



Energy Program Update

School Board Update – June 2021

Data from June 2019-April 2021

Raw Cost Summary



Westfield Washington Schools,
Indiana

Board Report Cap19

Executive Summary (KBtu)

Cumulative Cost Savings

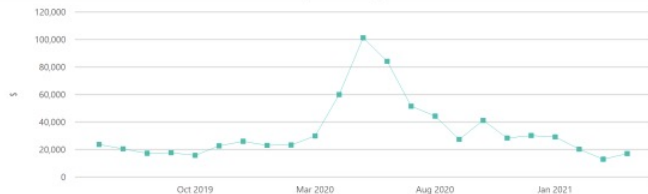
Billing Period between Jun 2019 and Apr 2021

Expected Cost	\$4,566,623
Actual Cost	\$3,798,501
Program Savings	\$768,123
Percent Savings	16.8%
Other Savings	\$0
Total Savings	\$768,123



Expected Energy Cost	Actual Energy Cost	Program Savings
Anticipated expense without energy management.	Actual utility costs for electricity, gas, water, sewer, etc. obtained directly from bills.	The difference between Expected and Actual Cost, calculated in accordance with the International Performance Measurement & Verification Protocol and ISO 50015. Does not include savings attributable to reduced equipment maintenance and replacement costs and other collateral benefits. These savings can increase the program savings up to 20%.
Base year usage after adjustments for such variables as changes in weather, equipment, schedules, occupancy and prices.	Other Savings Additional documented savings attributable to Program activities but not the direct result of usage reductions, such as rebates, refunds, tariff changes, etc.	

Monthly Cost Savings



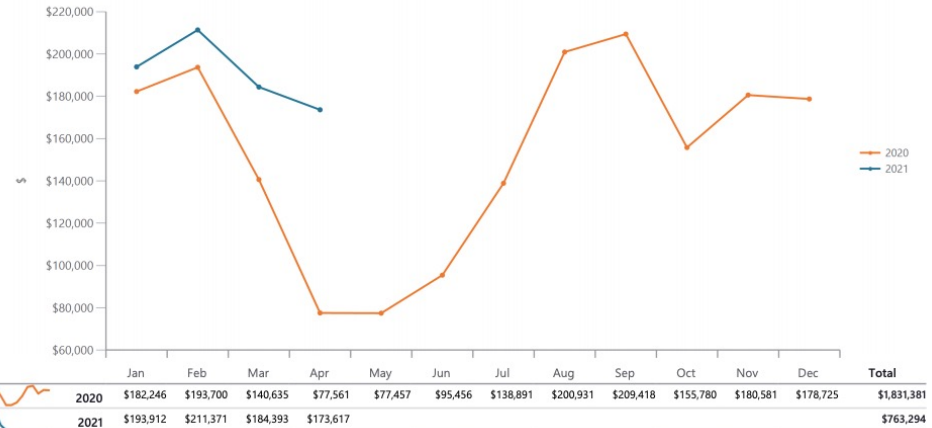
Westfield Washington Schools, Indiana

Board Report 2 - Comparing Year-to-Year

Monthly Cost by Year

Executive Summary (\$)

Monthly Cost by Year



Cost savings summary from June 2019-April 2021.
Monthly breakdown comparing January 2020-April 2021.

Cost Avoidance Summary

		Westfield Washington Schools, Indiana		Ranking Report		
Rank	Building Name	Building Code	Cost Avoidance (\$)	BATCC Cost (\$)	Actual Cost (\$)	Cost Avoidance (%)
1	Westfield High School	WHS	\$306,067	\$1,254,694	\$948,627	24.4 %
2	Westfield Intermediate School	WIS	\$90,004	\$431,069	\$341,065	20.9 %
3	Westfield Middle School	WMS	\$82,749	\$760,186	\$677,437	10.9 %
4	Facilities Management Building	WWSFMB	\$68,796	\$165,414	\$96,618	41.6 %
5	Maple Glen Elementary School	MGES	\$39,119	\$225,134	\$186,015	17.4 %
6	Monon Trail Elementary School	MTES	\$37,786	\$244,474	\$206,688	15.5 %
7	Carey Ridge Elementary School	CRES	\$36,382	\$338,421	\$302,038	10.8 %
8	Oak Trace Elementary School	OTES	\$31,039	\$304,489	\$273,450	10.2 %
9	Transportation Center	TRANS	\$25,886	\$118,847	\$92,961	21.8 %
10	Shamrock Springs Elementary School	SSES	\$20,984	\$310,787	\$289,802	6.8 %
11	Washington Woods Elementary School	WWES	\$20,622	\$268,268	\$247,646	7.7 %
12	WHS New Community Stadium	WHSCS	\$9,228	\$81,989	\$72,762	11.3 %
13	Grounds Building	SDXO	\$527	\$9,153	\$8,626	5.8 %
14	Natatorium	NAT	\$0	\$39,616	\$39,616	0.0 %
15	Administration Building	ADM	-\$1,067	\$14,083	\$15,150	-7.6 %
Total			\$768,123	\$4,566,623	\$3,798,501	16.8%

Cost avoidance summary from June 2019 – April 2021



Energy Program News

2021 Summer Shut Down Plan

The biggest opportunities lie in time of day scheduling and situational repairs at each facility. The following plan is fluid in nature, changing by the week in some cases. To ensure our success, every person in the district has a significant role in planning, implementing, and following the energy guidelines. Described below are suggested contributions from each of us this summer:

Energy Specialist:

- Complete comprehensive audits of all buildings each week
- Report opportunities to P.L. Joe Montalone as well as the maintenance & custodial teams
- Continue to monitor all large cost centers every week including but not limited to air conditioning, irrigation, and lighting
- Maintain Moisture Management Procedures in each facility
- Monitor master schedules every week
- Confirm spaces used for summer programs and modify HVAC schedules as appropriate
- Publication and implementation of summer guidelines

Maintenance (including custodial services):

- Manage and monitor scheduling of HVAC and irrigation schedules
- Reinforce paradigm shift established last summer that all non-essential equipment shall be programmed off unless advised of occupancy 48 hours in advance
- Limit security lighting at building level. At a minimum make sure they come on only at dusk to dawn hours if not off altogether.