

Re: Levelized Cost of Capacity (LCOC) scenario for a 8.75 MW project

Reference #1: Exhibit B-10, YEC response to JM-YEC-1-7, amended, blacklined version, April 2022, PDF page 34, hard copy page 2 of 3:

2	<u>PROJECT LCOC (\$/MW)</u>		<u>\$1,243,283</u>	<u>\$510,542</u>
			No Grant	With Grant
3	With Annual Energy			
	Project LCOE (\$/kWh)		\$0.287	\$0.141
	Project LCOC (\$/MW)		\$1,339,482	\$645,163
	With LTA Thermal Displaced Energy			
3	Project LCOE (\$/kWh)		\$0.490	\$0.238
	Project LCOC (\$/MW)		\$1,339,482	\$645,163

YUB Scenario Regarding the LCOC

Similar to the table at line 2, the LCOC of an YEC owned and constructed 8.75 MW project, using “With Annual Energy” row, and with grant funding, would be:

$$\$645,163 * 8.75 = \$5,645,176 \text{ (in 2024\$)}$$

Reference #2: Exhibit B-10, Amended Round 1 IRs JM-YEC-1-10, PDF page 41, HC page 2 of 14 – in the first Table under the column 2024, it shows a dependable capacity charge the third row from the bottom of the table of \$200 (highlighted):

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Energy Delivered, GWh	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
<i>Firm Winter Energy</i>	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
<i>Non-Firm Winter Energy</i>	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
Energy Price, \$/kWh											
<i>Firm Winter Energy</i>	0.132	0.133	0.135	0.136	0.137	0.139	0.140	0.142	0.143	0.144	0.146
<i>Non-Firm Winter Energy</i>	0.072	0.073	0.073	0.074	0.075	0.076	0.076	0.077	0.078	0.079	0.080
Energy Payment, \$million	3.725	3.762	3.800	3.838	3.876	3.915	3.954	3.993	4.033	4.074	4.114
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Added Winter Load, GWh											
<i>Added Load Rate [YUB price \$0.19/kWh]</i>											
<i>Added Load Rate Payment, \$m</i>											
Dependable Capacity, MW	8	8	8	8	8	8	8	8	8	8	8
Dependable Capacity Payment \$/kW	200	204.0	208.1	212.2	216.5	220.8	225.2	229.7	234.3	239.0	243.8
Dependable Capacity Payment, \$m	1.600	1.632	1.665	1.698	1.732	1.767	1.802	1.838	1.875	1.912	1.950
Total Payment, \$million	5.325	5.394	5.464	5.536	5.608	5.681	5.756	5.831	5.908	5.986	6.065

Calculation of Dependable Capacity Charge - LCOC of a YEC owned and constructed 8.75 MW project

$\$200/\text{kW} * 8.75 \text{ MW} * \$1000 \text{ (conversion kw to MW)} = \$1,750,000 \text{ (2024\$)}$