**Sauk Valley Community College**

**September 24, 2018**

**Action Item 4.3**

**Topic: Solar Project Engineering (Tabled April 23, 2018)**

**Strategic Direction: College Health – Metric 3 – Financial Stability – The College uses its revenue conservatively. The College pursues and utilizes alternative revenue streams.**

**Presented by: Dr. David Hellmich**

**Presentation:**

Below is the information presented to the Board on April 23, 2018:

Discussions have continued regarding the option of having solar panels on campus. Early information below shows a payback of 7.42 years.

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| --- | --- |
| System Size in kilowatts (kWh) | 124.44 |
| System Cost Calculation | (in $’s) |
| **Gross System Cost** | **$248,880** |
| ComEd Rebates | ($31,110) |
| Less SREC | ($136,538) |
| **Net System Cost** | **$81,232** |
| **Payback in Years** | **7.42** |
| First-Year Estimated Electric Bill Savings | $10,174 |
| Average Estimated Electric Bill Savings | $13,825 |

The administration would like to proceed with the completion of the project engineering at a cost of $28,900. If the completed engineering provides information indicating the viability of completing the solar project, the administration will come back to the Board for overall project approval, which will contain adjusted information on the cost of the project, if needed.

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Since the April 23 meeting, the College’s interconnection application has been approved by ComEd, thus qualifying the College for Solar Renewable Energy Credits (SRECs) if the project is pursued. Updated information below shows a payback of 7.3 to 8.6 years.

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| --- | --- | --- |
|  | **Block 1** | **Block 4** |
| System Size in kilowatts (kWh) | 124.44 | 124.44 |
| System Cost Calculation | (in $’s) | (in $’s) |
| **Gross System Cost** | **$278,880** | **$278,880** |
| ComEd Rebates | ($31,110) | ($31,110) |
| Less Solar Renewable Energy Credits (SRECs) | ($150,570) | ($133,215) |
| **Net System Cost** | **$97,200** | **$114,555** |
| **Payback in Years** | **7.3** | **8.6** |
| First-Year Estimated Electric Bill Savings | $10,174 | $10,174 |
| Average Estimated Electric Bill Savings | $13,825 | $13,825 |

**Recommendation:**

The administration recommends the Board approve to expenditure of $28,900 for the engineering costs of the Solar Project.