



Strategy Innovation

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# Energy Program Update

School Board Update – April 2021

*Data from June 2019-February 2021*

# Raw Cost Summary



Westfield Washington Schools,  
Indiana

Newsletter Energy Conservation Program

## Executive Summary (KBtu)

### Cumulative Cost Savings

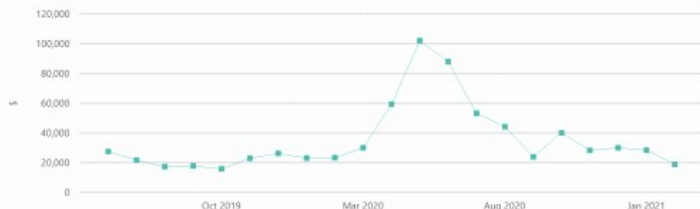
Billing Period between Jun 2019 and Feb 2021

Expected Cost	\$4,145,415
Actual Cost	\$3,403,918
Program Savings	\$741,497
Percent Savings	17.9%
Other Savings	\$0
Total Savings	\$741,497



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



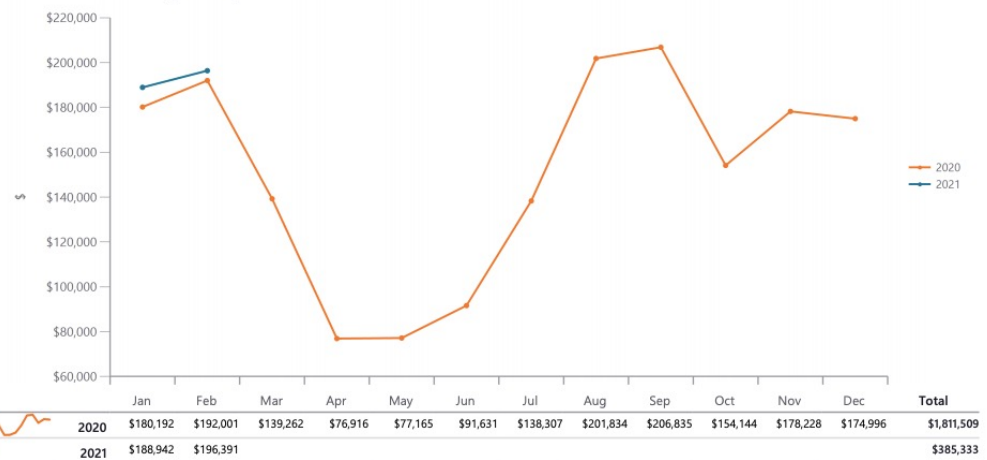
Westfield Washington Schools, Indiana

Monthly Trends - Comparing Year-to-Year

## Monthly Cost by Year

### Executive Summary (\$)

### Monthly Cost by Year



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

# Cost Avoidance Summary



Westfield Washington Schools, Indiana

Cost Avoidance

## Cost Avoidance by Building

Billing Period between 201906 and 202102

	BATCC Cost	Actual Cost	Cost Avoidance	Cost Avoidance %
Westfield High School [WHS]	\$1,170,331	\$854,596	\$315,735	27.0%
Westfield Intermediate School [WIS]	\$369,066	\$283,977	\$85,089	23.1%
Westfield Middle School [WMS]	\$695,718	\$612,277	\$83,441	12.0%
Facilities Management Building [WWSFMB]	\$153,398	\$91,102	\$62,296	40.6%
Maple Glen Elementary School [MGES]	\$207,319	\$170,165	\$37,154	17.9%
Carey Ridge Elementary School [CRES]	\$306,811	\$275,461	\$31,350	10.2%
Monon Trail Elementary School [MTES]	\$219,831	\$188,927	\$30,904	14.1%
Oak Trace Elementary School [OTES]	\$275,436	\$246,507	\$28,929	10.5%
Shamrock Springs Elementary School [SSES]	\$288,978	\$265,903	\$23,076	8.0%
Washington Woods Elementary School [WWES]	\$248,133	\$227,731	\$20,402	8.2%
Transportation Center [TRANS]	\$102,232	\$83,280	\$18,952	18.5%
WHS New Community Stadium [WHSCS]	\$68,732	\$64,463	\$4,268	6.2%
Grounds Building [SDXO]	\$8,444	\$7,863	\$581	6.9%
Natatorium [NAT]	\$17,318	\$17,318	\$0	0.0%
Administration Building [ADM]	\$13,669	\$14,349	(\$681)	-5.0%
<b>Total</b>	<b>\$4,145,415</b>	<b>\$3,403,918</b>	<b>\$741,497</b>	<b>17.9%</b>

Cost avoidance summary from June 2019 – February 2021





## Energy Program News

### Spring Break Update

#### Classroom/Office/Common Areas

Teachers were asked to shut their rooms down as they would before Spring Break.

1. Unplug all non-essential items in rooms
2. Close blinds
3. Empty and unplug refrigerators, microwaves, coffee makers etc

#### HVAC/Audits

- Building setpoints were changed to a 65° maximum during the day as we continue to have custodial crews working in the buildings. At night they fall back to the 60° normal setback.
- Daily audits of the Building Automated System (BAS) and running trend cycles will enable me to ensure that controls are working properly so that no area gets above 65° during the day and sets back properly at night. Physical walks of the building will ensure that what I'm seeing in the BAS is what's happening in the buildings.