

**Blue Sky Utility 2017 III LLC (NSG Orland)**

**Quarterly Report- Q2 2019**

**04/01/2019 – 07/1/2019**

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# | Executive Summary

In Q2 2019, the portfolio performed -11 % below the predicted production for the quarter.

Q2 underperformed due to poor weather during April and May. Irradiance was under expectation by 12-15% during April and May. June underperformed by -4% while the irradiance was under by -5%.

There are no maintenance issues to report. Annual Maintenance and Solar panel cleaning are scheduled for July 2, 2019.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **PVSyst** | **Production Meter** | **Production Variance** | **Invoiced** | **Accrued Credits** | **Value Created** | **Projected Revenue** | **Revenue Variance** |
| **Month** | kWh | kWh | kWh | $ | $ | $ | $ | $ |
| **19 - Apr** | 93,492 | 87,000 | -6,492 | $11,674.89 |  | $11,674.89 | $10,882.96 | $791.93 |
| **19 - May** | 112,553 | 87,158 | -25,394 | $24,125.68 |  | $24,125.68 | $24,826.76 | -$701.08 |
| **19 - Jun** | 116,915 | 112,372 | -4,450 | $26,409.84 |  | $26,409.84 | $27,717.54 | -$1,307.70 |
| **Total** | **322,960** | **286,530** | **-36,426** | **$62,210.41** |  | **$62,210.41** | **$63,427.26** | **-$1,216.85** |

Summary by Quarter

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **PVSyst** | **Production Meter** | **Production Variance** | **Invoiced\*** | **Accrued Credits\*** | **Value Created\*** | **Projected Revenue** | **Revenue Variance** |
|
| **Quarter** | kWh | kWh | kWh | $ | $ | $ | $ | $ |
| **19 – Q1** | 139,313 | 138,277 | -1,036 | $19,740 |  | $19,740 | $14,623.99 | $5,116.01 |
| **19– Q2** | 322,960 | 286,530 | -36,426 | $62,210.41 |  | $62,210.41 | $63,427.26 | -$1,216.85 |
| **19 – Q3** |  |  |  |  |  |  |  |  |
| **189– Q4** |  |  |  |  |  |  |  |  |
| **YTD Total** | **462,273** | **424,807** | **37,462** | **$81,950** |  | **$81,950** | **$78,051.25** | **$3,899.16** |

# | Portfolio Performance

The predicted energy output for the Blue Sky Utility 2017 III, LLC project during Q2 2019 was **322,960 kWh**. The actual energy output for the Blue Sky Utility 2017 III, LLC project during Q2 2019 was **286,530 kWh**.

The performance of the portfolio is evaluated by comparing the produced energy to two quantities: (1) the energy forecasted/modeled during pre-acquisition of each array (PVSyst model), to which the quantities are labeled as “predicted” will be associated, and (2) the energy expected using the same model as the forecast, but applied to the actual irradiance, temperature, and wind speed observed at the site during the reporting period. Quantities associated with the specific energy production are labeled as “actual”.

# | Forecasted vs. Actual Energy

The following graph shows performance (*Actual*-metered energy v. *Predicted*- PVSYST forecast) for Q2 2019.

# | Weather Adjusted Performance

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Measured Avg Irradiance** | **Assumed Avg Irradiance** | **Measured Avg Temp** | **Assumed Avg Temp** | **Weather adjusted expected production variance** |
| **Month** | kWh/m^2 | kWh/m^2 | F | F | % Variance |
| **19-Apr** | 163.51 | 186.7 | 65 | 61.82 | -12% |
| **19-May** | 197.5 | 231.9 | 66 | 67.11 | -15% |
| **19-Jun** | 235.31 | 247.6 | 80 | 74.22 | -5% |

# | Operations & Maintenance

The following table details all operations/maintenance related issues and corrective actions for Q2 2019.

There were no maintenance issues during Q2 2019.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Orland** | **Issue/Date** | **Corrective Action** | **Resolved/Not Resolved** | **kWh Lost** |
| NA |  |  |  |  |

# |Availability

The overall availability for this quarter was **100.00%** and there were no outages.

# |Billings & Collections

|  |  |  |
| --- | --- | --- |
| **Month** | **Invoice Amount** | **Collections** |
| **19 – April** | $11,674.89 | $11,674.89 |
| **19 – May** | $24,125.68 | $24,125.68 |
| **19 – June** | $26,409.84 | $26,409.84 |

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# |Financials

Financials are attached below or sent in separate document.