



## Finney County

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### Measurement & Verification Report

May 2018 through April 2019



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# Project Summary

Willdan Performance Engineering is pleased to provide you with this report demonstrating the level of savings achieved during the Measurement and Verification Phase from May 2018 through April 2019 as a result of the energy conservation upgrades project. As this report demonstrates, significant energy and maintenance cost savings were achieved throughout your facilities. The total of all savings during the reporting period was \$335,378 which was comprised of \$51,851 in Option C Electric Savings, \$59,611 in Option C Fuel Savings, \$14,616 in Stipulated Electric/Fuel Savings, and \$209,300 in Stipulated Maintenance Savings; the total was \$28,639 more than the guarantee savings of \$306,739.

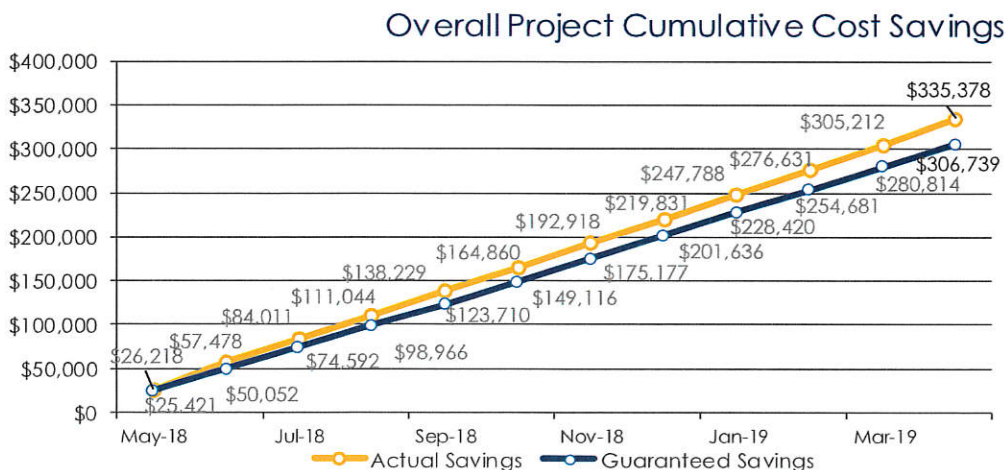
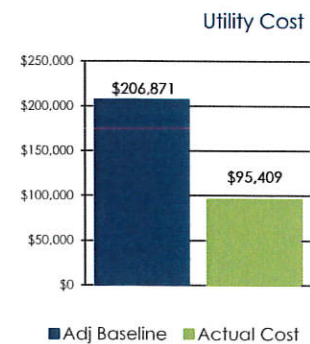
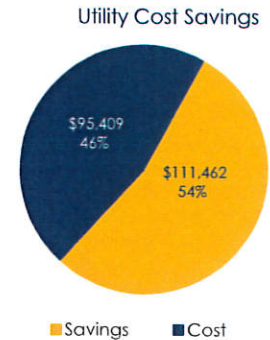
Sincerely,

*Chris Drake*

Chris Drake  
Measurement & Verification Professional

## Project Savings Performance Summary

The chart below tracks project savings over time. The blue line represents the guaranteed contract savings while the yellow line represents the actual savings achieved.



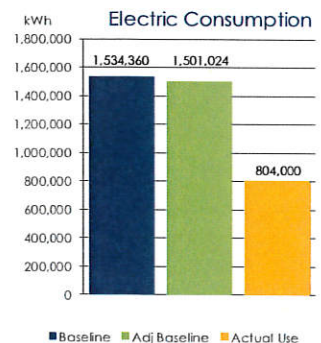
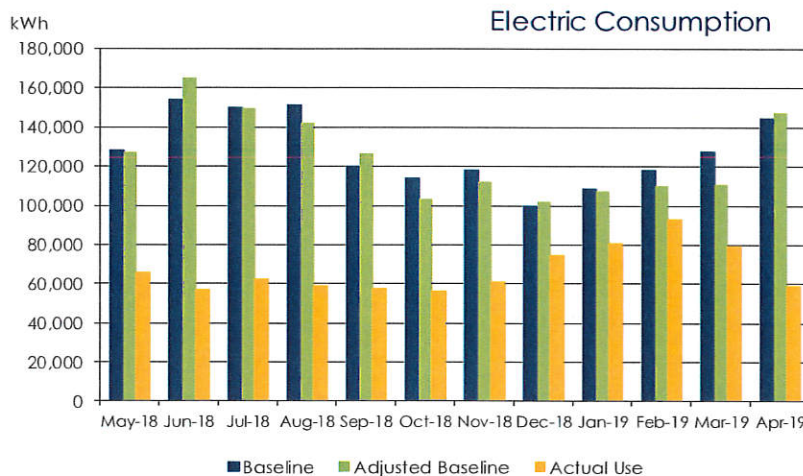
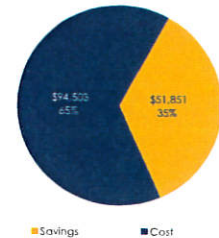


# Savings Details

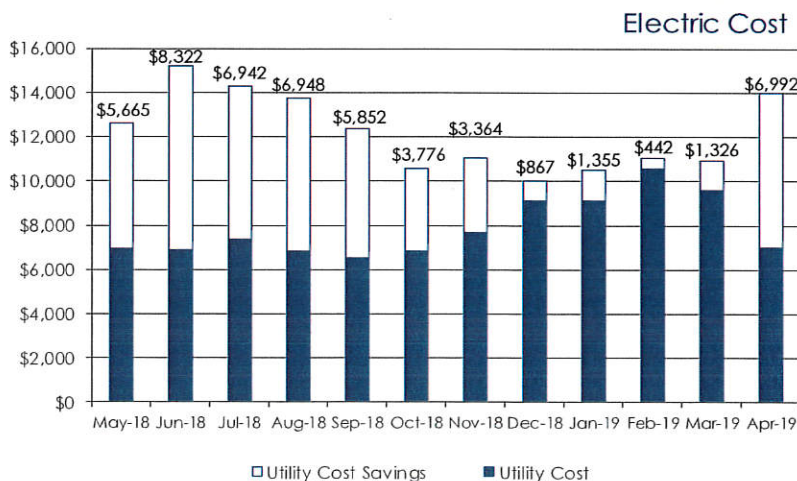
## Overall Electrical Performance

The following graphs illustrate the electrical performance for all facilities during the measurement and verification period. The first graph below illustrates the weather adjustments and savings that occurred in electrical usage. The blue bar represents the baseline, the green bar represents the adjustments made to the baseline based on actual weather, and the yellow bar is the current usage. The difference between the blue and green bars is the savings (or loss) due to weather effects, and the difference between the green and yellow bars is the calculated electric savings.

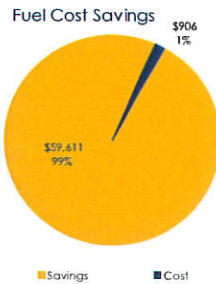
Electric Cost Savings



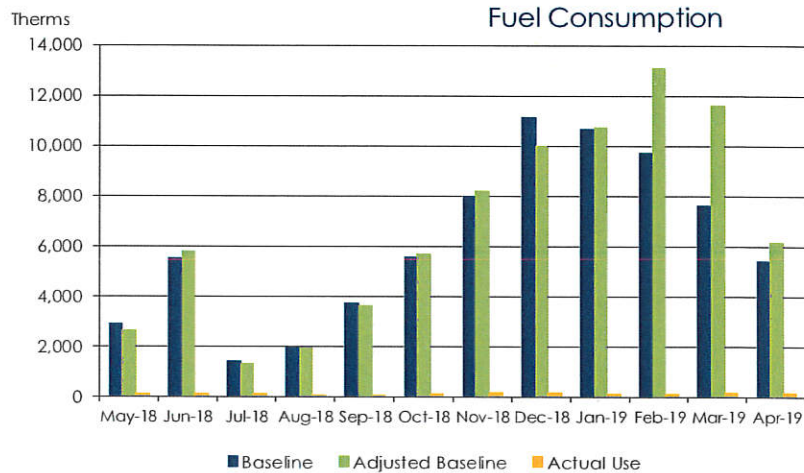
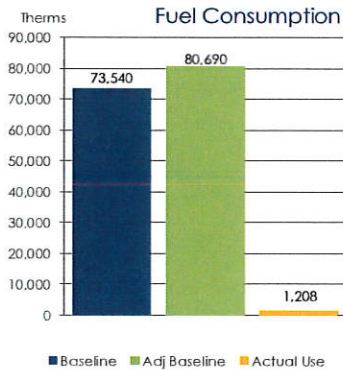
The graph below illustrates the monthly cost savings achieved through the project. The white bar represents savings, and the blue bar represents the new monthly costs.



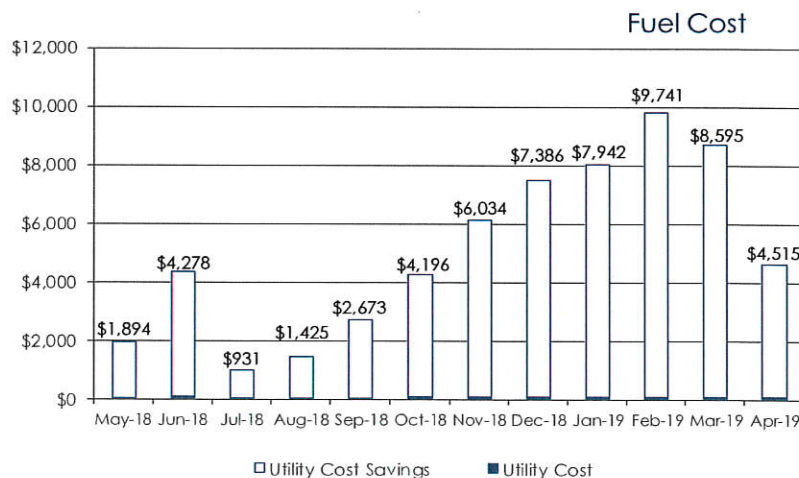
## Overall Fuel Performance



The following graphs illustrate the fuel performance for all facilities during the measurement and verification period. The first graph below illustrates the weather adjustments and savings that occurred in fuel usage. The blue bar represents the baseline, the green bar represents the adjustments made to the baseline based on actual weather, and the yellow bar is the current usage. The difference between the blue and green bars is the savings (or loss) due to weather effects, and the difference between the green and yellow bars is the calculated fuel savings.



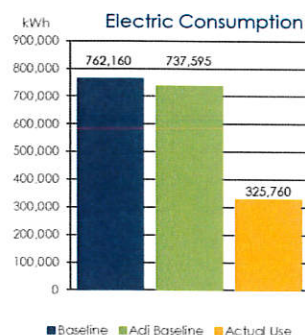
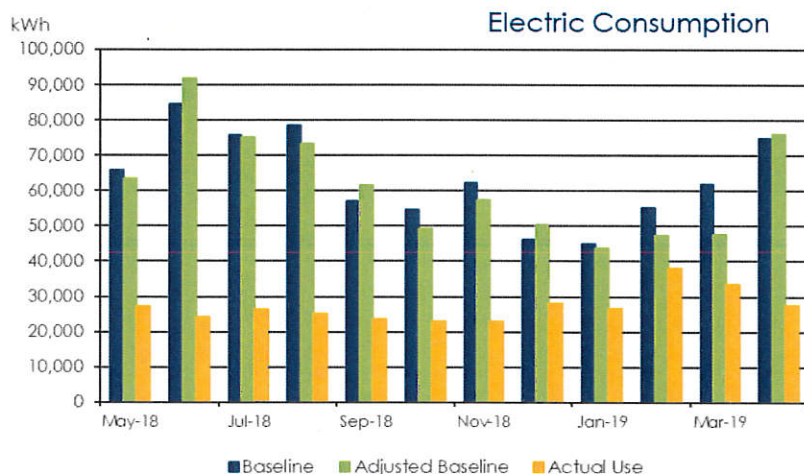
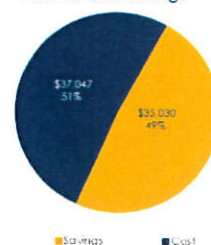
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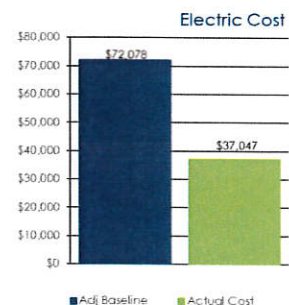
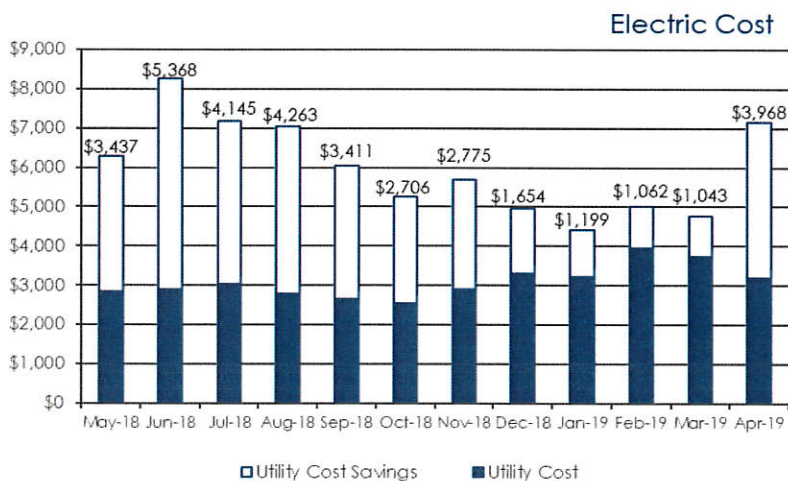
# Administration Building Electrical Performance

The following graphs illustrate the electrical performance for the Administration Building during the measurement and verification period. The first graph below illustrates the weather adjustments and savings that occurred in electrical usage. The blue bar represents the baseline, the green bar represents the adjustments made to the baseline based on actual weather, and the yellow bar is the current usage. The difference between the blue and green bars is the savings (or loss) due to weather effects, and the difference between the green and yellow bars is the calculated electric savings.

Electric Cost Savings

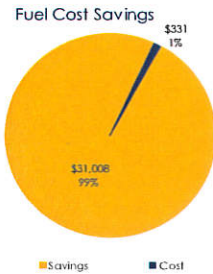


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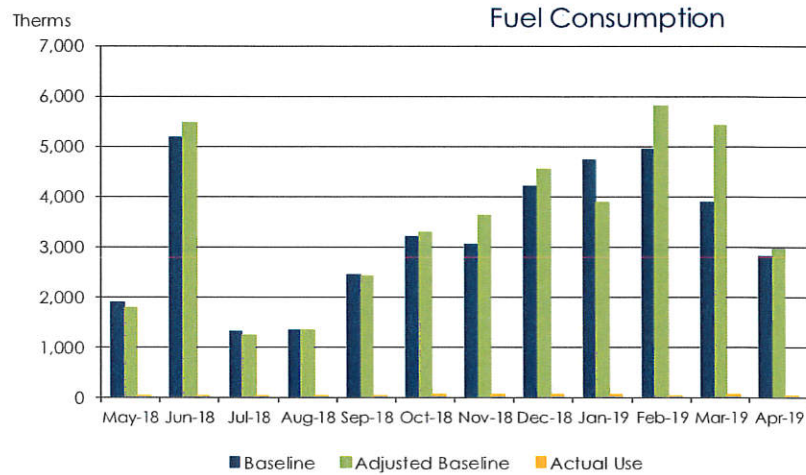
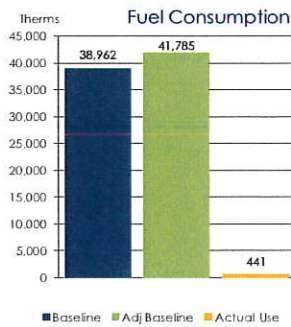




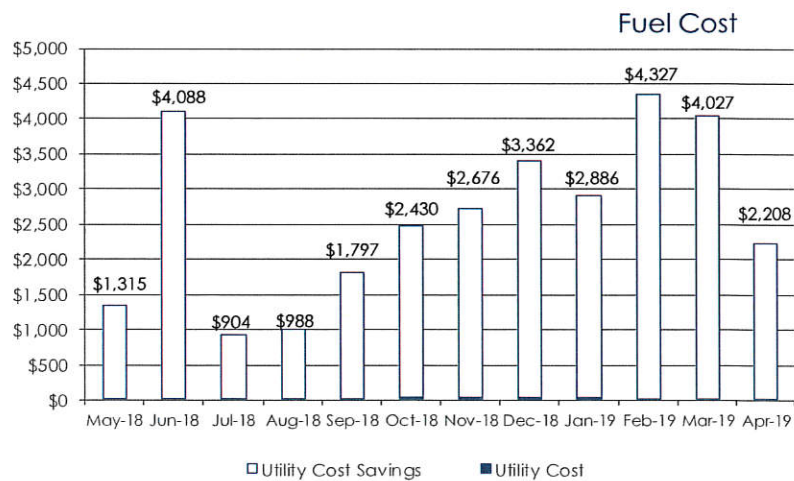
# Administration Building Fuel Performance



The following graphs illustrate the fuel performance for the Administration Building during the measurement and verification period. The first graph below illustrates the weather adjustments and savings that occurred in fuel usage. The blue bar represents the baseline, the green bar represents the adjustments made to the baseline based on actual weather, and the yellow bar is the current usage. The difference between the blue and green bars is the savings (or loss) due to weather effects, and the difference between the green and yellow bars is the calculated fuel savings.



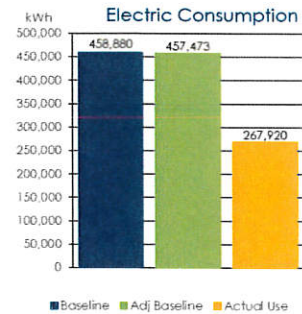
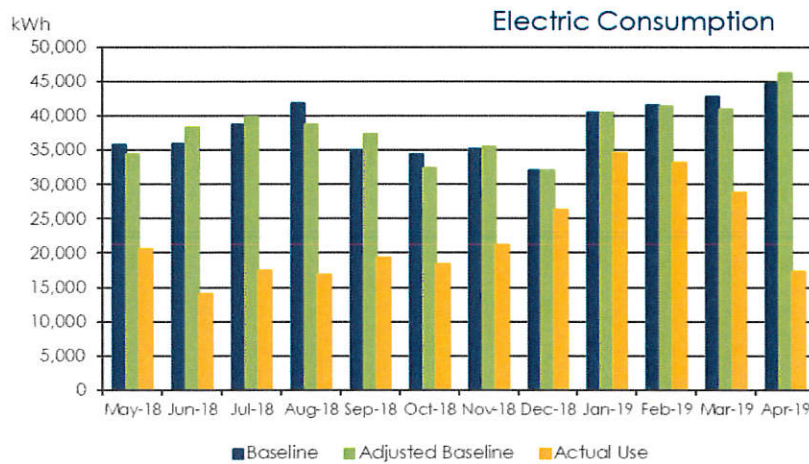
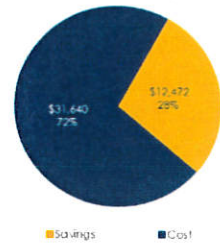
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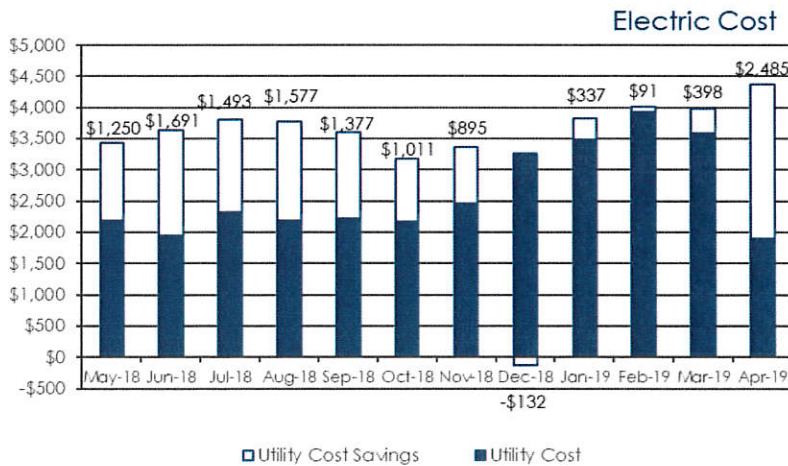
# Courthouse Electrical Performance

The following graphs illustrate the electrical performance for the Courthouse during the measurement and verification period. The first graph below illustrates the weather adjustments and savings that occurred in electrical usage. The blue bar represents the baseline, the green bar represents the adjustments made to the baseline based on actual weather, and the yellow bar is the current usage. The difference between the blue and green bars is the savings (or loss) due to weather effects, and the difference between the green and yellow bars is the calculated electric savings.

Electric Cost Savings

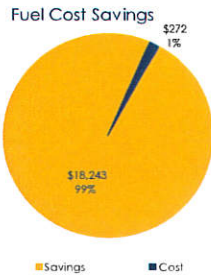


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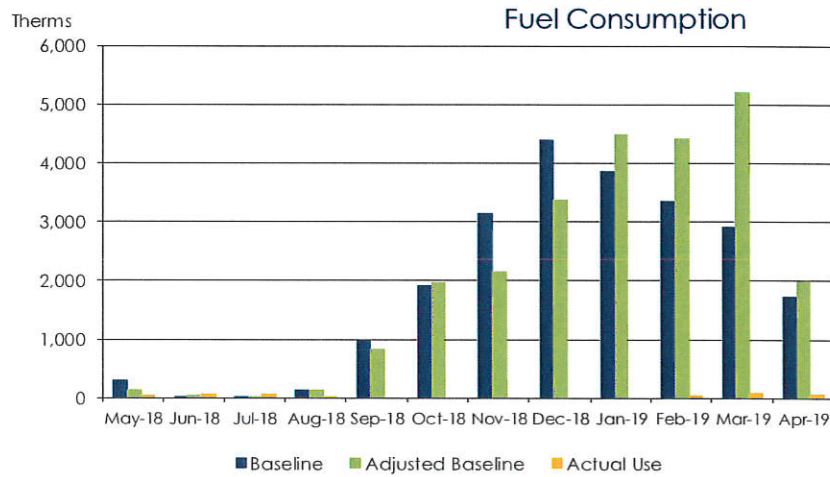
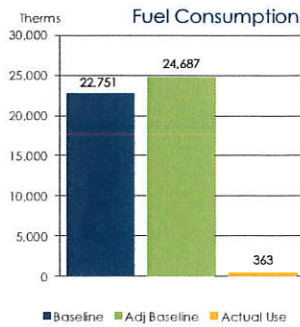




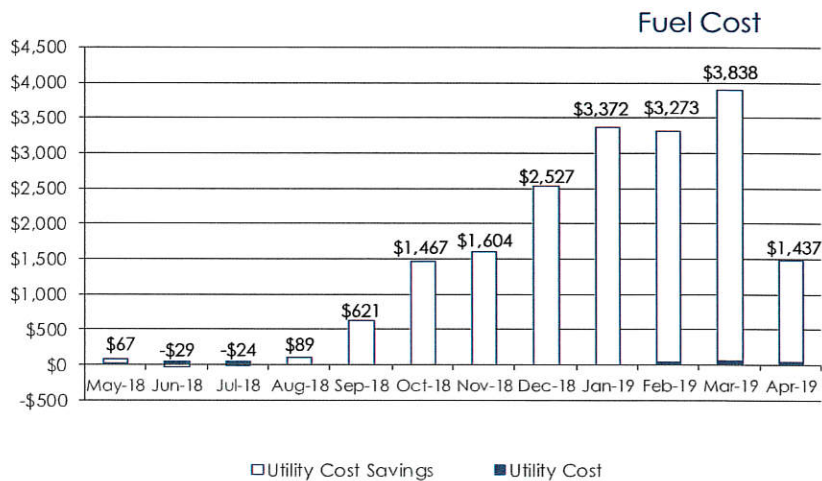
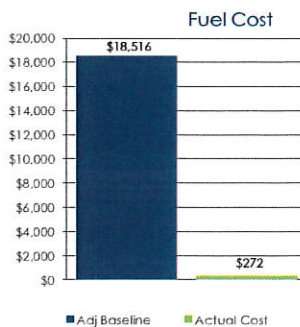
# Courthouse Fuel Performance



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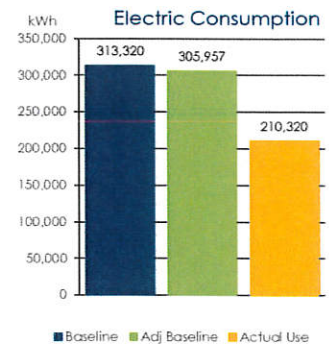
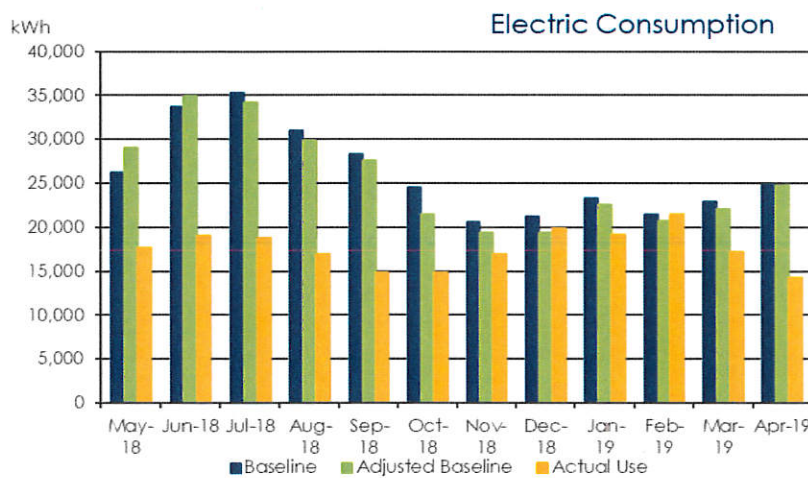
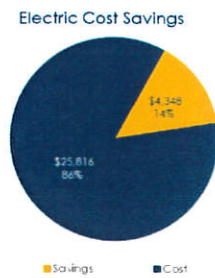


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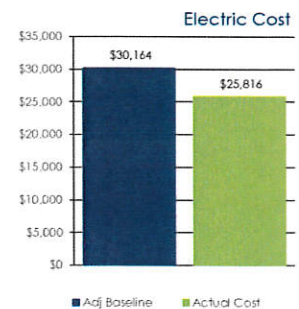
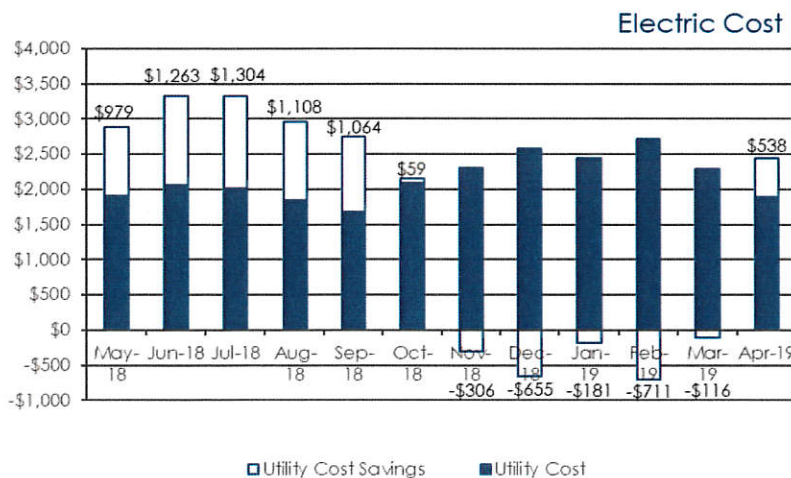


# Library Electrical Performance

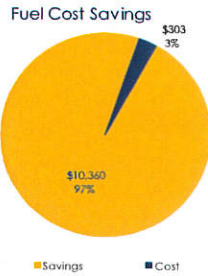
The following graphs illustrate the electrical performance for the Library during the measurement and verification period. The first graph below illustrates the weather adjustments and savings that occurred in electrical usage. The blue bar represents the baseline, the green bar represents the adjustments made to the baseline based on actual weather, and the yellow bar is the current usage. The difference between the blue and green bars is the savings (or loss) due to weather effects, and the difference between the green and yellow bars is the calculated electric savings.



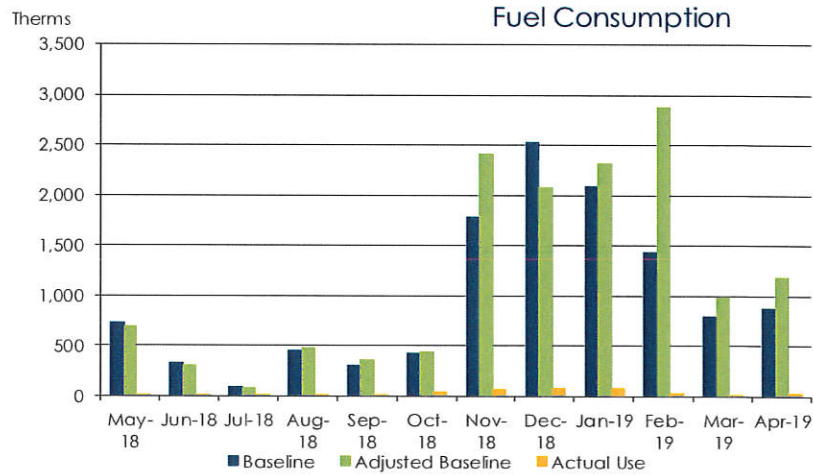
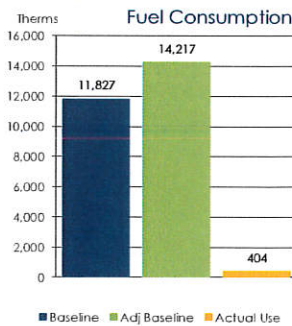
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## Library Fuel Performance



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