

# **TOWN OF CUMBERLAND REQUEST FOR PROPOSALS**

## **FOR SOLAR PHOTOVOLTAIC PROJECT**

### **Statement of Purpose**

The Town of Cumberland's goal is to reduce its carbon footprint and optimize utility rates through the installation of solar photovoltaic ("PV") systems. The Town is therefore soliciting proposals from qualified firms to provide cost effective solar PV systems at its capped Landfill (1990's) on Drowne Road. This Request for Proposals is to identify one or more solar energy firms ("solar providers") to design, permit, install, finance, own, operate, and maintain the PV systems.

The Town intends to enter into a power purchase agreement ("PPA") for a term of up to twenty (20) years with the solar provider(s). This could include leasing a portion of these sites (or all of the landfill's potential solar PV site), and the type of project is not restricted to a Town PPA if some other arrangement is feasible and can be negotiated to be in the best interests of the Town.

### **Project Scope and Standards**

The scope of services provided shall be one or more "turn-key" solar PV projects including planning, engineering, labor, materials, delivery, installation, and commissioning, as well as all warranties and maintenance as described more fully in a PPA and/or lease agreement. Solar production shall include real time web-based monitoring made available to the Town for public viewing via the internet.

The Town believes that the following facilities are potential sites for solar PV systems. It is believed that the installation of solar systems at these facilities will not void roof integrity or warranties, not interfere with any existing equipment, and not pose a problem at the capped landfill, however verification by a licensed engineer is necessary before entering into a PPA.

Town facilities available through this RFP:

- Capped Landfill (10 acre site) - off Drowne Rd ( off Tuttle Rd)

The selected solar provider(s) will design, install, finance, own, operate, and maintain solar PV ground mounted system, which will maximize the solar resources at the designated facility. The solar provider(s) will be responsible for preparing MDEP permits to install the PV system on the landfill. All the electrical design must be completed and/or approved by a licensed electrical engineer.

All equipment shall be UL listed. The project(s) must use energy-generation devices that are commercially available and offer warranties, spare parts, and service commensurate with their commercial status.

A PPA will apply to the capped landfill site. The PPA is expected to be up to a 7 year term with options to buyout and purchase the entire system. Solar provider(s) will design, install, finance,

own, operate, and maintain the PV systems pursuant to the terms and conditions of an agreed upon solar PPA and according to the pricing proposals received. This RFP is not a contract offer, and no contract will exist unless and until a PPA is signed by the Town and the solar provider(s).

No feasibility study or MDEP work has been done for the landfill site. Sevee & Maher Engineers have done the majority of inspections and gas monitoring for the Town. A geotechnical study has not been done for the site

For any and all projects the Town expects to pay no up-front fees. The solar provider shall be responsible for obtaining all required permits, utility interconnection, net metering agreements, and solar program incentives available. The solar provider(s) will be responsible for maintenance and repair of the landfill cover system within the limits of the PV system during the term of the PPA which includes annual mowing.

The Successful Bidder must comply with the following:

Non-discrimination in Employment and Labor Standards: Bidders on this work and all subcontractors will be required to comply with the President's Executive Order No. 11246 (EEO) and the amendments and supplements to that Order regarding affirmative action and equal employment opportunity. A Compliance Certification Form is required with bid (Supplemental Conditions SC-20 CDBG Program Federal Contract Provisions). Requirements under this Order are detailed in the Bidding Documents.

Department of Labor Regulations: The Contractor must comply with all the Safety and Health Regulations (CFR29 Part 1926 and all subsequent amendments) as promulgated by the US Department of Labor on June 24, 1974; the Department of Labor Regulations relating to Copeland "Anti-Kickback Act (18 U.S.C. 874) as supplemented by 29 CFR Part 3; Contract Work Hours and Safety Standards Act (40 U.S.C. 327-330) as supplemented by 29 CFR Part 5, and Occupational Safety and Health Standards (OSHA) (29 CFR Part 1910).

Environmental Regulations: The Contractor must comply with all applicable standards, orders, or requirements issued under Section 306 of the Clean Air Act (42 U.S.C. 1857(h)), Section 508 of the Clean Water Act (33 U.S.C. 1368), Executive Order 11738 and Environmental Protection Agency regulations (40 CFR Part 15). Contractors are urged to become familiar with the requirements of these regulations.

The Owner reserves the right to reject any or all Bids, to waive any technical or legal deficiencies, and to accept any Bid that it may deem to be in the best interests of the Owner. By Order of the Town Council of Cumberland.

At the time of the opening of bids, each bidder will be presumed to have inspected the site. The Contractor shall make the Bid from their own examinations and estimates, and shall not hold the Town, its agents, employees or independent Engineer or agents hired by the Town, responsible for or bound by any schedule.

## Qualifications of Bidders

The Town may make such investigation as it deems necessary to determine the ability of the bidder to perform the work, and the bidder shall furnish to the Town all such information and data for this purpose as the Town may request. The Town reserves the right to reject any bid if the evidence submitted by, or investigation of, such bidder fails to satisfy the Town that such bidder is properly qualified to carry out the obligations of the Contract and to complete the work contemplated therein. Conditional bids will not be accepted. The Town may require pre-qualification data from bidders unknown to it.

## Addenda and Interpretations

No interpretation of the meaning of the Plans, Specifications, or other Contract Documents will be made to any bidder orally. Every request for such interpretation should be in writing, addressed to the **Town Manager Bill Shane at [Cumberlandmesolar@cumberlandmaine.com](mailto:Cumberlandmesolar@cumberlandmaine.com)** and to be given consideration, must be received **by 5 PM, March 31, 2018**. Any and all such interpretations and any supplemental instructions will be in the form of written addenda. Failure of any bidder to receive any such addendum or interpretation shall not relieve any bidder from any obligation under their bid as submitted. All addenda so issued shall become part of the Contract Documents.

## Proposal Process

Sealed bids for the power purchase agreement for solar photovoltaic systems will be received by the Town of Cumberland at the Cumberland Town Hall until **2:00 PM on Wednesday, April 4, 2018** and then at said office publicly opened and read aloud. Bids submitted after this time will not be accepted. Each bidder must submit one (1) unbound proposal, six (6) bound copies, and an electronic version in pdf on a thumb drive of their proposal, which must be clearly marked "Bid for Solar Photovoltaic – Cumberland, Maine."

## Process Timeline

RFP Release date	Friday, March 16, 2018
Pre bid meeting & site tour	March 23, 9 AM – Town Hall
Deadline Last Day for submitting RFP questions	March 31, 2018 5PM
RFP proposals Due	April 4, 2018 2 PM

\*The solar provider(s) selected must be available to present their proposal to the Town Council and public at up to two (2) Council workshops and/or meetings.

## **Pre-Proposal Site Tour**

**A pre-proposal site visit may be scheduled by contacting Chris Bolduc or Bill Shane at 829-2205.**

## **Questions and Inquiries**

It is the respondent's responsibility to advise this RFP's official contact, Bill Shane, Town Manager & Cumberland Climate Action Team concerning any conflicting requirements, omissions of information, or the need for clarification before proposals are due. Contact with any other Town of Cumberland employee can result in disqualification.

Questions concerning the RFP process and procedures, the RFP's specifications, or the PPA must be submitted **by March 31, 2018** in writing by email and directed to:

Bill Shane, Town Manager  
290 Tuttle Road  
Cumberland, ME 04021  
RE: Solar Farm Project  
[Cumberlandmesolar@cumberlandmaine.com](mailto:Cumberlandmesolar@cumberlandmaine.com)

## **Submission Requirements**

Given the scale of the solar PV program intended, the Town is interested in establishing a relationship with one or more solar provider(s) that clearly demonstrate the ability to fully deliver the scope of services called for in this RFP.

As such, all proposals shall include the following information and documents, be clear and unambiguous, and be presented in the manner set forth below:

### **A. Qualifications**

- Demonstrated extensive experience in the successful installation and management of multiple, large commercial or public solar electric systems.
- Previous work with a public entity on a solar PV program.
- Possession of all applicable valid and pertinent State of Maine licenses for the installation of commercial solar PV systems in Maine.
- If not a locally-based firm, has established a partnership with a local office or project manager, or will do so if selected. Local is defined to be within a 100-mile radius of Cumberland, Maine.
- Sufficient, current information indicating the solar provider's financial strength and the stability of the solar provider in terms of length of service, professional capabilities, construction experience and capabilities over time.

## B. Project team profile

- Resumes of personnel to be directly involved with the development of the proposed systems.
- Team leader identification for the entire proposal, including full contact information.
- Identification of each entity, sub-contractor, person or firm involved in the proposal and their role/responsibility (e.g. design, installation, permitting, equipment supply by component, operations, and maintenance), including the relationship between team members.
- A brief description of each team member's firm and their ability to contribute to successful solar PV program implementation (history, performance of similar scope of services, etc.).
- History of past projects that the team members have worked on together.

## C. Project Experience

- Provide an overview of the firm'(s) commercial grid-connected PV experience (do not include residential PV experience).
- Breakdown by application (roof mounted, vs. ground mounted) installed by your company.
- Average commercial grid-connected PV system size installed by your company during the last five years.
- Total commercial MWp of grid-connected PV systems installed under straight sales and Power Purchase Agreements.
- Experience with local government projects.

## D. References

- List three (3) or more references for power purchase agreements for solar PV projects or developments within the past five (5) years. Include for each project:
  - Project name & location
  - Project size (total cost and project *capacity* in kW)
  - Project type – turnkey or third party energy sales
  - Cumulative kWh produced since system installation
  - Year completed
  - Name of project manager
  - Name of client contact
  - Physical description of the project (equipment manufacturer, model, etc.)
  - A brief discussion of any specific challenges and how they were overcome

## E. Technical description

- A system schematic design layout for the solar PV system, including PV model type and model number, wattage, number of modules, year 1 estimated production,

degradation percentage, inverter type and model, mounting system type, azimuth, tilt, and system size (AC and DC).

- Details about the estimated kilowatt hours (kWh) generated by the proposed PV systems, including all necessary assumptions such as sunlight availability, dark time, maintenance downtime, mean time between failures, efficiency of the system proposed, efficiency losses, and net metering.
- A complete project schedule indicating major project milestones and durations.

### **Selection Criteria**

The Town will accept the proposal that, all things considered, the Town has determined is in its best interest. Although price will be an important factor, it will not be the only basis for award. Proposals will be evaluated by the Town based on:

- The competence to perform the services as reflected by past experience in providing the services outlined herein.
- The ability to meet the requirements of this RFP.
- Overall package and financial benefit to the Town.

The Town reserves the right to select or short-list any firm that, in its opinion and at its sole discretion, is deemed to be most advantageous and in the best interests of the Town and its residents, including granting a preference to local contractors. The Town also reserves the right to delay or discontinue this selection process at any time during the process. The Town shall not be liable for any cost incurred by any firm during the selection process. The Town also reserves the right to reject the selected firm and contract with another party if the Town and the selected firm cannot successfully negotiate a contract for the proposed work (or the terms of any related solar host agreement, site lease, or PPA).

### **RFP Attachments**

Aerial photographs of sites

Site usage profiles & utility bills

**Model PPA contract??**

**PROJECT PROPOSAL FORM  
FOR SOLAR PHOTOVOLTAIC PROJECT  
AT THE DROWNE ROAD LANDFILL**

**\*\* THIS SHEET MUST BE INCLUDED IN YOUR PROPOSAL \*\***

The undersigned hereby declares that they have read and understand all conditions as outlined in this Request for Proposals, and that the proposal is made in accordance with the same.

COMPANY NAME: \_\_\_\_\_

AUTHORIZED SIGNATURE: \_\_\_\_\_

DATE: \_\_\_\_\_

PRINT NAME & TITLE: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

E-MAIL ADDRESS: \_\_\_\_\_

PHONE NUMBER: \_\_\_\_\_ FAX NUMBER: \_\_\_\_\_

TYPE OF ORGANIZATION (PARTNERSHIP, CORPORATION, INDIVIDUAL, OTHER): \_\_\_\_\_

\_\_\_\_\_

STATE OF INCORPORATION, IF APPLICABLE: \_\_\_\_\_

FEDERAL TAX IDENTIFICATION NUMBER (Required): \_\_\_\_\_

AUTHORIZED SIGNATURE: \_\_\_\_\_

DATE: \_\_\_\_\_

**NOTE: Proposals must bear the handwritten signature of a duly authorized member or employee of the organization submitting a proposal.**

**PRICING PROPOSAL FORM  
FOR A SOLAR POWER PURCHASE AGREEMENT  
Town of Cumberland**

**PAGE 1**

Solar Provider Name:	
Facility Name:	

**System Equipment**

Photovoltaic Module:	
Manufacturer or equivalent:	
Model or equivalent:	
Quantity (panels):	
Inverter:	
Manufacturer or equivalent:	
Model or equivalent:	
Quantity (inverters):	

<b>System Cost</b>	<b>Cost</b>	<b>\$/kilowatt</b>
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Generating equipment:		
Balance of system:		
Engineering and permitting:		
Construction and installation:		
Operations and maintenance:		
Removal cost:		
Total:		



**PRICING PROPOSAL FORM  
FOR A SOLAR POWER PURCHASE AGREEMENT  
Town of Cumberland**

**PAGE 2**

Solar Provider Name:	
Facility Name:	

	<b>KW (STC)</b>	<b>kW (PTC)</b>
Capacity:		

	<b>KWh at the meter</b>
Annual AC production	

**Price Schedule**

Year	Price per kWh
1	
2	
3	
4	
5	
6	
7	

**PRICING PROPOSAL FORM  
CLOSED LANDFILL SITE FOR SOLAR DEVELOPMENT  
Town of Cumberland**

Solar Provider Name:	
Facility Name:	

**System Equipment**

Photovoltaic Module:	
Manufacturer or equivalent:	
Model or equivalent:	
Quantity (panels):	
Inverter:	
Manufacturer or equivalent:	
Model or equivalent:	
Quantity (inverters):	

<b>System Cost</b>	<b>Cost</b>	<b>\$/kilowatt</b>
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Generating equipment:		
Balance of system:		
Engineering and permitting:		
Construction and installation:		
Operations and maintenance:		
Removal cost:		
Total:		

**Solar Energy Purchaser(s):** A description of the type of project proposed and solar energy purchaser(s).

## Totals

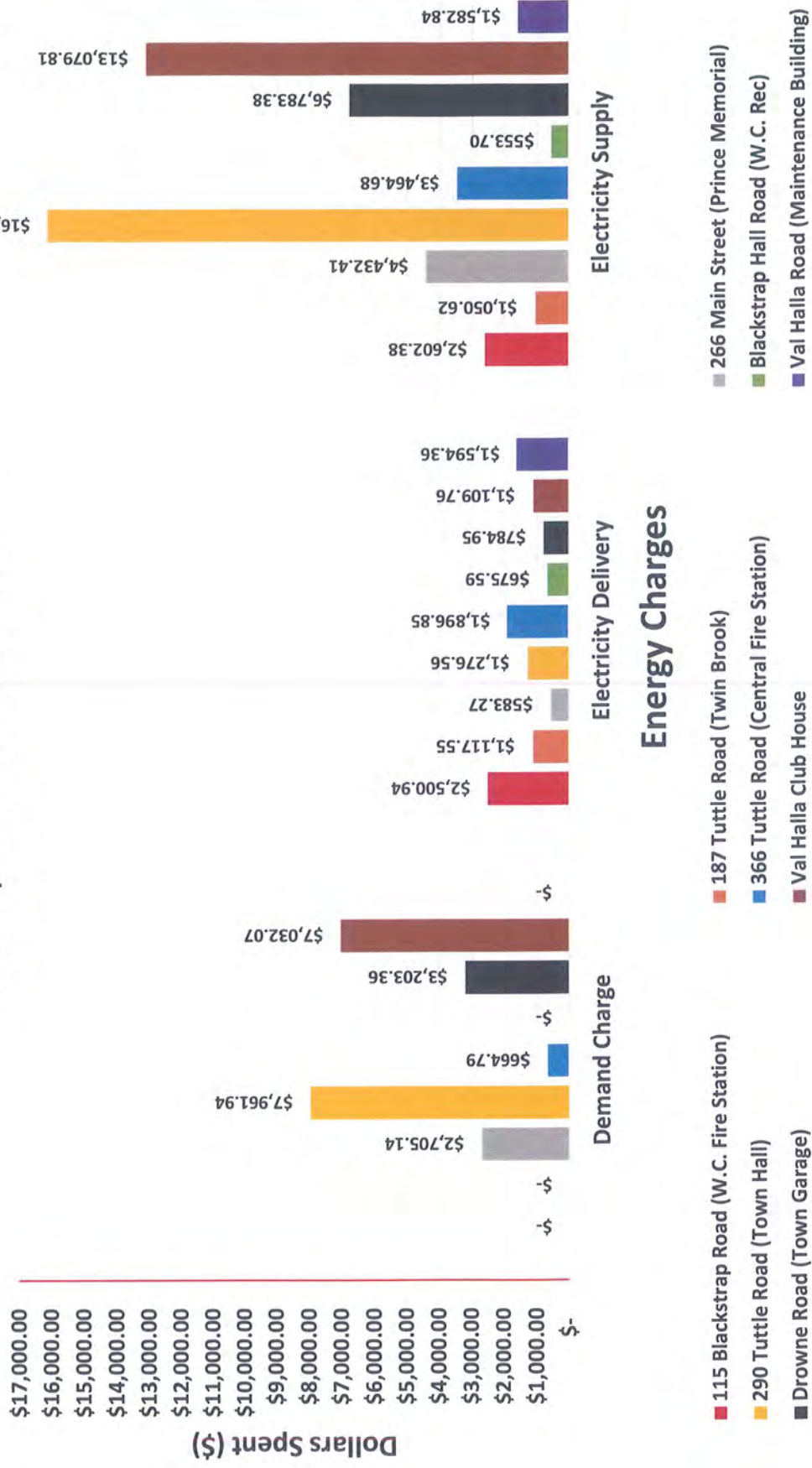
	Demand Charge	Electricity Delivery	Electricity Supply	Totals
115 Blackstrap Road (W.C. Fire Station)	N/A	\$ 2,500.94	\$ 2,602.38	\$ 5,103.32
187 Tuttle Road (Twin Brook)	N/A	\$ 1,117.55	\$ 1,050.62	\$ 2,168.17
266 Main Street (Prince Memorial)	\$ 2,705.14	\$ 583.27	\$ 4,432.41	\$ 7,720.82
290 Tuttle Road (Town Hall)	\$ 7,961.94	\$ 1,276.56	\$ 16,066.73	\$ 25,305.23
366 Tuttle Road (Central Fire Station)	\$ 664.79	\$ 1,896.85	\$ 3,464.68	\$ 6,026.32
Blackstrap Hall Road (W.C. Rec)	N/A	\$ 675.59	\$ 553.70	\$ 1,229.29
Drowne Road (Town Garage)	\$ 3,203.36	\$ 784.95	\$ 6,783.38	\$ 10,771.68
Val Halla Club House	\$ 7,032.07	\$ 1,109.76	\$ 13,079.81	\$ 21,221.64
Val Halla Road (Maintenance Building)	N/A	\$ 1,594.36	\$ 1,582.84	\$ 3,177.20
<b>Grand Total</b>	\$ 21,567.30	\$ 11,539.82	\$ 49,616.55	\$ 82,723.67

## Monthly Breakdown

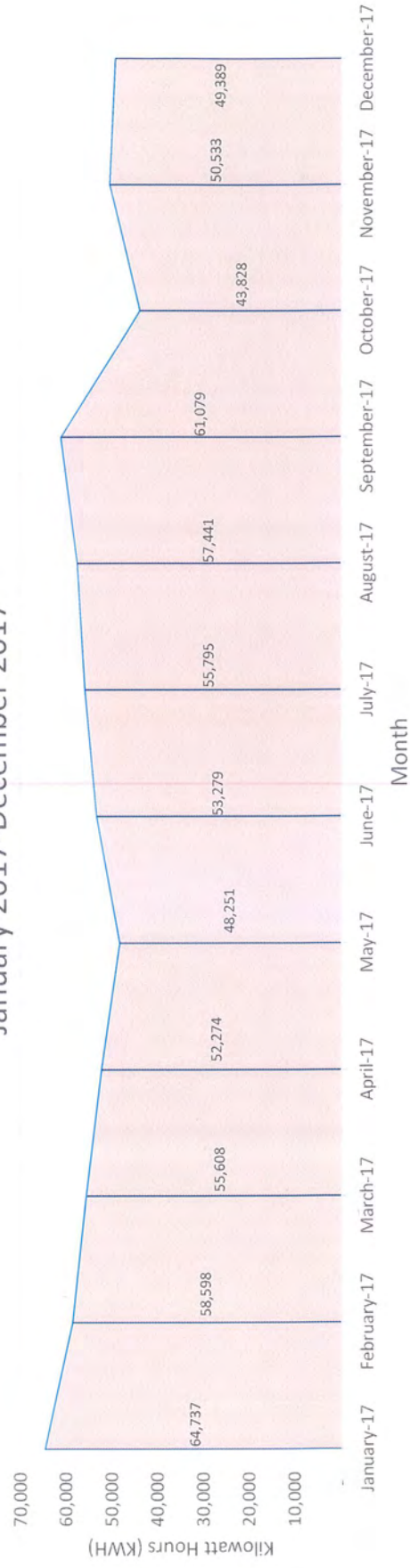
	Demand Charge	Electricity Delivery	Electricity Supply	Total KWH
January-17	\$ 1,842.96	\$ 1,105.87	\$ 4,997.91	64,737
February-17	\$ 1,659.50	\$ 1,091.87	\$ 4,538.31	58,598
March-17	\$ 1,560.21	\$ 1,063.78	\$ 4,236.31	55,608
April-17	\$ 1,515.86	\$ 1,030.21	\$ 3,928.01	52,274
May-17	\$ 1,448.70	\$ 1,039.56	\$ 3,663.50	48,251
June-17	\$ 1,847.50	\$ 1,093.24	\$ 4,052.79	53,279
July-17	\$ 2,056.78	\$ 971.21	\$ 4,252.00	55,795
August-17	\$ 2,278.96	\$ 898.73	\$ 4,366.91	57,441
September-17	\$ 2,134.82	\$ 956.66	\$ 4,640.67	61,079
October-17	\$ 2,001.57	\$ 595.20	\$ 3,358.78	43,828
November-17	\$ 1,870.49	\$ 764.95	\$ 3,851.29	50,533
December-17	\$ 1,349.95	\$ 928.55	\$ 3,730.08	49,389
<b>Grand Total</b>	\$ 21,567.30	\$ 11,539.82	\$ 49,616.55	650,812

Month	Total KWH
January-17	64,737
February-17	58,598
March-17	55,608
April-17	52,274
May-17	48,251
June-17	53,279
July-17	55,795
August-17	57,441
September-17	61,079
October-17	43,828
November-17	50,533
December-17	49,389

# Town of Cumberland Breakdown of CMP Bills January 2017-December 2017



# Energy Consumption per Month January 2017-December 2017





## 115 Blackstrap Road (W.C. Fire Station)

	Demand Charge	Electricity Delivery	Electricity Supply	Kilowatt Hours Used	Price for Electricity	Price for Delivery	Service Charge
January	N/A	\$ 160.69	\$ 161.24	2,446	0.066910	0.059564	15.00
February	N/A	\$ 238.66	\$ 251.25	3,755	0.066910	0.059564	15.00
March	N/A	\$ 223.00	\$ 233.65	3,492	0.066910	0.059564	15.00
April	N/A	\$ 223.83	\$ 234.59	3,506	0.066910	0.059564	15.00
May	N/A	\$ 221.39	\$ 231.84	3,465	0.066910	0.059564	15.00
June	N/A	\$ 174.81	\$ 179.52	2,683	0.066910	0.059564	15.00
July	N/A	\$ 180.50	\$ 185.68	2,775	0.066910	0.059564	15.21
August	N/A	\$ 170.37	\$ 174.10	2,602	0.066910	0.059564	15.38
September	N/A	\$ 219.98	\$ 229.84	3,435	0.066910	0.059564	15.38
October	N/A	\$ 218.67	\$ 228.36	3,413	0.066910	0.059564	15.38
November	N/A	\$ 236.18	\$ 248.04	3,707	0.066910	0.059564	15.38
December	N/A	\$ 232.85	\$ 244.29	3,651	0.066910	0.059564	15.38
<b>Total</b>	N/A	\$ 2,500.94	\$ 2,602.38	38,930			

## 187 Tuttle Road (Twin Brook)

	Demand Charge	Electricity Delivery	Electricity Supply	Kilowatt Hours Used	Price for Electricity	Price for Delivery	Service Charge
January	N/A	\$ 184.52	\$ 190.43	2,846	0.06691	0.059564	15.00
February	N/A	\$ 165.52	\$ 169.08	2,527	0.06691	0.059564	15.00
March	N/A	\$ 161.59	\$ 164.67	2,461	0.06691	0.059564	15.00
April	N/A	\$ 127.16	\$ 125.99	1,883	0.06691	0.059564	15.00
May	N/A	\$ 90.59	\$ 84.91	1,269	0.06691	0.059564	15.00
June	N/A	\$ 35.01	\$ 22.48	336	0.06691	0.059564	15.00
July	N/A	\$ 25.85	\$ 11.98	179	0.06691	0.059608	15.18
August	N/A	\$ 26.77	\$ 12.78	191	0.06691	0.059608	15.38
September	N/A	\$ 35.47	\$ 22.55	337	0.06691	0.059608	15.38
October	N/A	\$ 29.81	\$ 16.19	242	0.06691	0.059608	15.38
November	N/A	\$ 90.49	\$ 84.31	1,260	0.06691	0.059608	15.38
December	N/A	\$ 144.79	\$ 145.26	2,171	0.06691	0.059608	15.38
<b>Total</b>	N/A	\$ 1,117.55	\$ 1,050.62	15,702			



## 266 Main Street (Prince Memorial Library)

	Demand Charge	Electricity Delivery	Electricity Supply	Kilowatt Hours Used	Price for Electricity	Price for Delivery	Service Charge
January	\$ 205.50	\$ 62.43	\$ 382.30	4,895	0.0781	0.006912	28.60
February	\$ 204.39	\$ 59.20	\$ 345.75	4,427	0.0781	0.006912	28.60
March	\$ 186.40	\$ 59.91	\$ 353.79	4,530	0.0781	0.006912	28.60
April	\$ 197.00	\$ 59.46	\$ 348.72	4,465	0.0781	0.006912	28.60
May	\$ 195.64	\$ 61.43	\$ 370.90	4,749	0.0781	0.006912	28.60
June	\$ 233.83	\$ 64.49	\$ 405.50	5,192	0.0781	0.006912	28.60
July	\$ 268.93	\$ 48.60	\$ 364.96	4,673	0.0781		28.87
August	\$ 261.79	\$ 33.53	\$ 370.35	4,742	0.0781	0.000913	29.20
September	\$ 241.27	\$ 34.05	\$ 414.55	5,308	0.0781	0.000913	29.20
October	\$ 255.52	\$ 33.26	\$ 347.15	4,445	0.0781	0.000913	29.20
November	\$ 255.12	\$ 33.83	\$ 395.97	5,070	0.0781	0.000913	29.20
December	\$ 199.75	\$ 33.09	\$ 332.47	4,257	0.0781	0.000913	29.20
<b>Total</b>	\$ 2,705.14	\$ 583.27	\$ 4,432.41	56,753			

## 290 Tuttle Road (Town Hall)

	Demand Charge	Electricity Delivery	Electricity Supply	Kilowatt Hours Used	Price for Electricity	Price for Delivery	Service Charge
January	538.14	\$ 151.41	\$ 1,290.21	16,520	0.0781	0.006912	37.22
February	507.09	\$ 143.66	\$ 1,202.74	15,400	0.0781	0.006912	37.22
March	467.67	\$ 139.24	\$ 1,152.76	14,760	0.0781	0.006912	37.22
April	582.98	\$ 139.79	\$ 1,159.00	14,840	0.0781	0.006912	37.22
May	572.14	\$ 155.28	\$ 1,333.95	17,080	0.0781	0.006912	37.22
June	802.77	\$ 156.94	\$ 1,352.69	17,320	0.0781	0.006912	37.22
July	804.36	\$ 118.09	\$ 1,565.12	20,040	0.0781		37.62
August	869.40	\$ 56.23	\$ 1,555.75	19,920	0.0781	0.000913	38.04
September	853.82	\$ 57.72	\$ 1,683.84	21,560	0.0781	0.000913	38.04
October	740.92	\$ 53.05	\$ 1,283.96	16,440	0.0781	0.000913	38.04
November	743.36	\$ 53.45	\$ 1,318.33	16,880	0.0781	0.000913	38.04
December	479.29	\$ 51.70	\$ 1,168.38	14,960	0.0781	0.000913	38.04
<b>Total</b>	\$ 7,961.94	\$ 1,276.56	\$ 16,066.73	205,720			

## 366 Tuttle Road (Central Fire Station)

	Demand Charge	Electricity Delivery	Electricity Supply	Kilowatt Hours Used	Price for Electricity (1)	Price for Electricity (2)	Price for Delivery	Service Charge	Kilowatts Broken Up (1)	Kilowatts Broken up (2)
January	240.61	\$ 70.73	\$ 515.90	6,095	0.081534	0.08775	0.006912	28.60	3,047	3,048
February	206.98	\$ 68.18	\$ 507.10	5,726	0.08775	0.08943	0.006912	28.60	2,962	2,764
March	217.20	\$ 64.15	\$ 391.50	5,143	0.08943	0.0637	0.006912	28.60	2,483	2,660
April (2016)	0	\$ 65.83	\$ 360.44	5,387	0.066910		0.006912	28.60		
May	0	\$ 74.03	\$ 66.31	991	0.066910		0.059564	15.00		
June (2016)	0	\$ 250.12	\$ 263.49	3,938	0.066910		0.059608	15.38		
July (2016)	0	\$ 279.38	\$ 296.34	4,429	0.066910		0.059608	15.38		
August (2016)	0	\$ 355.09	\$ 381.32	5,699	0.066910		0.059608	15.38		
September	0	\$ 366.17	\$ 393.77	5,885	0.066910		0.059608	15.38		
October	0	\$ 36.18	\$ 23.35	349	0.066910		0.059608	15.38		
November	0	\$ 66.64	\$ 57.54	860	0.066910		0.059608	15.38		
December	0	\$ 200.34	\$ 207.62	3,103	0.066910		0.059608	15.38		
<b>Total</b>	664.79	\$ 1,896.85	\$ 3,464.68	47,605						



## Blackstrap Hall Road (W.C. Rec)

	Demand Charge	Electricity Delivery	Electricity Supply	Kilowatt Hours Used	Price for Electricity	Price for Delivery	Service Charge
January	N/A	\$ 42.34	\$ 30.26	459	0.07810	0.059564	15.00
February	N/A	\$ 51.16	\$ 40.61	607	0.066910	0.059564	15.00
March	N/A	\$ 59.08	\$ 49.51	740	0.066910	0.059564	15.00
April	N/A	\$ 60.21	\$ 50.78	759	0.066910	0.059564	15.00
May	N/A	\$ 67.95	\$ 59.48	889	0.066910	0.059564	15.00
June	N/A	\$ 58.01	\$ 48.31	722	0.066910	0.059564	15.00
July	N/A	\$ 57.64	\$ 47.64	712	0.066910		15.21
August	N/A	\$ 58.72	\$ 48.64	727	0.066910	0.059608	15.38
September	N/A	\$ 48.94	\$ 37.67	563	0.066910	0.059608	15.38
October	N/A	\$ 50.55	\$ 39.48	590	0.066910	0.059608	15.38
November	N/A	\$ 62.41	\$ 52.79	789	0.066910	0.059608	15.38
December	N/A	\$ 58.60	\$ 48.51	725	0.066910	0.059608	15.38
<b>Total</b>	N/A	\$ 675.59	\$ 553.70	8,282			

## Drowne Road (Town Garage)

	Demand Charge	Electricity Delivery	Electricity Supply	Kilowatt Hours Used	Price for Electricity	Price for Delivery	Service Charge
January	\$ 431.45	\$ 141.07	\$ 1,270.77	16,271	0.07810	0.006912	28.60
February	\$ 349.76	\$ 121.63	\$ 1,051.15	13,459	0.07810	0.006912	28.60
March	\$ 324.51	\$ 108.97	\$ 908.15	11,628	0.07810	0.006912	28.60
April	\$ 339.05	\$ 88.20	\$ 673.46	8,623	0.07810	0.006912	28.60
May	\$ 171.49	\$ 60.65	\$ 362.15	4,637	0.07810	0.006912	28.60
June	\$ 177.53	\$ 52.61	\$ 271.24	3,473	0.07810	0.006912	28.60
July	\$ 221.40	\$ 42.70	\$ 268.59	3,439	0.07810		28.89
August	\$ 225.78	\$ 32.55	\$ 286.39	3,667	0.07810	0.000913	29.20
September	\$ 197.85	\$ 32.52	\$ 283.89	3,635	0.07810	0.000913	29.20
October	\$ 195.68	\$ 32.14	\$ 251.56	3,221	0.07810	0.000913	29.20
November	\$ 251.86	\$ 34.35	\$ 440.87	5,645	0.07810	0.000913	29.20
December	\$ 317.00	\$ 37.56	\$ 715.16	9,157	0.07810	0.000913	29.20
<b>Total</b>	\$ 3,203.36	\$ 784.95	\$ 6,783.38	86,855			



# Val Halla Road Club House

	Demand Charge	Electricity Delivery	Electricity Supply	Kilowatt Hours Used	Price for Electricity	Price for Delivery	Service Charge
January	427.26	\$ 124.55	\$ 987.98	12,634	0.07820	0.006912	37.22
February	391.28	\$ 111.34	\$ 838.62	10,724	0.07820	0.006912	37.22
March	364.43	\$ 112.05	\$ 846.59	10,826	0.07820	0.006912	37.22
April	396.83	\$ 109.37	\$ 816.25	10,438	0.07820	0.006912	37.22
May	509.43	\$ 122.24	\$ 961.86	12,300	0.07820	0.006912	37.22
June	633.37	\$ 157.90	\$ 1,365.37	17,460	0.07820	0.006912	37.22
July	762.09	\$ 113.79	\$ 1,411.20	18,046	0.07820		37.59
August	921.99	\$ 54.74	\$ 1,430.51	18,293	0.07820	0.000913	38.04
September	841.88	\$ 55.23	\$ 1,472.19	18,826	0.07820	0.000913	38.04
October	809.45	\$ 50.70	\$ 1,084.01	13,862	0.07820	0.000913	38.04
November	620.15	\$ 51.09	\$ 1,117.48	14,290	0.07820	0.000913	38.04
December	353.91	\$ 46.77	\$ 747.75	9,562	0.07820	0.000913	38.04
Total	7032.07	\$ 1,109.76	\$ 13,079.81	167,261			

# Val Halla Road (Maintenance Building)

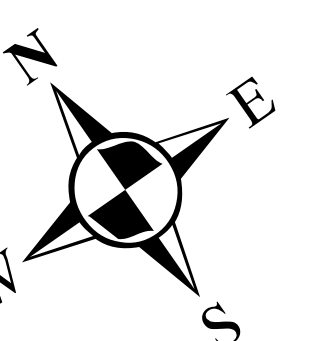
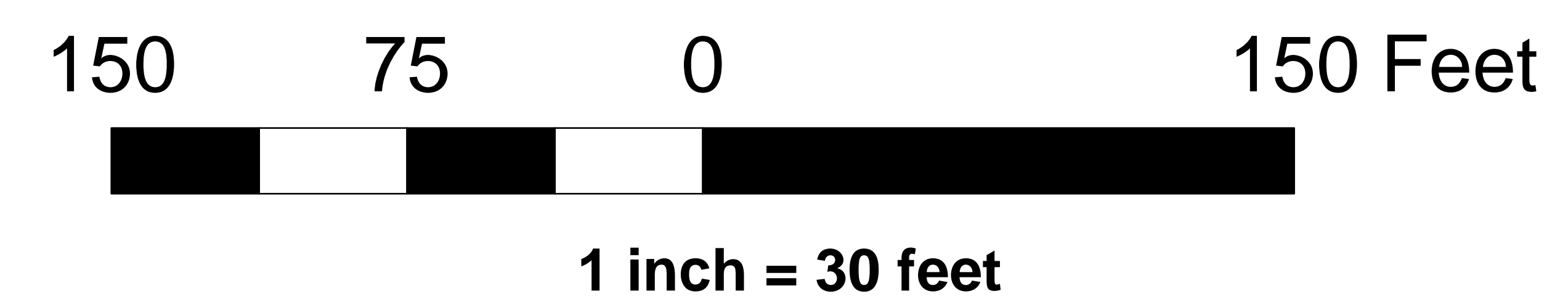
	Demand Charge	Electricity Delivery	Electricity Supply	Kilowatt Hours Used	Price for Electricity	Price for Delivery	Service Charge
January	N/A	\$ 168.14	\$ 168.83	2,571	0.066910	0.059564	15.00
February	N/A	\$ 132.52	\$ 132.01	1,973	0.066910	0.059564	15.00
March	N/A	\$ 135.80	\$ 135.69	2,028	0.066910	0.059564	15.00
April	N/A	\$ 156.35	\$ 158.78	2,373	0.066910	0.059564	15.00
May	N/A	\$ 186.01	\$ 192.10	2,871	0.066910	0.059564	15.00
June	N/A	\$ 143.36	\$ 144.19	2,155	0.066910	0.059564	15.00
July	N/A	\$ 104.66	\$ 100.50	1,502	0.066910		15.17
August	N/A	\$ 110.75	\$ 107.06	1,600	0.066910	0.059608	15.38
September	N/A	\$ 106.58	\$ 102.37	1,530	0.066910	0.059608	15.38
October	N/A	\$ 90.84	\$ 84.71	1,266	0.066910	0.059608	15.38
November	N/A	\$ 136.50	\$ 135.96	2,032	0.066910	0.059608	15.38
December	N/A	\$ 122.85	\$ 120.64	1,803	0.066910	0.059608	15.38
Total	N/A	\$ 1,594.36	\$ 1,582.84	23,704			



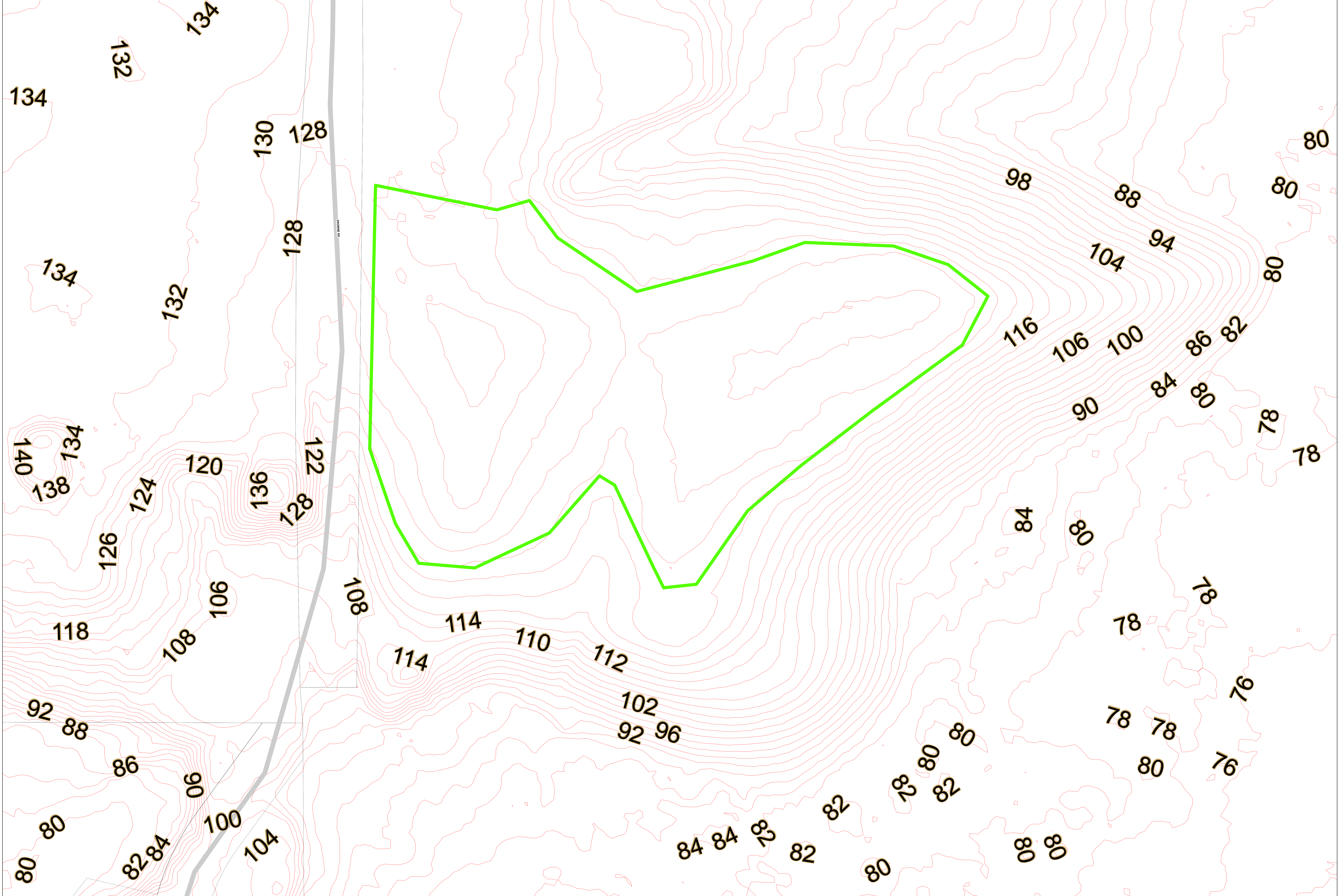


# Solar Farm- Drowne Road Cumberland, Maine

## Green Line Elev 122'







**Solar Farm- Drowne Road  
Cumberland, Maine**

**Green Line Elev 122'**

