

December 4, 2019

Motion: I move that the Vote entitled, “Vote to Authorize Long-Term Solar Power Purchase,” be adopted in form presented to this meeting.

**FIVE TOWN CSD
VOTE TO AUTHORIZE LONG-TERM SOLAR POWER PURCHASE**

WHEREAS, the Maine Legislature enacted the Maine Solar Energy Act (P.L. 478, 129th Legis. 2019), which allows a nonresidential utility customer with a financial interest in a solar electric energy generation facility to participate in net energy billing and thereby receive, for electricity delivered on the customer’s behalf to the electric grid from the solar electric energy generation facility, a utility bill credit based on a tariff rate that exceeds the standard offer service rate of the customer’s rate class, which credit may be carried forward for up to one year from the end of the affected billing period (“Net Energy Billing”); and

WHEREAS, the School Board of the Five Town CSD (the “District”) desires to enter into a long-term agreement to purchase a percentage of electric energy generated from a solar photovoltaic electric generation facility (the “Solar System”) in order to (1) achieve anticipated electric energy cost savings arising from its participation in Net Energy Billing, as more fully set forth in Exhibit A, attached hereto, (2) provide long-term predictability with respect to its electric energy costs, and (3) obtain environmental and educational benefits arising from the acquisition of a financial interest in a renewable energy generation facility.

NOW, THEREFORE, the School Board of the District hereby VOTES, as follows:

1. That, under and pursuant to the provisions of Title 20-A M.R.S. sections 1001 and 1055, the Superintendent of Schools (the “Superintendent”) of the District is authorized to execute and deliver a solar power purchase agreement with Camden Solar LLC or its nominee (the “Seller”), in the name and on behalf of the District to purchase up to 20 percent of the electric energy generated by the Solar System and the Renewable Energy Credits (“RECs”) associated with each kilowatt hour of energy purchased by the District, at a total purchase price not to exceed \$0.094 per kilowatt hour (escalating at 1.5% in Contract Year 3) for an initial term of 20 years plus an additional term of 5 years that may be exercised exclusively by Seller, in such form and on such terms not inconsistent herewith as the Superintendent may approve (the “PPA”);
2. That the Superintendent is authorized to execute and deliver on behalf of the District such other contracts, documents, and certificates as may, in the Superintendent’s judgment, be necessary or convenient to effect the transactions authorized by this Vote and qualify the District to participate in Net Energy Billing, including without limitation any documents required to establish Net Energy Billing pursuant to Title 35A M.R.S. section 3209-B and Chapter 313 of the Maine Public Utilities

Commission's rules and any amendments to the District's existing electricity supply agreements;

3. That if the Superintendent or any other officer or official of the District is for any reason unavailable to, as applicable, approve, execute, or attest the PPA, Net Energy Billing documents, amendments to the electricity supply agreements, or any related documents, the person acting in any such capacity, whether as interim, successor, assistant, deputy, or otherwise, is authorized to act for such officer or official with the same force and effect as if such officer or official had performed such act; and
4. That an attested copy of this Vote is to be filed with the minutes of this meeting.

Dated: December 4, 2019

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_____	_____
_____	_____
_____	_____

A majority of the School Board of Five Town CSD

A true copy, attest:

Maria Libby, Secretary
Five Town CSD

FIVE TOWN CSD
VOTE TO AUTHORIZE LONG-TERM SOLAR POWER PURCHASE

EXHIBIT A

ANTICIPATED ELECTRIC ENERGY NEEDS
AND PROJECTED COST SAVINGS ARISING FROM NET ENERGY BILLING

Anticipated electric energy needs for Maine School Administrative District No. 28 (“MSAD 28”) and the Five Town CSD were calculated by reviewing utility bills over the past 3 years to determine historical electricity usage within each building. The three-year averages were then adjusted, as follows: (1) upward adjustment to the new middle school due to installation of water source heat pumps; (2) downward adjustment to the bus barn due to planned reductions in the number of diesel buses that will need to be plugged in and planned relocation of the MSAD 28 central office out of the bus barn; and (3) upward adjustment to the Mary E. Taylor (MET) building due to planned relocation of the MSAD 28 central office into the MET building and installation of air source heat pumps.

Recognizing the speculative nature of purchasing electricity and Net Energy Billing credits on a long-term basis and in light of the variables that can affect electricity costs and electricity savings—including the risk of standard electric rate fluctuations, Net Energy Billing tariff rate fluctuations, increases or decreases to the output of the solar system, and unanticipated electricity usage reductions by the school unit—the total projected annual need was reduced to 90% to minimize the risk of over-purchasing solar credits in any given year. The Estimated Purchaser’s Percentage was calculated based on a system size of 3,300,000 kilowatt hour (kWh) output.

YEAR	USAGE (kWh)	3-YEAR AVERAGE (kWh)	PROJECTED ANNUAL NEED (kWh)		
			TOTAL	MSAD 28	FIVE TOWN CSD
Camden Rockport Middle School					
2015	385,196				
2016	399,056				
2017	408,527				
		397,593	625,000	625,000	0
Camden Rockport Elementary School					
2016	652,571				
2017	616,360				
2018	652,600				
		640,510	640,510	640,510	0
Camden Hills Regional High School					
2016	800,402				
2017	658,292				
2018	681,745				
		713,480	681,745	0	681,745*
Bus Barn					
2016	52,598				

2017	52,411			
2018	50,492			
		51,834	20,000	20,000
				0
Mary E. Taylor (MET) Building				
			225,000	225,000
				0
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TOTALS:	1,803,417	2,223,990	1,510,510	681,745
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90% of Projected Annual Need:	2,001,591	1,359,459	1,359,459	613,571
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Estimated Purchaser's Percentage:			41.20%	18.59%
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* 2018 historical usage, rather than the 3-year average, was used as the projected annual need to adjust for anticipated additional conservation measures to the high school facility.

Projected Year 1 electricity cost savings, based on projected annual electricity need and solar Net Energy Billing credits on the basis of the anticipated volume of solar kilowatt hours purchased, are as follows:

	Projected Annual Need (kWh)	Projected Solar Power Purchase Cost (Based on 90% of Projected Annual Need)	Projected Net Energy Billing Credits	Projected Year 1 Electricity Cost Savings
MSAD 28	1,510,510	\$129,627	\$175,957	\$46,330
FIVE TOWN CSD	681,745	\$61,727	\$83,789	\$22,062