82,922              | \$82,922        | \$1,293,847          |
| 27      | -             | -              | \$84,922              | \$84,922        | \$1,378,769          |
| 28      | -             | -              | \$86,967              | \$86,967        | \$1,465,736          |
| 29      | -             | -              | \$89,058              | \$89,058        | \$1,554,794          |
| 30      | -             | -              | \$91,197              | \$91,197        | \$1,645,991          |
| Totals: | -\$546,181    | \$218,472      | \$1,973,699           | \$1,645,991     | -                    |



#### **Assumptions and Key Financial Metrics**

| IRR - Term                | RR - Term  |           | %        | Net Present                  | Value                    | ·        | \$589                         | 9,177     | Payback             | Period   |           | 6.7 Y    | ears     |
|---------------------------|------------|-----------|----------|------------------------------|--------------------------|----------|-------------------------------|-----------|---------------------|----------|-----------|----------|----------|
| ROI                       |            | 301.      | 4%       | PV Degradat                  | tion Rate                |          | 0.50                          | %         | Discount            | Rate     |           | 5.0%     |          |
| Energy Cost Escalation Ra | ate        | 3.0%      | b        | Federal Income Tax Rate 0.0% |                          |          | б                             | State Inc | ome Tax Ra          | te       | 0.0%      |          |          |
| System Cost               | ystem Cost |           | 3,606    | General Cor                  | ral Contractor Fee \$107 |          | \$107,575 Total Project Costs |           | Total Project Costs |          | \$546,181 |          |          |
| Years                     | Upfront    | 1         | 2        | 3                            | 4                        | 5        | 6                             | 7         | 8                   | 9        | 10        | 11       | 12       |
| Cash                      |            |           |          |                              |                          |          |                               |           |                     |          |           |          |          |
| Project Costs             | -\$546,181 | -         | -        | -                            | -                        | -        | -                             | -         | -                   | -        | -         | -        | -        |
| Direct Pay ITC            | -          | \$218,472 | -        | -                            | -                        | -        | -                             | -         | -                   | -        | -         | -        | -        |
| Electric Bill Savings     | -          | \$45,262  | \$46,387 | \$47,538                     | \$48,717                 | \$49,924 | \$51,159                      | \$52,424  | \$53,718            | \$55,043 | \$56,399  | \$57,787 | \$59,207 |
| Cash Total                | -\$546,181 | \$263,734 | \$46,387 | \$47,538                     | \$48,717                 | \$49,924 | \$51,159                      | \$52,424  | \$53,718            | \$55,043 | \$56,399  | \$57,787 | \$59,207 |
| Total Cash Flow           | -\$546.181 | \$263,734 | \$46,387 | \$47.538                     | \$48.717                 | \$49.924 | \$51,159                      | \$52,424  | \$53.718            | \$55.043 | \$56,399  | \$57,787 | \$59,207 |

-\$546,181 -\$282,447 -\$236,060 -\$188,522 -\$139,805 -\$89,881 -\$38,722 \$13,702 \$67,420 \$122,463 \$178,862 \$236,649 \$295,856



**Cumulative Cash Flow** 

#### **Assumptions and Key Financial Metrics**

| IRR - Term                  |           | 1         | 4.8%      | Net Pr    | Net Present Value    |           |                     | \$589,177 | Pay                 | oack Period                               |             | 6.7 Years   |             |  |
|-----------------------------|-----------|-----------|-----------|-----------|----------------------|-----------|---------------------|-----------|---------------------|-------------------------------------------|-------------|-------------|-------------|--|
| ROI                         |           | 3         | 01.4%     | PV Deg    | gradation Ra         | te        |                     | 0.50%     | Disc                | ount Rate                                 |             | 5.0%        |             |  |
| Energy Cost Escalation Rate |           | 3         | .0%       | Federa    | eral Income Tax Rate |           | Γax Rate 0.0%       |           | Stat                | State Income Tax Rate Total Project Costs |             | 0.0%        |             |  |
| System Cost                 |           | \$        | 438,606   | Genera    | al Contractor Fee    |           | \$107,575 Total Pro |           | Total Project Costs |                                           |             | \$546,181   |             |  |
| Years                       | 13        | 14        | 15        | 16        | 17                   | 18        | 19                  | 20        | 21                  | 22                                        | 23          | 24          | 25          |  |
| Cash                        |           |           |           |           |                      |           |                     |           |                     |                                           |             |             |             |  |
| Project Costs               | -         | -         | -         | -         | -                    | -         | -                   | -         | -                   | -                                         | -           | -           | -           |  |
| Direct Pay ITC              | -         | -         | -         | -         | -                    | -         | -                   | -         | -                   | -                                         | -           | -           | -           |  |
| Electric Bill Savings       | \$60,661  | \$62,148  | \$63,670  | \$65,228  | \$66,821             | \$68,452  | \$70,120            | \$71,827  | \$73,573            | \$75,359                                  | \$77,187    | \$79,055    | \$80,967    |  |
| Cash Total                  | \$60,661  | \$62,148  | \$63,670  | \$65,228  | \$66,821             | \$68,452  | \$70,120            | \$71,827  | \$73,573            | \$75,359                                  | \$77,187    | \$79,055    | \$80,967    |  |
| Total Cash Flow             | \$60,661  | \$62,148  | \$63,670  | \$65,228  | \$66,821             | \$68,452  | \$70,120            | \$71,827  | \$73,573            | \$75,359                                  | \$77,187    | \$79,055    | \$80,967    |  |
| <b>Cumulative Cash Flow</b> | \$356,516 | \$418,664 | \$482,335 | \$547,563 | \$614,384            | \$682,836 | \$752,956           | \$824,783 | \$898,357           | \$973,716                                 | \$1,050,903 | \$1,129,958 | \$1,210,925 |  |



#### **Assumptions and Key Financial Metrics**

| IRR - Term                  | 14.8%     | Net Present Value       | \$589,177 | Payback Period        | 6.7 Years |
|-----------------------------|-----------|-------------------------|-----------|-----------------------|-----------|
| ROI                         | 301.4%    | PV Degradation Rate     | 0.50%     | Discount Rate         | 5.0%      |
| Energy Cost Escalation Rate | 3.0%      | Federal Income Tax Rate | 0.0%      | State Income Tax Rate | 0.0%      |
| System Cost                 | \$438,606 | General Contractor Fee  | \$107,575 | Total Project Costs   | \$546,181 |

| Years                 | 26          | 27          | 28          | 29          | 30          | Totals      |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Cash                  |             |             |             |             |             |             |
| Project Costs         | -           | -           | -           | -           | -           | -\$546,181  |
| Direct Pay ITC        | -           | -           | -           | -           | -           | \$218,472   |
| Electric Bill Savings | \$82,922    | \$84,922    | \$86,967    | \$89,058    | \$91,197    | \$1,973,699 |
| Cash Total            | \$82,922    | \$84,922    | \$86,967    | \$89,058    | \$91,197    | \$1,645,991 |
| Total Cash Flow       | \$82,922    | \$84,922    | \$86,967    | \$89,058    | \$91,197    | \$1,645,991 |
| Cumulative Cash Flow  | \$1,293,847 | \$1,378,769 | \$1,465,736 | \$1,554,794 | \$1,645,991 | -           |





## Transform Solar, LLC

EC# 13008213

Main Office: 201 E Selma Ave, Tampa, FL 33603

Telephone: 813-565-1443

# Workmanship Warranty

Contractor carries a standard 25 year warranty against defective workmanship. This warranty specifically covers the solar energy system and provides for no-cost repair of replacement of the system or its components, including associated labor. Warranty exclusions include, but are not limited to, any defects due to faulty material and any damage incurred as a result of Customer or third-party abuse, accident, alteration, etc. This warranty will be void if anyone other than the Contractor performs work on the photovoltaic system within the warranty period without the Contractor's prior written consent.

## Roof & Installation Warranty

Contractor warrants that all installation work and roof penetrations will be free from defects for a period of 2 years from the defined Substantial Completion Date outlined in the formal installation contract. Repair, replacement, or correction of any defective workmanship or faulty materials, including applicable labor costs, will fall under the scope of this limited warranty.

# Manufacturer Warranty

Solar Panel Warranty: 25 years

Inverter Warranty: 10 years

Racking Warranty: 25 years

## 1st Year Production Guarantee

Contractor guarantees that the energy production yielded from the solar energy system during its first full year in operation will not fall below 85% of the production estimate listed on the formal installation contract. In the event that production does not meet this predetermined threshold, Contractor will reimburse the Customer at a rate equal to the average per-kWh rate imposed by the electric utility at the property during the period of first-year operation.