

## Brooklyn Public Schools Solar Panel Update 3/18/2022



Project	Elementary	Middle	Total
<b>Projected Cost:</b>	\$903,405.00	\$898,850.00	<b>\$1,802,255.00</b>
<b>Actual Cost:</b>	\$677,686.36	\$695,946.57	<b>\$1,373,632.93</b>
<b>DAS Reimbursement</b>	\$374,901.02	\$464,139.02	<b>\$839,040.04</b>
<b>Final Cost to Install PV</b>	<b>\$302,785.34</b>	<b>\$231,807.55</b>	<b>\$534,592.89</b>

### Projected Return on Investment: ZREC

	Elementary	Middle	Total
<b>Annual ZREC Payment to Town</b> (anticipated based on 9 months)	\$34,000	\$33,000	<b>\$67,000</b>
<b>Projected ZREC 2022-2034</b> (12 years)	<b>\$408,000</b>	<b>\$396,000</b>	<b>\$804,000</b>

If you only calculated ZRECs to pay for the project, the **project would be paid off in 8 years**. Four years of ZREC payments \$268,000 would be collected once the project is paid.

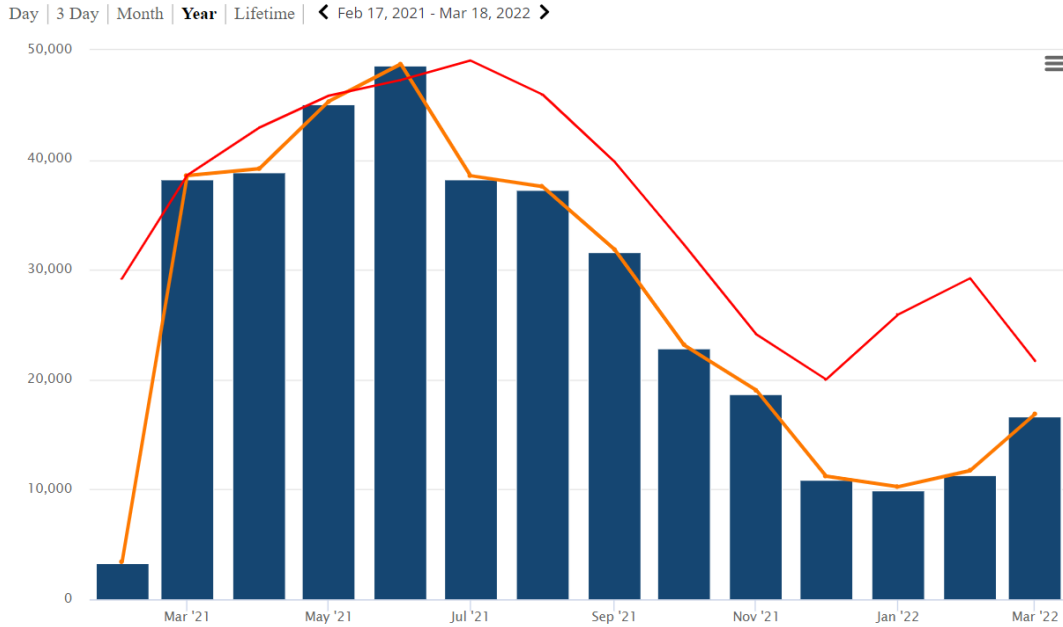
### Projected Return on Investment: Solar Power Generation

MWh= megawatt hour 1MWh = 1,000 KWH	Elementary Operational 2/17/2021 (13 mts)	Middle Operational 2/25/2021 (12.5 mts)	Total
<b>Energy This Month</b>	16.68 MWh	17.53 MWh	<b>34.21 MWh</b>
<b>Energy This Year</b> (January-March)	37.94 MWh	41.36 MWh	<b>79.30 MWh</b>
<b>Energy Lifetime</b>	387.59 MWh	343.99 MWh	<b>731.58 MWh</b>
<b>Three Months Savings: Generation Sales</b>	10,080 KWh or \$2,152.87	9,674 KWh or \$1,516.77	<b>19,754 KWh or \$3,669.63</b>

The savings is from December 2021-January 2022 when our power generation is lower. If we annualized the savings based on this the annual savings would be \$14,678.52

**Our generation of power can be tracked in each of our schools on a monitor as you enter the school. The charts below are screenshots of the website where this information can be found. In addition to monetary savings, we are generating cleaner energy and modeling for our students how they can impact their future! I am very proud of our project!**

**Brooklyn Elementary School: Went live on 2/17/2021  
Energy Lifetime 387.59 MWh**



The red (top line) is the site performance indicator.  
The orange line (line that touches each bar graph) is the inverter reading.

**Brooklyn Middle School: Went live on 2/25/2021  
Energy Lifetime 343.99 MWh**

