

## **Borough of Matawan**

### **Public Notice**

#### **SOLICITATION OF RESPONSES TO REQUEST FOR QUALIFICATIONS**

#### **SOLAR POWER PURCHASE AGREEMENT**

NOTICE IS HEREBY GIVEN that pursuant to the New Jersey Public Contracts Law competitive contracting process, NJSA 18A:4.1 through 4.5, sealed proposals will be received by the **Borough of Matawan** for a **SOLAR POWER PURCHASE AGREEMENT (PPA)** with the **Borough of Matawan**. All responses shall be submitted to Karen Wynne, Borough Clerk, Borough of Matawan, 201 Broad Street, Matawan, NJ 07747 no later than 10:00 AM, Tuesday, August 8, 2017.

Responses shall be submitted in the following manner: one (1) printed copy and one (1) copy submitted in electronic format (CD). All responses are to be clearly labeled which shall include the following information: Karen Wynne, Borough Clerk, Borough of Matawan, Name and Address of Respondent, Project Name, and Date of Response.

The Borough of Matawan will accept proposals from solar financier/developers through this request for proposals (RFP) for the installation of a solar photovoltaic (PV) system on various buildings in the Borough. Included in the RFP is information about Borough of Matawan's planned solar project, to aid respondents in their proposals. The Borough of Matawan will evaluate and select a company based upon these proposals to move forward with the final development and implementation of the solar project.

The Borough's goals for this solar project are to:

- Maximize savings through a lower electric rate provided by a solar power purchase agreement (PPA)
- Offset as much of the Borough's electric load as possible
- Inspire sustainability within the community
- Provide a safe installation for firefighters and first responders in the event of emergency.

The Borough is requesting proposed PPA rates based upon the information contained in this proposal. The final PPA rate, terms, and conditions will be determined between the Borough and the successful proposer. Providers submitting proposals must have the ability to offer PPA financing. Given the multiple facets that constitute a solar development project, multiple parties may jointly submit Proposals in partnership. Proposals will be evaluated based on the qualifications of the Provider, scope of services to be provided, and PPA terms offered. Providers should use this RFP as a guide for organizing their proposal but are encouraged to expand upon, refine, or suggest alternative approaches based on previous experience with similar projects.

A Pre-Proposal Conference will be held on 10:00 AM, July 27, 2017, at the **Borough of Matawan, Matawan Municipal Community Center, 201 Broad Street, Matawan, NJ.** A facility inspection will occur immediately following the Pre-Proposal Conference and be required for all proposers.

A copy of the request for qualifications document may be obtained at the Office of the Borough Clerk, Borough of Matawan, 201 Broad Street, Matawan, NJ during normal business hours, by contacting the Clerk at [karen.wynne@matawanborough.com](mailto:karen.wynne@matawanborough.com) or on the Borough's website [www.matawanborough.com](http://www.matawanborough.com).

The Borough reserves the right to reject all Proposals and determine that it will not award any contracts in response to the RFP. Should a contract be awarded, it will be awarded by the Borough at a public meeting(s) pursuant to a fair and open process and in accordance with the criteria set forth in this RFP, and in accordance with applicable laws.

This proposal is being solicited through a competitive contracting process in accordance with the Local Public Contracts Law, NJSA 40A:11-4.1 et seq. The Project requires bidders to, among other things, adhere to requirements applicable to public works contracts such as the Prevailing Wage Act (NJSA 34:11-56.25 et seq); the Public Works Contractor Registration Act (NJSA 34:11-56.48) and the Business Registration Act (PL 2004, c. 57); Equal Employment Opportunity Laws and Regulation, Americans With Disabilities Act of 1990, PL 2004, C19; the New Jersey Local Unit Pay-to-Play Law (NJSA 19:44-A-20.4 et seq) and the New Jersey Campaign Contributions and Expenditure Reporting Act (NJSA 19:44A-1 et seq).

By Order of the Mayor and Council of the Borough of Matawan.

Karen Wynne, RMC  
Municipal Clerk

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# 1. Introduction

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The Borough of Matawan will accept proposals from solar financier/developers through this request for proposals (RFP) for the installation of a solar photovoltaic (PV) system on various buildings in the Borough. Included in this RFP is information about Borough of Matawan's planned solar project, to aid respondents in their proposals. Borough of Matawan will evaluate and select a company based upon these proposals to move forward with the final development and implementation of the solar project.

The Borough's goals for this solar project are to:

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Responses to this RFP must be submitted no later than 10:00 AM Tuesday, August 8, 2017. If you have any questions, please submit to Louis Ferrara, Borough Administrator, [louis.ferrara@matawanborough.com](mailto:louis.ferrara@matawanborough.com), via email. Thank you in advance for your participation. We look forward to your proposal.

Sincerely,

Louis Ferrara, Borough Administrator

## 2. Scope of Services to be provided

The Provider will provide fully managed PV development services that include, but are not limited to, site assessment; system design; financing; and securing the necessary labor, services, equipment, funding, permits and approvals to develop fully operational PV systems at each Project Site; will commission, monitor, operate, and maintain the systems after installation for Projects Sites; and will establish and maintain construction standards, safety, and quality control throughout the work.

Services to be provided by the Provider include:

### Site Assessment and Final Proposal

The Provider will conduct an assessment of each site within the Borough, including an analysis of the impact of shading, tilt, and orientation on annual electricity production, and note any electrical, mechanical or structural considerations that may incur costs above and beyond the PPA rate being offered.

The Provider will submit a Final Proposal for each Project Site including:

- kW DC generating capacity, project layout, configuration, azimuth, tilt angle, derate factor, and projected degradation rate of proposed system.
- Projected annual energy generation in kWh for the full period of the PPA and projected monthly energy generation in kWh for year 1 of the PPA.
- Projected annual PPA costs and projected annual avoided utility costs for the full period of the PPA.
- Proposed PPA rate along with annual escalation and term of PPA (15 Years)
- Net present value of PV system.

### PPA Financing

The Borough is seeking third-party ownership, financing and maintenance agreement with the Provider. Proposers should indicate whether or not guaranteed financing is available, who will be funding the project, and who will own the system long term.

### Utility Interconnect

The selected Provider will be responsible for securing all required permits (not limited to but including: building, construction, electrical, environmental, and zoning) and interconnection requirements with JCP&L. The selected Proposer will also be responsible for scheduling and passing all jurisdictional and utility inspections.

### Environmental Permitting

The selected Provider will be responsible for securing all environmental permits.

### Geotechnical Surveys

The selected Provider will be responsible for all surveys required to quantify geotechnical conditions.

### Design and Installation

The installations will be carried out by the selected Provider in conformance with all applicable laws and codes, interconnection requirements, and established industry practices and will be completed as quickly and with as little disruption as reasonably possible.

Provide design documents that provide the following minimum information:

- Timeline/Project Schedule
- System description
- Equipment details and description
- Layout of installation
- Layout of equipment
- Selection of key equipment
- Specifications for equipment procurement and installation
- All engineering associated with structural and mounting details
- Performance of equipment components, and subsystems
- Electrical grid interconnection requirements
- Controls, monitors, and instrumentation
- System performance monitoring

Identify an appropriate location for the solar PV inverter equipment and its related components and environmental control systems that will meet the following criteria:

- Ease of maintenance and monitoring
- Efficient operation
- Low operating losses
- Secured location and hardware
- Compatibility with existing facilities
- Avoidance of flood-prone areas
- Visual harmony
- Approved firefighters' safety requirements

Contractor/Vendor shall provide three (3) sets of as-built drawings to the Borough.

#### Operation, Maintenance and Monitoring

The selected Provider will be responsible for the operation, maintenance, and monitoring of the PV system at each Site under the PPA. The selected Provider will make accessible to the Borough in an online interface showing instantaneous and cumulative energy production of each PV system deployed at each site that can be used for monitoring purposes. Historical cumulative energy production shall be available in monthly increments for a historical period of 26 months.

Annual on-site system inspection, including:

- System testing (operating current of each electrical string)
- Routine preventive maintenance

Repair and/or replacement of defective parts (including equipment and labor)

System performance monitoring and historical data access for customer via secure website. Data should include:

- System energy and power production
- Ambient temperature
- Wind speed

#### Communication

The selected Provider will be required to designate a specific staff member who will serve as the primary point of contact for the Borough during the Project Period (Development and Construction). The selected Provider will interface directly with the Borough. The selected Provider will provide regular progress updates during the Project Period. The selected Provider will be expected to be responsive and prompt in

communications with the Borough, when necessary. The Borough will designate a specific staff member to facilitate communication and coordination between the selected Provider and the Borough.

#### Fire Safety

The selected Provider will be required to include a “Firefighters Safety Procedure” manual in case of the event of a fire occurring with rooftop solar panels installed. It’s the responsibility of the proposer to receive approval(s) by the single and/or multiple Jurisdiction Holding Authority (JHA) for an acceptable “Firefighters Safety Procedure”.

#### PV System Removal

The awarded Contractor/Vendor shall bear the sole responsibility of removing the PV system at the end of the fifteen (15) year service term should the Borough, in its sole discretion, opt not to purchase the PV system.

# 3. Instructions & Evaluation Criteria

All proposals shall include the documents and information described in the Proposal Format section of this RFP. Please submit proposal as one .pdf document including all pages. Submit proposals in 8.5" x 11" document size using a minimum 10- point font size and a standard font.

Responses shall be submitted in the following manner: one (1) printed copy and one (1) copy submitted in electronic format (CD). All responses are to be clearly labeled which shall include the following information: Karen Wynne, Borough Clerk, Borough of Matawan, Name and Address of Respondent, Project Name, and Date of Response.

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The Borough of Matawan shall not be liable for any costs incurred by a Provider in the preparation and/or submission of a proposal. Any material submitted by a Provider will become the property of Borough of Matawan.

## Questions and Communications

Questions regarding any aspect of the RFP and the proposed projects that Providers may have should be directed to Louis Ferrara, Borough Administrator, and will be answered as expeditiously and completely as possible.

## Modifications and Clarifications

The Borough may modify the RFP at any time prior to the RFP due date, by issuance of a written addendum to all Providers who are participating in the process. The Borough may also cancel, delay, or suspend this solicitation at its sole discretion.

## Proposal Evaluation

All complete Proposals submitted by the proposal due date will be reviewed and evaluated by the Borough. Proposals will be evaluated on a scale of 100 points based on the criteria indicated in the Proposal Format section of this RFP. Proposal evaluation and selection of a Provider is at the sole discretion of the Borough.

During the evaluation process, the Borough may request clarification or additional information from any Provider. Interviews may be scheduled with one or more Providers and final and best offers may be requested by the Borough of any Provider.



# 4. Timeline

Below is a schedule of activities for this project. These dates are subject to change.

Activity	Estimated Date
RFP Released	July 17, 2017
Pre-proposal meeting & site visit	July 27, 2017 – 10:00 AM
RFP Due Date	August 8, 2017 – 10:00 AM

# 5. Proposal Format

All proposals must include the documents listed in the *Proposal Checklist* and described below.

Proposal Checklist	
	Cover Letter
	I. Company Qualifications
	II. Scope of Services and Schedule
	III. PPA Financing Terms
	IV. Sample PPA Contract
	V. Required Documentation
	VI. Official Statements by Proposers
	Appendix. Supporting Information

## Cover Letter

Provide a signed cover letter for the proposal. Include the name and address of the Provider, the name, address, email address, and telephone number(s) of the contact person who will be authorized to make representations for the Provider, and the firm's federal tax identification. The Provider may include any other relevant information that highlights their unique qualifications.

## I. Provider Profile and Qualifications (30 points)

This section shall include a brief description of the Provider's firm size and local organizational structure. Include a discussion of the firm's financial stability, capacity and resources.

Describe the demonstrated experience of the firm in developing solar PV systems, particularly on the scale described in this RFP, and describe how experience on previous projects relates to this Program. Describe experience working within Boroughs and other public entities in New Jersey. Describe your experience with and capacity to provide PPA financing for PV systems hosted on a variety of roof-top, ground-mounted, and car-port systems.

As part of this section, please include the following:

- The total number and capacity of commercial and industrial PV systems completed and brought online by the Provider in 2011, 2012, 2013, 2014 and 2015. Present this information in a table.
  - Specify how many of these systems are sited in NJ
  - Specify how many of these systems there are where they are located
  - Specify how many total systems the Provider currently operates under PPAs, and the size of the smallest and largest PV systems the Provider currently operates under a PPA.

- An organization chart listing executive and management positions and indicating part- time and full-time positions.
- At least three (3) references in New Jersey. The Provider may include as many as three (3) additional references that demonstrate the Provider's ability to complete this project. Customers with similar site characteristics and PV system sizes as the potential Project Sites are preferred. For each reference, please include:
  - The Organization name
  - The kW capacity of the project, if other scope was executed as part of the project (examples might include roof repair/replace work), initial rate and annual escalation.
  - A description of the Provider's role in the project
  - Date the PPA contract was signed
  - Date of substantial completion (commercial operation)
  - A contact name, contact title or position, email address, and telephone number
- A description of the Provider's experience with environmental permitting at a local and state (NJDEP) level
- A description of the key factors required for a successful project
- A description of the key points of failure for solar PPA projects
- List of key program team members by name and position, qualifications and experience. Specify which team member(s) will be the main contact person(s) for the program. Include resumes for those individuals who will be involved in this Project.
- Insurance coverage documentation and bonding capacity.

Contractor/Vendor or its subcontractors must be properly licensed in the State of New Jersey.

In addition to the project proposal, all Contractors/Vendors must include with their submission:

- A valid State of New Jersey Business Registration Certificate
- New Jersey Public Works Contractor Registration, If Applicable
- New Jersey Division of Property Management & Construction – DPMC Qualification, If Applicable
- Annual reports and/or certified financial statements covering the two most recent fiscal years Bank and credit references must also be provided
- Letter of guarantee from financier certifying that if selected, the project will be financed.
- Proposals must contain the following certified statements with attestation by a person authorized to bind the Proposer to this RFP proposal response:
  1. Proposer has read and agrees to the terms and conditions set forth in the RFP
  2. The terms and conditions set forth in the proposal will remain in effect for at least sixty (60) days from date of proposal submission
  3. Any comments or exceptions the Provider would like to make to this RFP
  4. List of relevant state licenses and industry certifications
  5. Proof of insurance and contractor bonding safety ratings
- The following Required forms:
  1. Statement of Ownership
  2. Non-Collusion Affidavit
  3. Consent of Surety
  4. Affirmative Action Affidavit
  5. Iranian Disclosure Certificate
  6. Certification
  7. Insurance or bonding certificate

## II. Scope of Services and Schedule (30 points)

In this section the Provider shall describe in detail how they will implement the Scope of Services described in this RFP. Provide a narrative and schedule addressing all work required to fulfill this scope, including the following elements:

### Project Schedule

Provide a sample Project Schedule showing the expected timeline for completion of the work. Include milestones for major work tasks including site evaluation, contract signature, system design, permitting and approvals, and system installation through commercial operation.

Describe any anticipated variation in this schedule based on project size or location. Explain any deviation or revision from the anticipated Timeline included in Section 4 of this RFP that the Provider believes will be necessary.

### Equipment and Warranties

Provide information about the manufacturer and/or models of PV modules, inverters, and racking equipment. Indicate where the PV modules and other major equipment is manufactured. Provide details about the equipment, labor, and roof penetration warranties provided by the Provider and/or manufacturer.

### Services by Others

Identify which, if any, elements of the Scope of Services (finance, design, construction, maintenance, or other services) will be managed by a partner, subcontractor, or third party other than the Provider. Describe how the Provider will maintain accountability for the quality and timeliness of the completion of the full Scope of Services.

### Permitting and Interconnection Expediting Plan

Provide a description of the Provider's method of and capacity to expedite all incentive filing, permitting and interconnection requirements with relevant state and local agencies.

### Operations and Maintenance Plan

Provide details about the maintenance plan and services provided under the PPA. Describe who will be providing the operations and maintenance support long term. Describe billing process of such operation and maintenance under the PPA.

### Fire Safety

Provide "Firefighters Safety Procedure" manual in case of the event of a fire occurring with rooftop solar panels installed. It's the responsibility of the proposer to receive approval(s) by the single and/or multiple Jurisdiction Holding Authority (JHA) for an acceptable "Firefighters Safety Procedure".

### Additional Services

The Provider may choose to describe any additional services that can be offered to the Project Sites on an optional basis. Briefly describe how these services would be evaluated, priced, and implemented. Indicate whether services could be included in the PPA financing.

- Roofing, electrical, and/or structural repairs necessary for the installation of a PV system.
- Emergency back-up energy storage and off-grid capability.
- Non-rooftop PV installations, such as parking lot canopies or ground-mount systems.
- Solar thermal (hot water) systems.
- Any other relevant optional services that align with the goals described in this RFP.

### III. PPA Financing Terms (40 points)

This section shall include a description of the Power Purchase Agreement terms and pricing to be provided to the Borough.

Please summarize the key characteristics and benefits of the proposed PPA, and provide the following:

Power Purchase Agreement Offer

Provide a PPA “Offer” or Offers for the Program. The Offer(s) shall include (1) the price per kWh in Year 1 of the PPA, (2) the annual escalation rate, and (3) the length of the PPA. Please summarize the Offer following the template below.

PPA Offer	
Year 1 price per kWh	
Annual escalation rate	
Length of the PPA	
End of PPA removal of asset	

The Provider may also provide additional PPA offers that it believes are beneficial to the Borough. Clearly specify the contingencies to which this Offer is subject, and how these contingencies will be evaluated. Preference will be given to Providers who can offer the best financing terms for the Borough.

Savings Estimates

Providers must the estimated Year 1 Savings based upon the PPA Offer for each of the sites, using the following form:

Year 1 Savings Estimates		
Site	Annual Production, kWh	Annual Savings, \$
<b>Borough Hall &amp; Community Center</b>		
<b>Public Works Building</b>		
<b>Water Treatment Plant</b>		
<b>Police Department</b>		

Savings should be calculated based on the site’s actual current utility rate structure, as shown on the utility bills within the Appendix. Utility costs that are not directly offset by solar generation (such as demand charges) shall not be included in any cost savings calculations. When estimating savings, assume an annual utility rate increase of 2.2%. All other assumptions should be reasonable and clearly stated. Providers may include any additional commentary regarding savings estimates for the Borough.

### Additional Costs

The Proposal must indicate any potential or likely additional costs or actions that may be required on the part of the Borough for project realization that would add to project cost above and beyond the PPA Rate offered.

## **IV. Sample PPA Contract**

Providers must include in this section a draft copy of the PPA Contract the Borough would execute, should the Provider be selected.

## **V. Required Documentation**

All proposers must include with their submission:

- A valid State of New Jersey Business Registration Certificate.
- New Jersey Division of Property Management Certification
- Annual reports and/or certified financial statements covering the two most recent fiscal years. Bank and credit references must also be provided.
- Unconditional Letter of guarantee from financier certifying that if selected, the project will be financed.

## **VI. Official Statements by Proposers**

Proposals must contain the following certified statements with attestation by a person authorized to bind the Proposer to this RFP proposal response:

1. Proposer has read and agrees to the terms and conditions set forth in the RFP;
2. The terms and conditions set forth in the proposal will remain in effect for at least sixty (60) days from date of proposal submission;
3. Any comments or exceptions the Provider would like to make to this RFP.
4. List of relevant state licenses and industry certifications
5. Proof of insurance and bonding safety ratings

## **Appendix: Supporting Information**

The Appendix may include any relevant supporting information, such as resumes, visual and performance documentation of previously completed solar projects, or other information that supports the proposal.

# 6. Appendices

The following appendices include information such as energy usage, site images, and roof conditions to allow Providers to complete their Proposals. The Provider shall be responsible for confirming this information and gathering any additional information necessary to implement the Scope of Services and provide Pricing.

## A. Project Summary

The Borough has developed a preliminary scope for the solar PV. The following information is to be used by Providers to submit their Proposals.

Total Annual Electric Consumption	557,575 kWh
Total Solar PV Systems Installed	0 kW
Total Annual Solar Production (Year 1)	0 kWh

This information is preliminary and subject to change during final development after the RFP. If after reviewing the Borough sites and the information associated with this RFP, a Provider wishes to include an alternate Proposal based upon a different set of parameters than those listed above, it may do so as an alternative labeled "Option B." All Providers are required to use the information above as the Base for Proposals, and must size solar arrays to the projected annual electric consumption.

All rooftop systems shall provide sufficient spacing to access roof hatches and service to mechanical and other rooftop equipment. Final system layouts are subject to approval by the Borough.

## B. Sites & Roof Conditions

### Area Available for Solar

Please see the following for the address of Borough of Matawan. Providers to assume roof mounted systems. Providers are expected to verify the feasibility of these locations with respect to shading, roof angles, structural analysis, sizing, and all other factors affecting a solar installation.

These areas should be used for Proposal purposes, but are subject to change following the RFP process.

### Rooftop Conditions

Proposer to carry the costs of a roof replacement

Areas shown in parking areas are for carport type solar installation.



**Borough Hall & Community Center**  
**201 Broad Street**  
**Matawan, NJ**



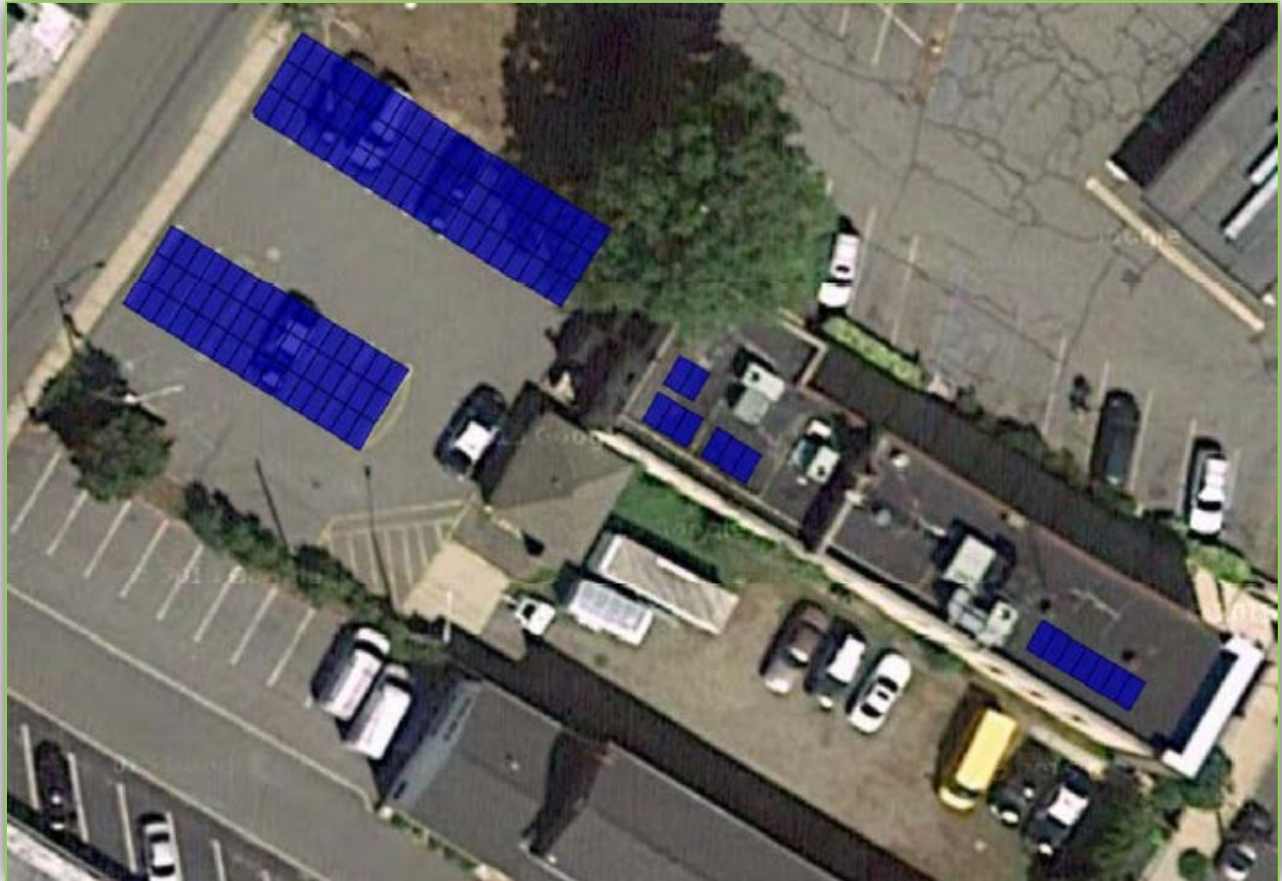
Public Works Building  
Public Works Drive  
Matawan, NJ



Water Treatment Plant  
Middlesex Road  
Matawan, NJ



Matawan Police Department  
150 Main Street  
Matawan, NJ



## C. Energy Use

### Total Utility Consumption and Site EUI

BUILDING NAME	SIZE Sq Ft	ELECTRIC				
		Usage kWh	Demand kW	Usage BTU / Sq Ft	Total Cost \$	Unit Cost \$ / kWh
Borough Hall & Community Center	43,700	272,596	91	21,284	\$33,341	\$0.122
Public Works Building	8,000	20,644	0	8,805	\$3,360	\$0.163
Water Treatment Plant	2,965	333,120	108	383,341	\$45,074	\$0.135
Police Department	4,000	159,200	46	135,798	\$16,818	\$0.106
<b>TOTALS</b>	<b>58,665</b>	<b>785,560</b>	<b>245</b>	<b>45,689</b>	<b>\$98,592</b>	<b>\$0.126</b>

BUILDING NAME	SIZE Sq Ft	TOTAL ENERGY	TOTAL ENERGY COST	SITE EUI		SITE ECI	
		Usage BTUs	Cost \$	Usage BTU / Sq Ft	CBECS +/- %	Cost \$ / Sq Ft	CBECS +/- %
Borough Hall & Community Center	43,700	3,276,439,532	\$74,673	74,976	10%	\$1.71	15%
Public Works Building	8,000	665,510,328	\$12,294	83,189	-84%	\$1.54	23%
Water Treatment Plant	2,965	1,136,605,440	\$45,074	383,341	N/A	\$15.20	N/A
Police Department	4,000	795,359,400	\$19,782	198,840	-72%	\$4.95	-147%
<b>TOTALS</b>	<b>58,665</b>	<b>5,873,914,700</b>	<b>\$151,824</b>	<b>100,126</b>	<b>-25%</b>	<b>\$2.59</b>	<b>-29%</b>

Below is a detailed account of each of the electrical utility bills

### Borough Hall & Community Center

Borough Hall & Community Center	Electric Meter #1											
	Provider:	JCP&L			Account #	100 006 659 021				Meter #	G21406452	
	Commodity:				Account #					Meter #		
Month / Year	Billing Period Start Date	Actual Reading	Usage kWh	Demand kW	Electric Delivery Charges	Electric Commodity Charges	Electric Demand Charges	Electric Total Charges	Cost / kWh Checksum	Days	Load Factor	BTU
Mar-14	2/13/2014	3/13/2014	19,520	51	\$2,058		\$268	\$2,326	\$0.119	29	55%	66,602,240
Apr-14	3/14/2014	4/10/2014	24,480	58	\$2,565		\$310	\$2,875	\$0.117	28	63%	83,525,760
May-14	4/11/2014	5/13/2014	22,880	57	\$2,401		\$306	\$2,707	\$0.118	33	50%	78,066,560
Jun-14	5/14/2014	6/12/2014	22,080	79	\$2,324		\$476	\$2,800	\$0.127	30	39%	75,336,960
Jul-14	6/13/2014	7/14/2014	30,880	91	\$3,223		\$565	\$3,788	\$0.123	32	44%	105,362,560
Aug-14	7/15/2014	8/13/2014	28,160	81	\$2,945		\$495	\$3,440	\$0.122	30	48%	96,081,920
Sep-14	8/14/2014	9/11/2014	22,400	84	\$2,364		\$514	\$2,877	\$0.128	29	38%	76,428,800
Oct-14	9/12/2014	10/9/2014	17,920	56	\$1,906		\$299	\$2,205	\$0.123	28	47%	61,143,040
Nov-14	10/10/2014	11/10/2014	17,920	56	\$1,901		\$299	\$2,200	\$0.123	32	42%	61,143,040
Dec-14	11/11/2014	12/11/2014	20,320	57	\$2,138		\$303	\$2,441	\$0.120	31	48%	69,331,840
Jan-15	12/12/2014	1/12/2015	21,440	56	\$2,302		\$300	\$2,602	\$0.121	32	50%	73,153,280
Feb-15	1/13/2015	2/12/2015	23,360	56	\$2,467		\$296	\$2,763	\$0.118	31	56%	79,704,320
<b>Total</b>			<b>271,360</b>	<b>91</b>	<b>\$28,593</b>	<b>\$0</b>	<b>\$4,430</b>	<b>\$33,023</b>	<b>\$0.122</b>	<b>365</b>	<b>34%</b>	<b>925,880,320</b>

Borough Hall & Community Center												
Electric Meter #2												
Provider:				Account #					Meter #			
Commodity:				Account #					Meter #			
Billing Period Start Date	Actual Reading	Usage kWh	Demand kW	Electric Delivery Charges	Electric Commodity Charges	Electric Demand Charges	Electric Total Charges	Cost / kWh Checksum	Days	Load Factor	BTU	
2/13/2014	3/13/2014	103		\$27			\$27	\$0.263	29	-	351,436	
3/14/2014	4/10/2014	103		\$27			\$27	\$0.262	28	-	351,436	
4/11/2014	5/13/2014	103		\$26			\$26	\$0.256	33	-	351,436	
5/14/2014	6/12/2014	103		\$27			\$27	\$0.259	30	-	351,436	
6/13/2014	7/14/2014	103		\$26			\$26	\$0.257	32	-	351,436	
7/15/2014	8/13/2014	103		\$26			\$26	\$0.257	30	-	351,436	
8/14/2014	9/11/2014	103		\$26			\$26	\$0.257	29	-	351,436	
9/12/2014	10/9/2014	103		\$26			\$26	\$0.255	28	-	351,436	
10/10/2014	11/10/2014	103		\$26			\$26	\$0.255	32	-	351,436	
11/11/2014	12/11/2014	103		\$26			\$26	\$0.256	31	-	351,436	
12/12/2014	1/12/2015	103		\$26			\$26	\$0.256	32	-	351,436	
1/13/2015	2/12/2015	103		\$26			\$26	\$0.256	31	-	351,436	
		1,236	0	\$318	\$0	\$0	\$318	\$0.258	365	-	4,217,232	

Borough Hall & Community Center									
TOTAL ELECTRIC									
Usage kWh	Demand kW	Electric Delivery Charges	Electric Commodity Charges	Electric Demand Charges	Electric Total Charges	Cost / kWh Checksum	Days	Load Factor	Electric BTU
19,623	51	\$2,085	\$0	\$268	\$2,353	\$0.120	15	106%	66,953,676
24,583	58	\$2,592	\$0	\$310	\$2,901	\$0.118	14	126%	83,877,196
22,983	57	\$2,428	\$0	\$306	\$2,734	\$0.119	17	101%	78,417,996
22,183	79	\$2,351	\$0	\$476	\$2,827	\$0.127	15	78%	75,688,396
30,983	91	\$3,250	\$0	\$565	\$3,814	\$0.123	16	88%	105,713,996
28,263	81	\$2,972	\$0	\$495	\$3,466	\$0.123	15	97%	96,433,356
22,503	84	\$2,390	\$0	\$514	\$2,904	\$0.129	15	77%	76,780,236
18,023	56	\$1,932	\$0	\$299	\$2,231	\$0.124	14	95%	61,494,476
18,023	56	\$1,927	\$0	\$299	\$2,226	\$0.124	16	84%	61,494,476
20,423	57	\$2,164	\$0	\$303	\$2,467	\$0.121	16	97%	69,683,276
21,543	56	\$2,329	\$0	\$300	\$2,628	\$0.122	16	100%	73,504,716
23,463	56	\$2,493	\$0	\$296	\$2,789	\$0.119	16	113%	80,055,756
272,596	91	\$28,911	\$0	\$4,430	\$33,341	\$0.122	183	68%	930,097,552

Borough Hall & Community Center							
Natural Gas Meter #1							
Provider:	NJNG		Account #	2-0008-1168-4		Meter #	00719632
Commodity:	DEB		Account #	22-0008-1168-41-00719632		Meter #	
Billing Period Start Date	Actual Reading	Therms	Gas Delivery Charges	Gas Commodity Charges	Gas Total Charges	Cost / Unit Checksum	BTU
2/6/2014	3/7/2014	1,282	\$742	\$680	\$1,422	\$1.11	128,187,000
3/8/2014	4/7/2014	754	\$447	\$400	\$847	\$1.12	75,449,000
4/8/2014	5/7/2014	281	\$182	\$149	\$331	\$1.18	28,092,000
5/8/2014	6/6/2014	25	\$39	\$13	\$52	\$2.10	2,465,000
6/7/2014	7/8/2014	0	\$25	\$0	\$25	-	0
7/9/2014	8/7/2014	0	\$25	\$0	\$25	-	0
8/8/2014	9/5/2014	0	\$25	\$0	\$25	-	0
9/6/2014	10/3/2014	11	\$31	\$6	\$37	\$3.41	1,076,000
10/4/2014	11/4/2014	165	\$108	\$88	\$196	\$1.19	16,538,000
11/5/2014	12/5/2014	558	\$306	\$296	\$602	\$1.08	55,794,000
12/6/2014	1/8/2015	912	\$485	\$484	\$969	\$1.06	91,239,000
1/9/2015	2/6/2015	1,173	\$616	\$610	\$1,227	\$1.05	117,300,000
		5,161	\$3,031	\$2,727	\$5,758	\$1.12	516,140,000

Borough Hall & Community Center						
Fuel Oil Gallons						
Provider:	Taylor Oil		Account #	01-0062396	Meter #	
Billing Period Start Date	Actual Reading	Fuel Oil Gallons	\$	Cost / Unit Checksum	BTU	
2/3/2014	3/3/2014	2,074	\$7,170	\$3.46	308,981,300	
3/4/2014	4/9/2014	705	\$2,377	\$3.37	105,015,200	
4/10/2014	10/31/2014	1,909	\$5,546	\$2.90	284,500,600	
11/1/2014	12/3/2014	2,193	\$5,627	\$2.57	326,801,700	
12/4/2014	1/6/2015	2,800	\$6,152	\$2.20	417,125,500	
1/7/2015	2/3/2015	3,515	\$8,701	\$2.48	523,690,300	
		13,195	\$35,574	\$2.70	1,966,114,600	

# Public Works Building

Electric Meter #1												
Public Works Building	Provider:		JCP&L		Account #		100 006 379 893			Meter #		G28634058
	Commodity:				Account #					Meter #		
Month / Year	Billing Period Start Date	Actual Reading	Usage kWh	Demand kW	Electric Delivery Charges	Electric Commodity Charges	Electric Demand Charges	Electric Total Charges	Cost / kWh Checksum	Days	Load Factor	BTU
Mar-14	2/14/2014	3/14/2014	1,426		\$86	\$325		\$411	\$0.288	29	#DIV/0!	4,865,512
Apr-14	3/15/2014	4/15/2014	1,634		\$89	\$142		\$231	\$0.141	32	#DIV/0!	5,575,208
May-14	4/16/2014	5/14/2014	1,578		\$88	\$137		\$225	\$0.143	29	#DIV/0!	5,384,136
Jun-14	5/15/2014	6/12/2014	942		\$80	\$82		\$162	\$0.172	29	#DIV/0!	3,214,104
Jul-14	6/13/2014	7/16/2014	1,322		\$183	\$281		\$465	\$0.351	34	#DIV/0!	4,510,664
Aug-14	7/17/2014	8/13/2014	1,891		\$97	\$165		\$262	\$0.138	28	#DIV/0!	6,452,092
Sep-14	8/14/2014	9/15/2014	2,648		\$110	\$230		\$340	\$0.128	33	#DIV/0!	9,034,976
Oct-14	9/16/2014	10/13/2014	1,385		\$86	\$120		\$206	\$0.149	28	#DIV/0!	4,725,620
Nov-14	10/14/2014	11/12/2014	1,255		\$84	\$109		\$193	\$0.154	30	#DIV/0!	4,282,060
Dec-14	11/13/2014	12/12/2014	1,941		\$94	\$169		\$263	\$0.136	30	#DIV/0!	6,622,692
Jan-15	12/13/2014	1/13/2015	2,204		\$98	\$192		\$290	\$0.132	32	#DIV/0!	7,520,048
Feb-15	1/14/2015	2/13/2015	2,418		\$102	\$210		\$313	\$0.129	31	#DIV/0!	8,250,216
<b>Total</b>			20,644	0	\$1,197	\$2,163	\$0	\$3,360	\$0.163	365	#DIV/0!	70,437,328

Public Works Building									
Natural Gas Meter #1									
Provider:	NJNG		Account #		03-2312-6966-16		Meter #		00786128
	Commodity:		DEB		Account #		03-2312-6966-16-00786128		Meter #
Billing Period Start Date	Actual Reading	Therms	Gas Delivery Charges	Gas Commodity Charges	Gas Total Charges	Cost / Unit Checksum	BTU		
2/6/2014	3/7/2014	175	\$959	\$910	\$1,869	\$10.69	17,488,000		
3/8/2014	4/7/2014	1,006	\$609	\$534	\$1,143	\$1.14	100,599,000		
4/8/2014	5/7/2014	441	\$330	\$234	\$564	\$1.28	44,067,000		
5/8/2014	6/6/2014	99	\$161	\$52	\$213	\$2.16	9,859,000		
6/7/2014	7/8/2014	5	\$115	\$3	\$118	\$21.99	536,000		
7/9/2014	8/7/2014	2	\$113	\$1	\$115	\$53.55	214,000		
8/8/2014	9/5/2014	3	\$114	\$2	\$116	\$35.82	323,000		
9/6/2014	10/3/2014	5	\$130	\$3	\$133	\$24.75	538,000		
10/4/2014	11/4/2014	338	\$283	\$180	\$462	\$1.37	33,828,000		
11/5/2014	12/5/2014	925	\$552	\$491	\$1,043	\$1.13	92,523,000		
12/6/2014	1/8/2015	1,337	\$741	\$710	\$1,451	\$1.08	133,716,000		
1/9/2015	2/6/2015	1,614	\$868	\$839	\$1,707	\$1.06	161,382,000		
		5,951	\$4,976	\$3,958	\$8,934	\$1.50	595,073,000		



## Water Treatment Plant

Water Treatment Plant	Electric Meter #1												
	Provider:	JCP&L			Account #	100 105 456 188				Meter #	S308669609		
	Commodity:				Account #					Meter #			
Month / Year	Billing Period Start Date	Actual Reading	Usage kWh	Demand kW	Electric Delivery Charges	Electric Commodity Charges	Electric Demand Charges	Electric Total Charges	Cost / kWh Checksum	Days	Load Factor	BTU	
Mar-14	2/14/2014	3/14/2014	27,000	49	\$3,212		\$315	\$3,527	\$0.131	29	80%	92,124,000	
Apr-14	3/15/2014	4/14/2014	17,280	96	\$2,061		\$302	\$2,363	\$0.137	31	24%	58,959,360	
May-14	4/15/2014	5/13/2014	13,440	75	\$1,617		\$485	\$2,102	\$0.156	29	26%	45,857,280	
Jun-14	5/14/2014	6/13/2014	33,000	91	\$3,939		\$630	\$4,569	\$0.138	31	49%	112,596,000	
Jul-14	6/14/2014	7/15/2014	62,120	108	\$7,361		\$750	\$8,110	\$0.131	32	75%	211,953,440	
Aug-14	7/16/2014	8/13/2014	43,880	77	\$5,220		\$534	\$5,753	\$0.131	29	82%	149,718,560	
Sep-14	8/14/2014	9/12/2014	45,400	77	\$5,377		\$534	\$5,910	\$0.130	30	82%	154,904,800	
Oct-14	9/13/2014	10/14/2014	25,280	77	\$2,886		\$498	\$3,384	\$0.134	32	43%	86,255,360	
Nov-14	10/15/2014	11/11/2014	7,920	87	\$946		\$565	\$1,512	\$0.191	28	13%	27,023,040	
Dec-14	11/12/2014	12/12/2014	15,880	108	\$1,856		\$341	\$2,197	\$0.138	31	20%	54,182,560	
Jan-15	12/13/2014	1/13/2015	21,280	108	\$2,514		\$341	\$2,856	\$0.134	32	26%	72,607,360	
Feb-15	1/14/2015	2/13/2015	20,640	108	\$2,549		\$241	\$2,790	\$0.135	31	26%	70,423,680	
<b>Total</b>			<b>333,120</b>	<b>108</b>	<b>\$39,539</b>	<b>\$0</b>	<b>\$5,535</b>	<b>\$45,074</b>	<b>\$0.135</b>	<b>365</b>	<b>35%</b>	<b>1,136,605,440</b>	

## Police Department

Police Department	Electric Meter #1												
	Provider:	JCP&L			Account #	100 006 589 715				Meter #	G28742918		
	Commodity:				Account #					Meter #			
Month / Year	Billing Period Start Date	Actual Reading	Usage kWh	Demand kW	Electric Delivery Charges	Electric Commodity Charges	Electric Demand Charges	Electric Total Charges	Cost / kWh Checksum	Days	Load Factor	BTU	
May-14	4/11/2014	5/13/2014	12,000	32	\$1,290		\$140	\$1,430	\$0.119	33	48%	40,944,000	
Jun-14	5/14/2014	6/12/2014	12,000	33	\$1,294		\$161	\$1,455	\$0.121	30	50%	40,944,000	
Jul-14	6/13/2014	7/14/2014	14,600	38	\$1,560		\$192	\$1,752	\$0.120	32	51%	49,815,200	
Aug-14	7/15/2014	8/13/2014	13,200	43	\$1,417		\$228	\$1,645	\$0.125	30	43%	45,038,400	
Sep-14	8/14/2014	9/11/2014	11,600	41	\$1,257		\$214	\$1,471	\$0.127	29	41%	39,579,200	
Oct-14	9/12/2014	10/9/2014	15,600	30	\$1,668		\$129	\$1,797	\$0.115	28	77%	53,227,200	
Nov-14	10/10/2014	11/13/2014	7,200	41	\$802		\$199	\$1,001	\$0.139	35	21%	24,566,400	
Dec-14	11/14/2014	12/11/2014	11,800	32	\$1,273		\$145	\$1,418	\$0.120	28	54%	40,261,600	
Jan-15	12/12/2014	1/12/2015	16,600	35	\$1,631		\$296	\$1,927	\$0.116	32	62%	56,639,200	
Feb-15	1/13/2015	2/12/2015	16,800	36	\$1,792		\$171	\$1,963	\$0.117	31	62%	57,321,600	
Mar-15	2/13/2015	3/14/2015	14,400	31	\$302		\$138	\$440	\$0.031	30	64%	49,132,800	
Apr-15	3/15/2015	4/12/2015	13,400	46	\$285		\$233	\$518	\$0.039	29	42%	45,720,800	
<b>Total</b>			<b>159,200</b>	<b>46</b>	<b>\$14,572</b>	<b>\$0</b>	<b>\$2,246</b>	<b>\$16,818</b>	<b>\$0.106</b>	<b>367</b>	<b>39%</b>	<b>543,190,400</b>	

Police Department								
Natural Gas Meter #1								
Provider:	NJNG		Account #	04-2322-1115-11			Meter #	00321968
Commodity:	DEB		Account #	04-2322-1115-11-00932358			Meter #	
Billing Period Start Date	Actual Reading	Therms	Gas Delivery Charges	Gas Commodity Charges	Gas Total Charges	Cost / Unit Checksum	BTU	
2/6/2014	3/7/2014	617	\$370	\$328	\$698	\$1.13	61,736,000	
3/8/2014	4/7/2014	347	\$219	\$184	\$403	\$1.16	34,674,000	
4/8/2014	5/7/2014	122	\$93	\$65	\$158	\$1.29	12,223,000	
5/8/2014	6/6/2014	28	\$41	\$15	\$55	\$1.99	2,786,000	
6/7/2014	7/8/2014	0	\$25	\$0	\$25	-	0	
7/9/2014	8/7/2014	1	\$26	\$1	\$26	\$24.46	107,000	
8/8/2014	9/5/2014	0	\$25	\$0	\$25	-	0	
9/6/2014	10/3/2014	5	\$28	\$3	\$31	\$5.73	538,000	
10/4/2014	11/4/2014	44	\$47	\$23	\$71	\$1.60	4,402,000	
11/5/2014	12/5/2014	251	\$152	\$133	\$285	\$1.13	25,096,000	
12/6/2014	1/8/2015	490	\$272	\$260	\$532	\$1.09	48,979,000	
1/9/2015	2/6/2015	616	\$336	\$321	\$656	\$1.06	61,628,000	
		2,522	\$1,633	\$1,332	\$2,965	\$1.18	252,169,000	

## D. ESIP Post Project Energy Usage Index

The Solar PPA is being executed in conjunction with a large capital improvement project funded under the New Jersey Energy Savings Improvement Program. This project will provide new anticipate electrical usage for each building. The proposer shall not provide more kWh of generated electricity than the following post-project EUI for each building.

BUILDING NAME	SIZE Sq Ft	ELECTRIC			
		Usage kWh	Demand kW	Usage BTU / Sq Ft	Cost \$
Borough Hall & Community Center	43,700	108,636	48	8,482	\$14,350
Public Works Building	8,000	7,071	0	3,016	\$778
Water Treatment Plant	2,965	324,477	107	373,395	\$40,981
Police Department	4,000	117,391	37	100,135	\$14,754
<b>TOTALS</b>	<b>58,665</b>	<b>557,575</b>	<b>192</b>	<b>32,429</b>	<b>\$70,862</b>