

# Solar Array Performance Update

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AIKEN COUNTY PUBLIC SCHOOL DISTRICT    AUGUST 12, 2025



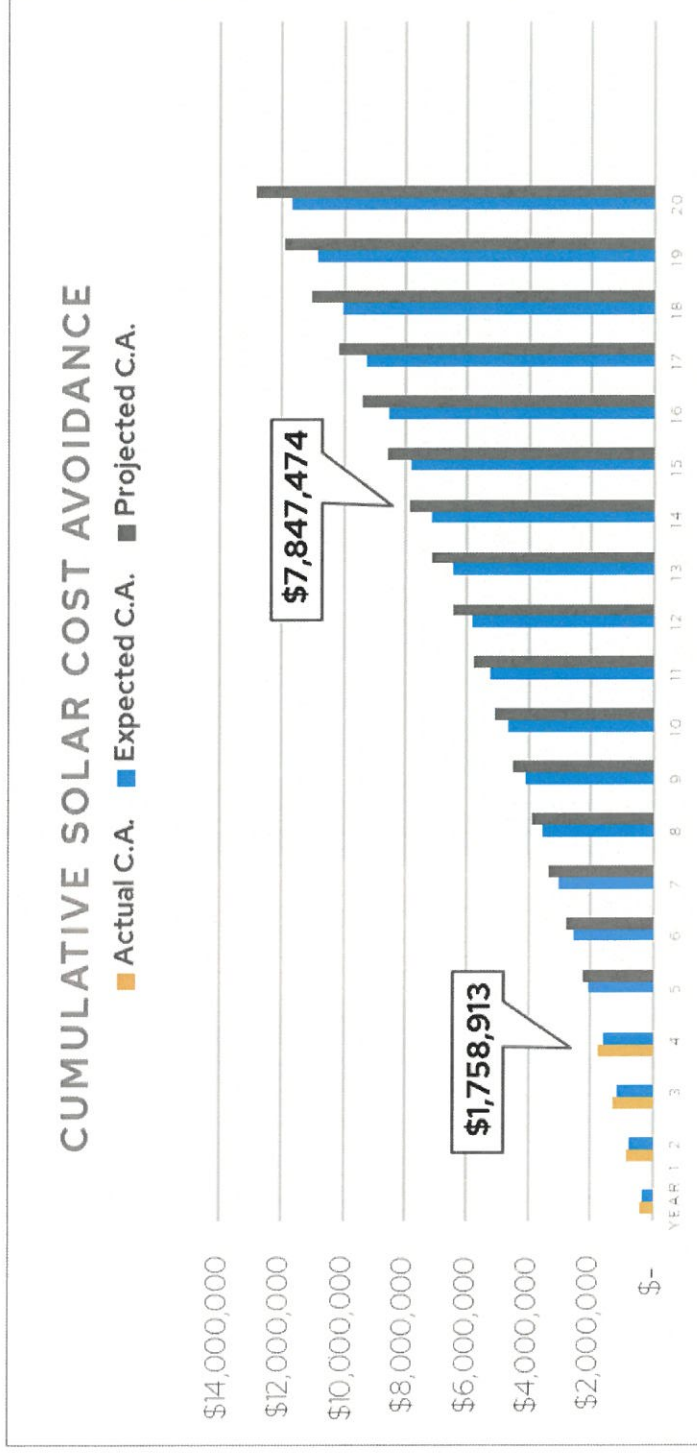
# Annual Savings

| PERFORMANCE YEAR | EXPECTED<br>COST<br>AVOIDANCE | ACTUAL<br>COST<br>AVOIDANCE | EXCESS<br>COST<br>AVOIDANCE | ROI        |
|------------------|-------------------------------|-----------------------------|-----------------------------|------------|
| One              | \$ 324,676                    | \$ 411,540                  | \$ 86,864                   | 5%         |
| Two              | \$ 406,581                    | \$ 446,429                  | \$ 39,848                   | 6%         |
| Three            | \$ 422,329                    | \$ 431,684                  | \$ 9,355                    | 6%         |
| Four             | \$ 443,447                    | \$ 469,260                  | \$ 25,813                   | 6%         |
| <b>Total:</b>    | <b>\$ 1,597,033</b>           | <b>\$ 1,758,913</b>         | <b>\$ 161,880</b>           | <b>23%</b> |

Aiken County Solar Generation is comprised of 6, fixed rack DC ground mounted solar arrays with a combined capacity of 2,898kW. Together, these solar arrays have exceeded cost avoidance expectations each performance year with a combined excess savings of \$161,880.

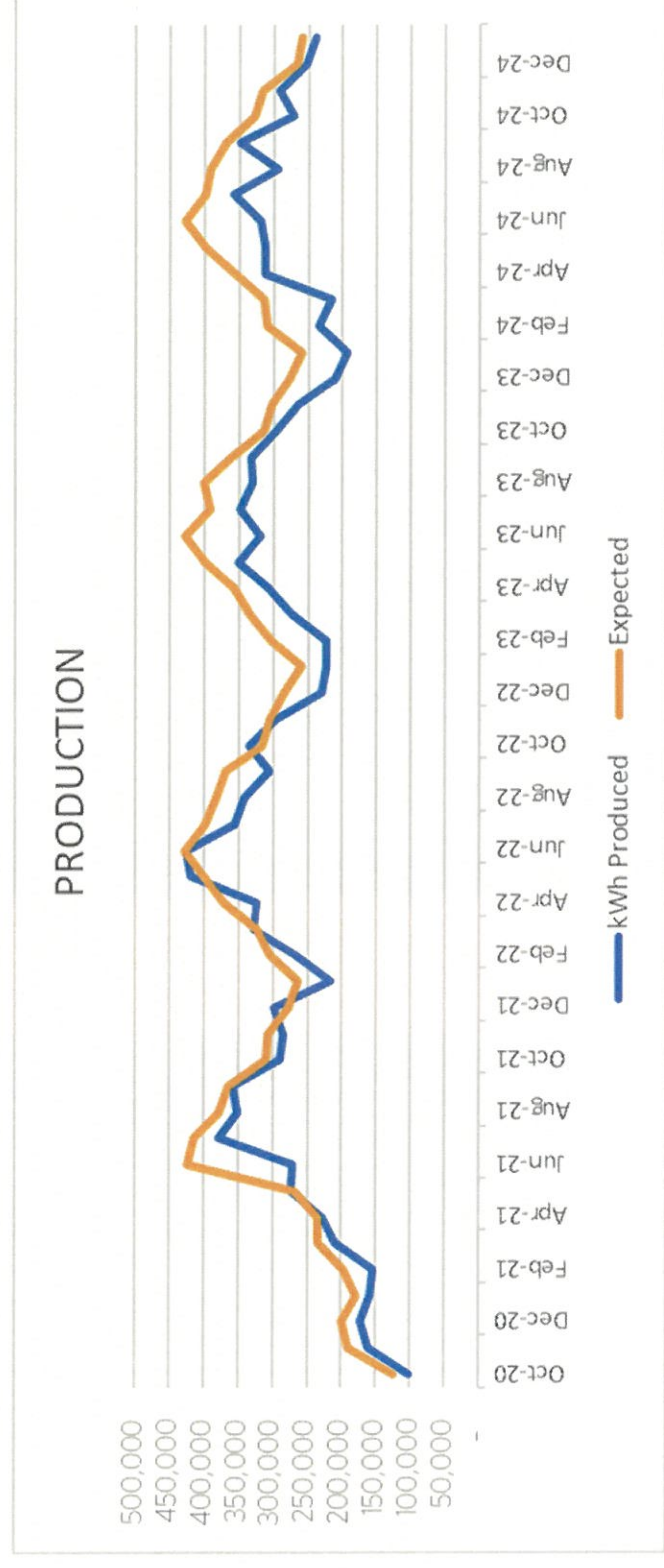
# Current and Projected Performance

The current ROI of the Aiken solar array is 23% with a cost avoidance trend projecting payback in performance year 14.



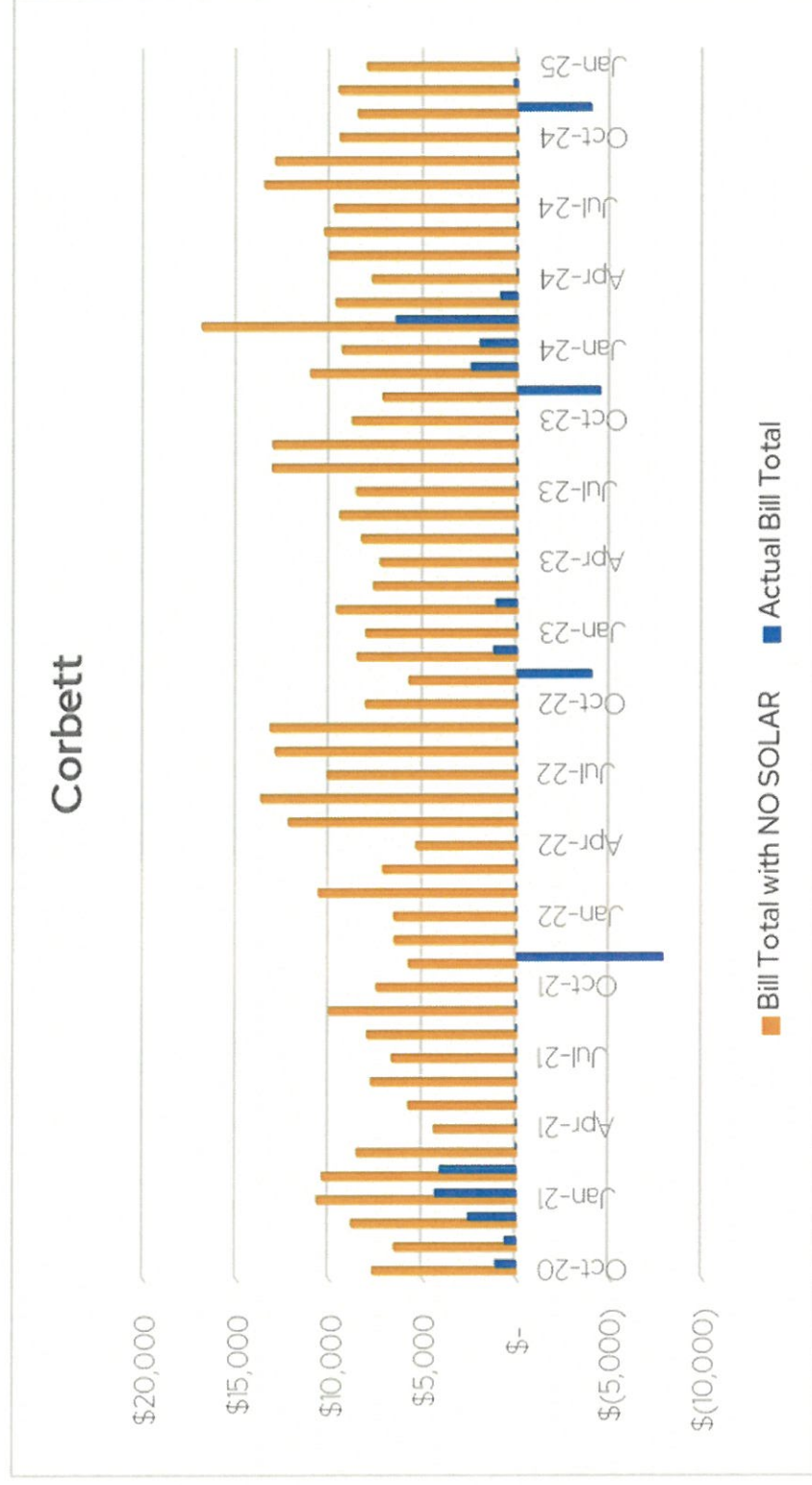


# Production

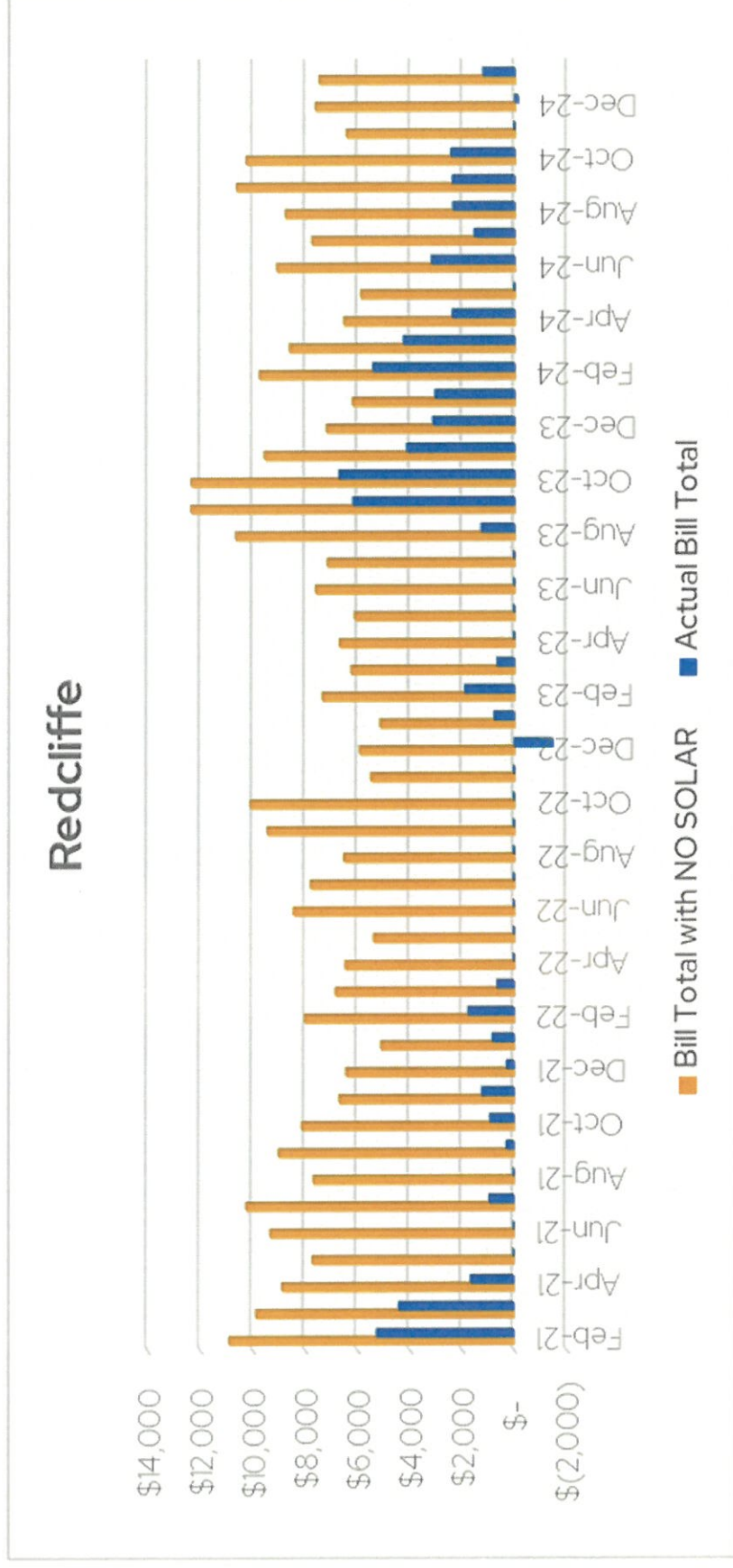


Overall solar production has been tracking expectations. Production is expected to improve now that repairs have been made to inverters that had been impacted by inclement weather.

# Cost Avoidance Site Level

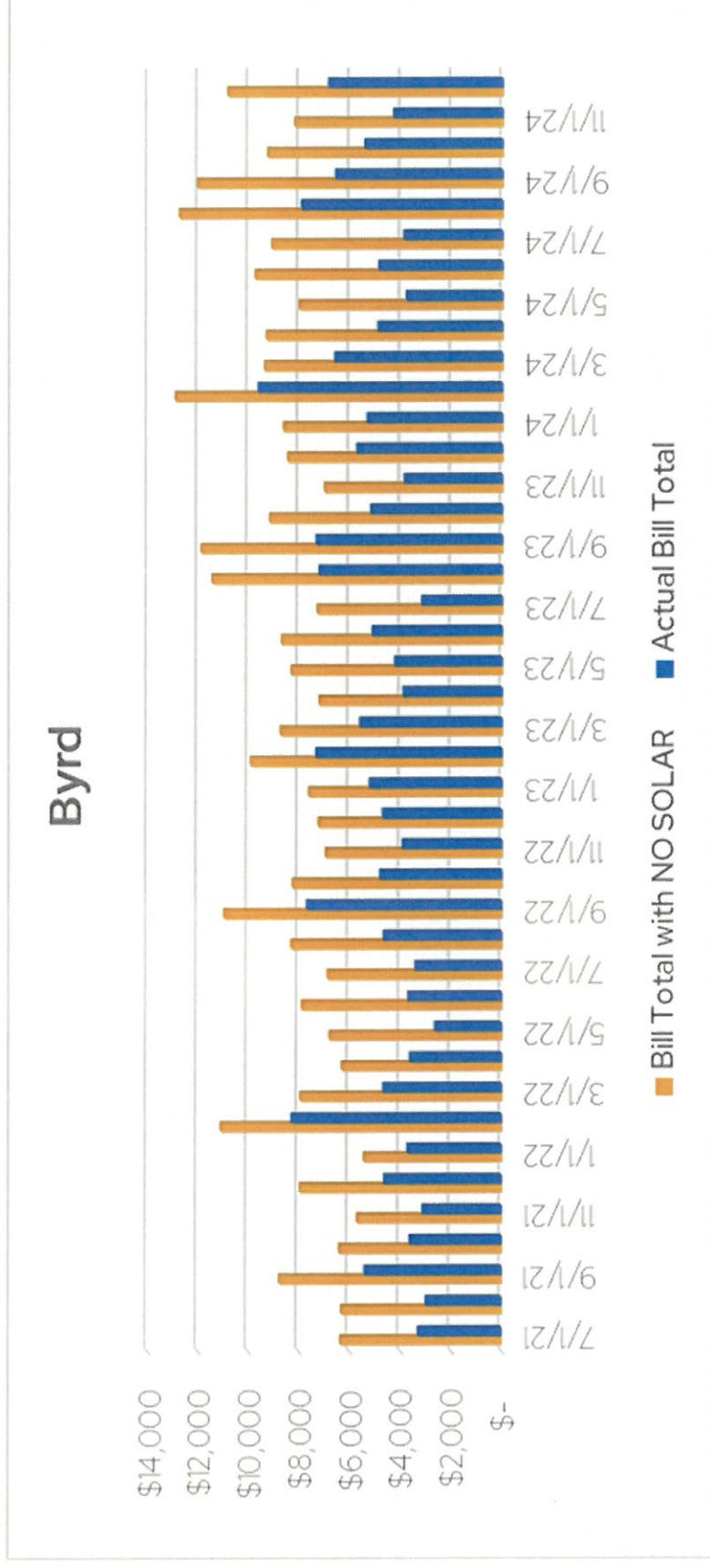


# Cost Avoidance Site Level

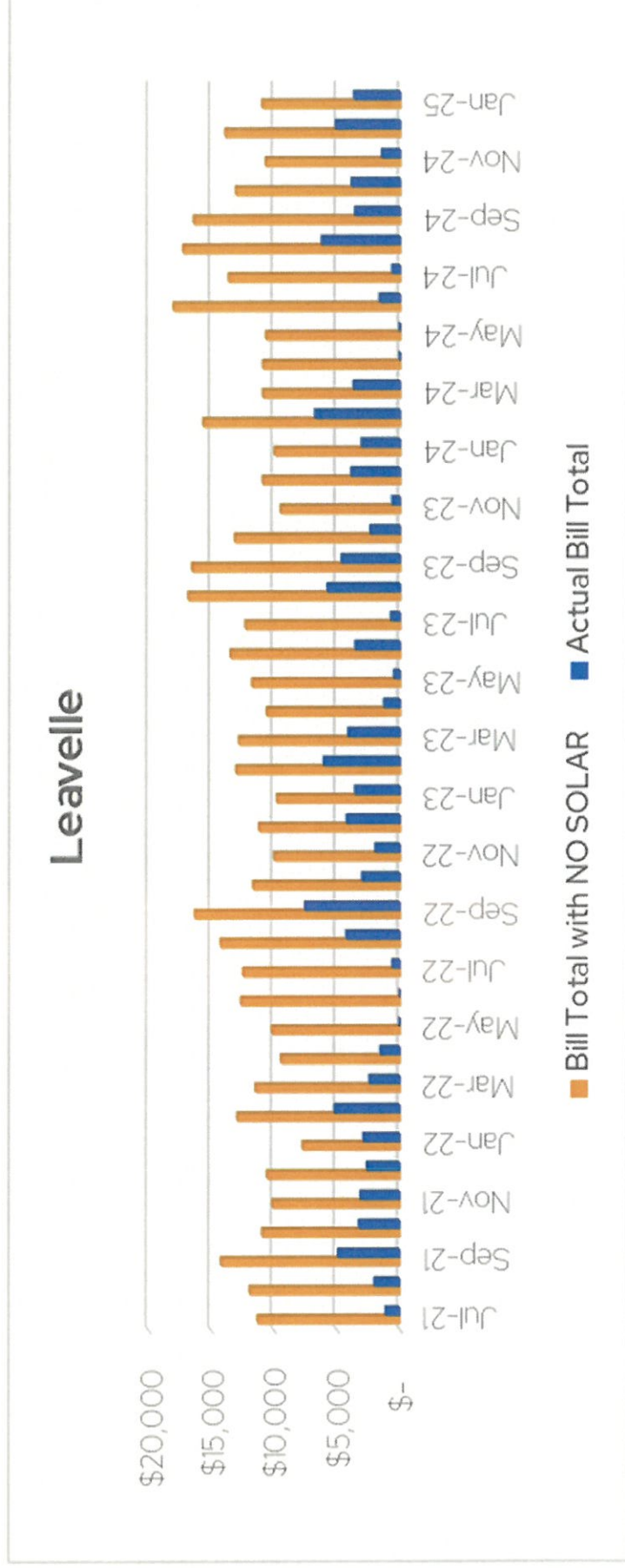




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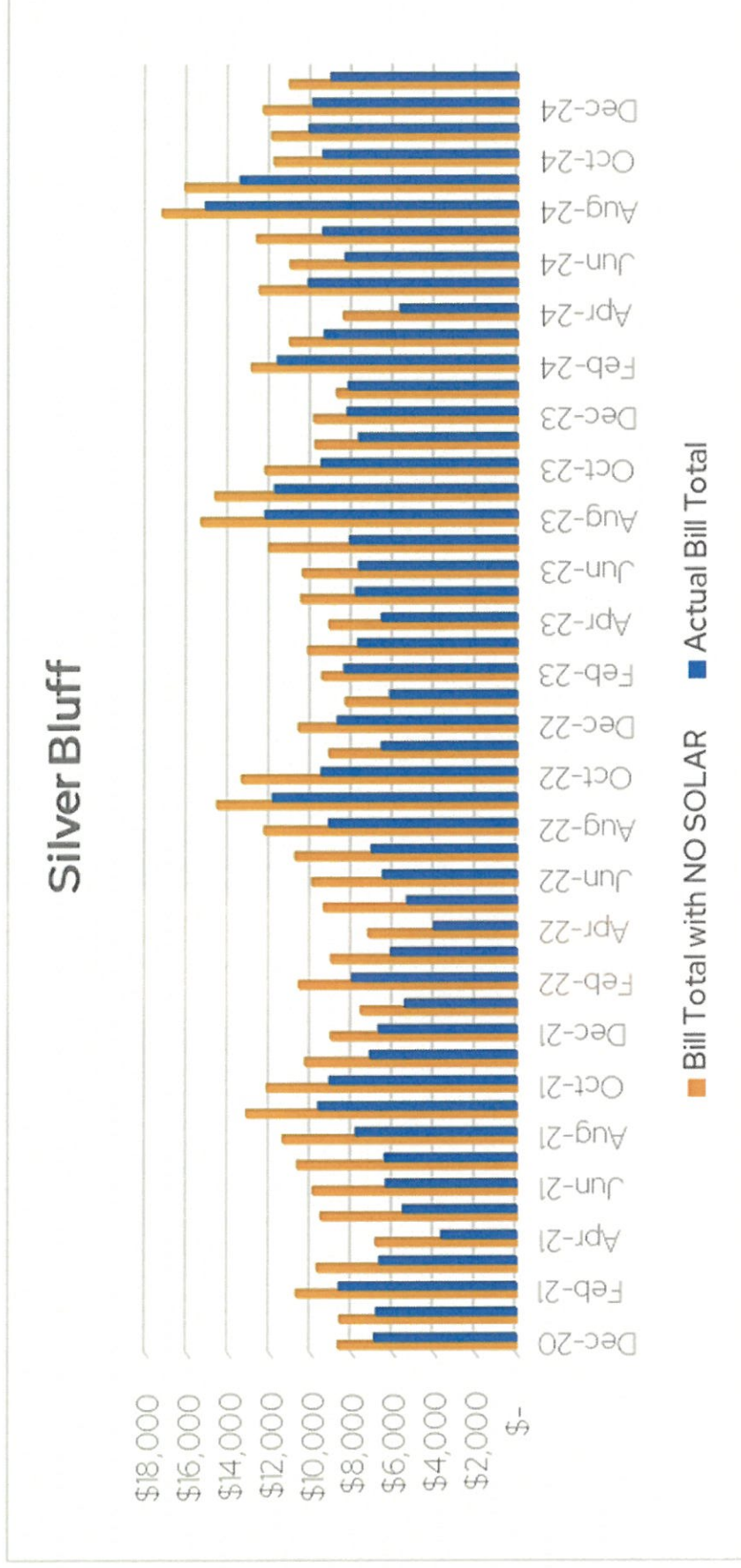


# Cost Avoidance Site Level

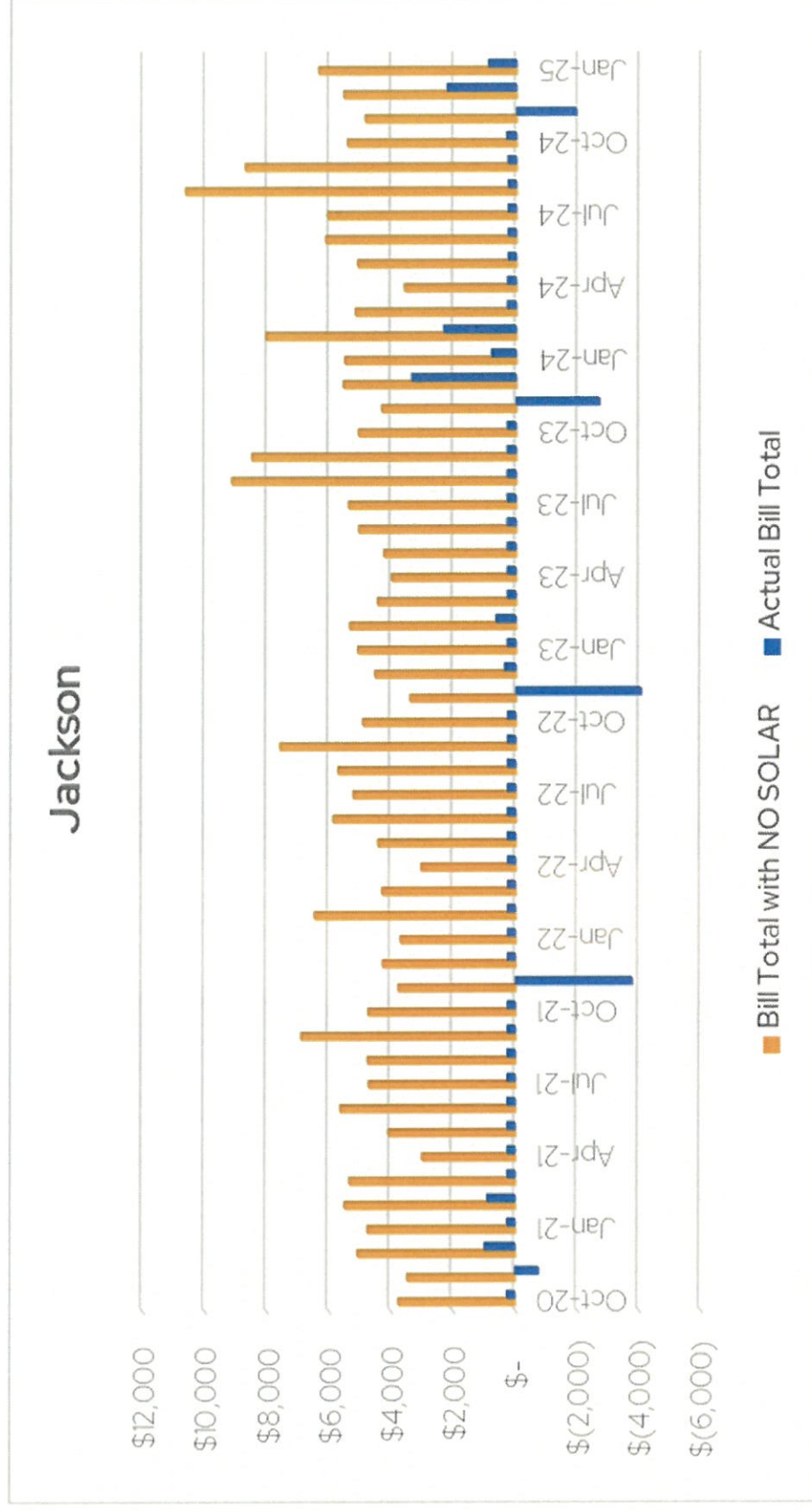




# Cost Avoidance Site Level



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# Proposal for Additional Arrays

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- The original Energy Services Contract created in 2018-2019 had solar arrays as one component.
- The overall contract, with multiple components, provided significant energy savings with a favorable ROI versus construction costs prior to the global pandemic.
- Since the solar arrays were completed in 2022, construction costs have escalated, and interest rates have risen.
- Under the latest proposal offered by ABM to install more solar arrays, the break even point would not occur until year twenty.



# Proposal for Additional Arrays

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- At year twenty, the natural degradation of the arrays would reduce output by 20%.
- The ROI for more arrays does not justify the construction costs in 2025.

# QUESTIONS & COMMENTS

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