



*School Benchmarking Report for*

# Oshkosh Area School District

Oshkosh Area School District,

Thank you for participating in Focus on Energy's School Benchmarking Initiative!

Focus on Energy serves K-12 schools across the state through its Agriculture, Schools and Government Program. The following analysis is provided by Focus on Energy as a service to Wisconsin K-12 public and private schools. The primary goals of this analysis are to:

- Help you understand how your buildings are doing relative to similar schools
- Identify and implement opportunities for improving operations and reducing costs in your district so that more of your budget can be spent in the classroom

Our analysis is based on school building descriptions you provided including size, number of students, types of heating and cooling used, cooking facilities, etc. In addition, we used your most recent utility bills to assess your electricity and heating fuel consumption. All of this information was compared against three sets of school energy data:

- B3 Benchmarking – each building is scored based on potential savings relative to the current energy code
- ENERGY STAR<sup>®</sup> – each building is measured to buildings of similar properties
- Peer Comparison – each building is compared to other Wisconsin schools participating in this benchmarking study

A user account has been created for you at <https://focusonenergy.b3benchmarking.com>. First time visitors, please visit <https://focusonenergy.b3benchmarking.com/Password-Reminder> to request a password key and establish your account. Once logged in you will have access to a variety of metrics, along with the ability to adjust your building and meter data.

The following report identifies the magnitude of potential energy savings. If you are interested in pursuing a project or have further questions, visit [www.focusonenergy.com/ea-map](http://www.focusonenergy.com/ea-map) to find your local Energy Advisor or call the Agriculture, Schools and Government Program at 888.947.7828.

Thank you again for participating. We hope the following information will be helpful to your district for years to come.

Sincerely,



Heather Feigum, Program Manager  
Focus on Energy Agriculture, Schools and Government Program

# Quick Start Guide

Use this guide to walk you through each item in the report, what it means and how to use the information. In this report you will find a District Summary and a report for each building that is participating in the study.

## District Summary


This report details all the buildings you have submitted data for in the benchmarking study. Use this site summary to prioritize the buildings that should be evaluated first for energy savings potential. Focus on buildings with the lowest B3 Benchmark ratings.

## Participating Sites

Provides details of the actual energy usage and benchmark energy usage for each building, the B3 Benchmark result, and the energy savings potential at the building.

### Participating Sites

The sites listed below were provided for inclusion in the Focus on Energy School Benchmarking Initiative. Actual kBtu/SF is calculated using utility bill information. Benchmark kBtu/SF is calculated using a representative energy model that predicts how much energy a site would use if it were built to current energy code.

Name	Gross SF	Actual kBtu/SF	Benchmark kBtu/SF	Actual over Benchmark	Annual Savings Potential	B3 Benchmark
Acme Middle/High School	77,652	103.50	81.28		\$25,000	☆☆☆☆☆

- The 'Actual kBtu/SF' value is a result of all electric and gas usage converted to kBtu and divided by the total square footage provided for the building (represented by the green bar in the Actual over Benchmark graph).
- The 'Benchmark kBtu/SF' estimates the amount of energy a similar building type would use if built to current code, which references ASHRAE 90.1-2013 standards (represented by the yellow bar in the Actual over Benchmark graph).
- The Annual Savings Potential is an estimate of the dollar savings attainable if the building was operating 15% more efficiently than code.
- The B3 Benchmark score is reported in a five-star system. A five-star rating translates to a school using the lowest amount of energy compared to building code. A two-and-a-half-star rating translates to the school using the same amount as code would require, and any less than two and a half stars indicates the school is using more energy than code.

## Energy Savings Opportunities

Each building that is using more energy than code will show energy savings potential. Keep in mind, even if there is no energy savings listed for your site - there is always room for improvement. Work with your energy advisor to help identify savings beyond the "low hanging fruit". Energy

Savings Opportunities are reported if the building uses more than 15% less than the current energy code. For example - if your building uses the same amount of energy as the benchmark, there is still 15% energy savings available because it is feasible to achieve 15% better than code with current technologies. The pie chart shows the amount of savings potential by fuel source which can help prioritize which technologies to upgrade.

### Energy Savings Opportunities

86% of the potential savings (\$30,000/yr) comes from 2 sites.

- Acme Middle/High School (\$25,000)
- Elementary Annex Building (\$5,000)

### Improvement Potential by Fuel Source



# Quick Start Guide

Use this guide to walk you through each item in the report, what it means and how to use the information. In this report you will find a District Summary and a report for each building that is participating in the study.

## Building Summary

This section details the building information provided to Focus on Energy to analyze the building. If something looks wrong in this section, please contact your energy advisor to get it updated as the data here will change the report and scores.

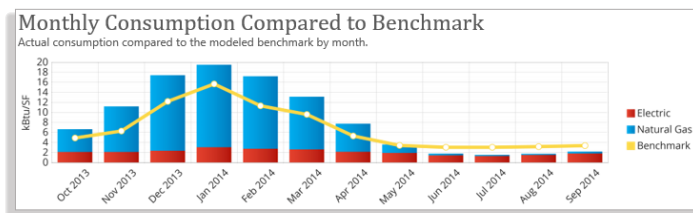
Acme Area School District Acme Middle/High School 123 Test St Boscobel, WI 53805	Built 1954 77,652 Gross Bldg SF 2 electric meters 1 natural gas meter
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## B3 Benchmark, Peer Rating and ENERGY STAR<sup>®</sup> Score

There are three scores listed for each building. The B3 Benchmark score was also reported on the district summary and compares the building data to the current energy code. The B3 Peer Rating is reported as a number between 1 to 100 with 50 being average of Wisconsin Schools participating in this study. Higher than 50 means your school is using less energy than a typical Wisconsin school and lower than 50 means your school is using more energy than a typical Wisconsin school. The ENERGY STAR score is reported as a number between 1 and 100. A score of 50 translates to using the average amount of energy. Higher than 50 means a customer uses less energy than similar properties and lower than 50 means a customer uses more energy than like properties.

B3 Benchmark	★★★★☆
B3 Peer Rating	8
ENERGY STAR <sup>®</sup> Score	31

## Monthly Consumption Compared to Benchmark



The Monthly Consumption graph shows the amount of energy broken out by fuel type used to heat, cool and operate the building each month of the year. Using an engineered model of yearly consumption of a typical facility built to code, the yellow benchmark line can help you identify which energy source is dominating energy charges and at what time of year you are using too much.

## Consumption by Energy Source Type

This table details the total energy used by fuel, how much is spent in the previous 12 months on that fuel, and the usage breakdown for that building. Use this section to identify the energy source you should be focusing on for your next upgrade.

	Total Usage	Usage/SF	kBtu	kBtu/SF	Energy Cost	\$/SF
Electric	567,729 kWh	7.31 kWh	1,937,090	24.95	\$53,511	\$0.69
Natural Gas	60,995 Therms	0.79 Therms	6,099,527	78.55	\$51,663	\$0.67
<b>Total</b>			<b>8,036,617</b>	<b>103.50</b>	<b>\$105,174</b>	<b>\$1.35</b>

Using period October 2013 to September 2014

## Building Details

**Building Details**  
The building has been set up with the following high-level space usage and operation assumptions. Refinements can be made to these details by logging in to B3 Benchmarking or by contacting your energy advisor.

Space Type	Hours/day	Days/wk	Months/yr	Heating
Classrooms	8 hrs/day	5 days/wk	12 months/yr	Heated Only
Office	9 hrs/day	5 days/wk	12 months/yr	Heated Only
Gymnasium	8 hrs/day	7 days/wk	12 months/yr	Heated Only
Dining	14 hrs/day	7 days/wk	12 months/yr	Heated Only
Educational Laboratory	10 hrs/day	7 days/wk	12 months/yr	Heated Only

This section shows the assumptions of space type that are used for calculating the benchmarks for your building. If an assumption is incorrect, please contact your energy advisor and they will assist you in updating it in the B3 software.

## Oshkosh Area School District

1,857,833 Gross Bldg SF

### Participating Sites

The sites listed below were provided for inclusion in the Focus on Energy School Benchmarking Initiative. Actual kBtu/SF is calculated using utility bill information. Benchmark kBtu/SF is calculated using a representative energy model that predicts how much energy a site would use if it were built to current energy code.

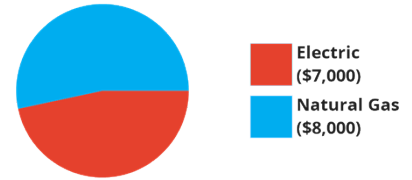
Name	Gross SF	Actual kBtu/SF	Benchmark kBtu/SF	Actual over Benchmark	Annual Pot. Savings	B3 Benchmark
ADMINISTRATION OFFICE	16,260	74.64	62.08		\$8,000	★ ★ ☆ ☆ ☆
Webster Stanley Elementary\Middle School	118,043	49.62	60.69		\$5,000	★ ★ ★ ☆ ☆
Washington Elementary School	33,286	66.10	81.35		-	★ ★ ★ ☆ ☆
Recreation Department	29,700	47.48	62.17		\$2,000	★ ★ ★ ☆ ☆
West High School	341,470	66.04	86.84		-	★ ★ ★ ☆ ☆
Oakwood Elementary School	51,916	49.35	69.93		-	★ ★ ★ ★ ☆
South Park Middle School	138,010	42.14	59.97		\$2,000	★ ★ ★ ★ ☆
Roosevelt Elementary School	47,800	48.57	70.46		-	★ ★ ★ ★ ☆
Smith Elementary School	32,687	53.12	77.12		-	★ ★ ★ ★ ☆
Franklin Elementary School	50,455	47.61	70.11		-	★ ★ ★ ★ ☆
Merrill Elementary\Middle School	166,941	42.63	64.23		-	★ ★ ★ ★ ☆
North High School	309,000	49.48	76.59		-	★ ★ ★ ★ ☆
E Cook Elementary School	30,598	45.91	77.61		-	★ ★ ★ ★ ☆
Read Elementary School	51,075	40.78	70.03		-	★ ★ ★ ★ ☆
Lakeside Elementary School	42,144	40.23	71.31		-	★ ★ ★ ★ ☆
Traeger Elementary\Middle School	194,288	37.48	69.80		-	★ ★ ★ ★ ★
Shapiro STEM Academy	63,000	35.55	68.80		-	★ ★ ★ ★ ★
Jefferson Elementary School	53,600	29.51	69.74		-	★ ★ ★ ★ ★
Tipler Middle School	87,560	31.67	74.47		-	★ ★ ★ ★ ★

## Energy Savings Opportunities

88 % of the potential savings (\$15,000/yr) comes from 3 sites.

- ADMINISTRATION OFFICE (\$8,000)
- Webster Stanley Elementary\Middle School (\$5,000)
- Recreation Department (\$2,000)

### Improvement Potential by Fuel Source



Even if some or all sites indicate no savings potential compared to code, there's always room for savings. Contact your energy advisor to discuss savings opportunities for your sites.

Oshkosh Area School District  
**ADMINISTRATION OFFICE**  
215 S. Eagle Street  
Oshkosh, WI 54902

Built 1990  
**16,260 Gross Bldg SF**  
1 electric meter  
1 natural gas meter

### B3 Benchmark



This site is using slightly more energy than the B3 Benchmark.

### B3 Peer Rating

**43**

This site is ranked in the lower 43rd percentile amongst 63 similar sites.

### ENERGY STAR<sup>®</sup> Score

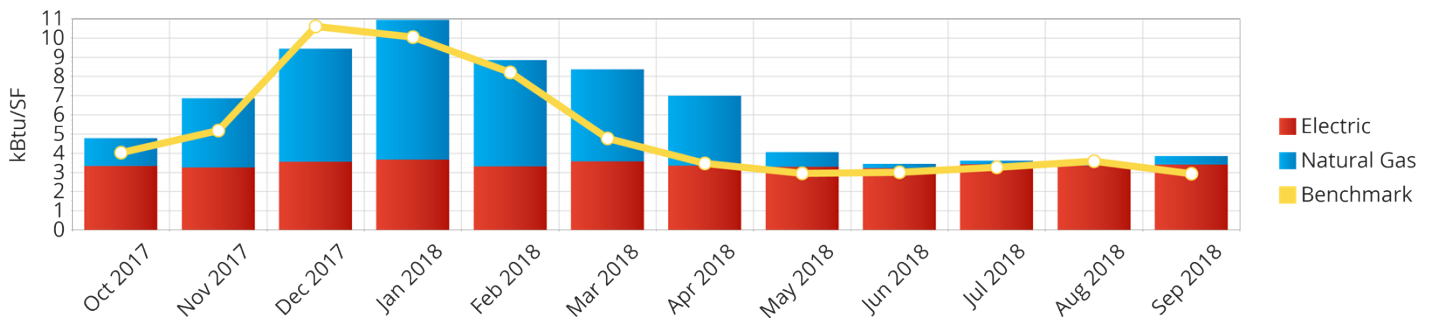


**31**

This site has received an ENERGY STAR score of 31.

## Monthly Consumption Compared to Benchmark

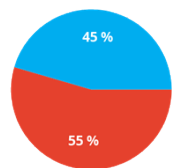
Actual consumption compared to the modeled benchmark by month.



## Consumption by Energy Source Type

Actual consumption and cost broken out by the various energy source types.

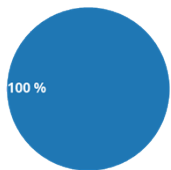
	Total Usage	Usage/SF	kBtu	kBtu/SF	Energy Cost	\$/SF
Electric	193,942 kWh	11.93 kWh	661,730	40.70	\$19,530	\$1.20
Natural Gas	5,520 Therms	0.34 Therms	551,992	33.95	\$3,056	\$0.19
<b>Total</b>			<b>1,213,722</b>	<b>74.64</b>	<b>\$22,586</b>	<b>\$1.39</b>



Using period October 2017 to September 2018

## Building Details

The building has been set up with the following high-level space usage and operation assumptions. Refinements can be made to these details by logging in to B3 Benchmarking or by contacting your energy advisor.



**Office**      9 hrs/day      5 days/wk      12 months/yr      Heated And Cooled

Oshkosh Area School District  
**E Cook Elementary School**  
1600 Hazel St  
Oshkosh, WI 54901

Built 1955  
**30,598 Gross Bldg SF**  
1 electric meter  
1 natural gas meter

**B3 Benchmark**



This site is using significantly less energy than the B3 Benchmark.

**B3 Peer Rating**

**92**

This site is ranked in the upper 92nd percentile amongst 301 similar sites.

**ENERGY STAR<sup>®</sup> Score**

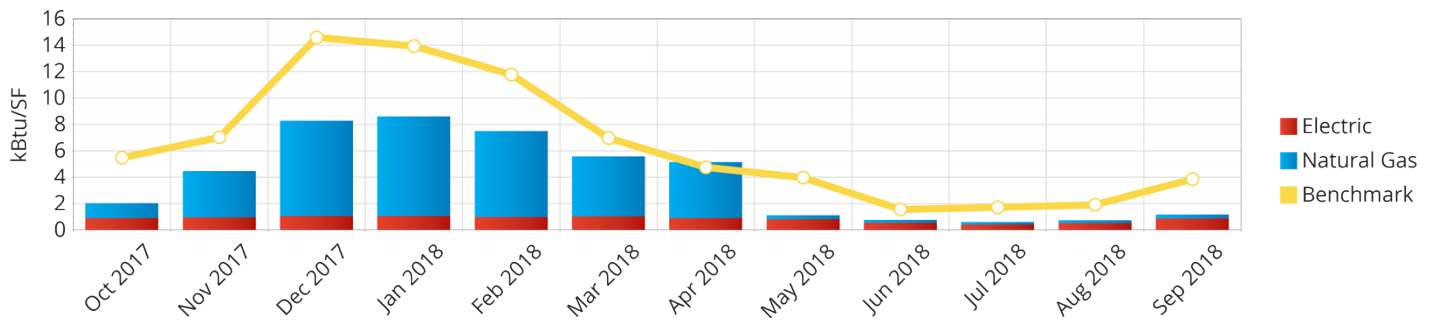


**91**

This site has received an ENERGY STAR score of 91

**Monthly Consumption Compared to Benchmark**

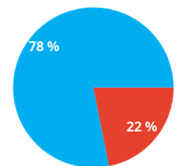
Actual consumption compared to the modeled benchmark by month.



**Consumption by Energy Source Type**

Actual consumption and cost broken out by the various energy source types.

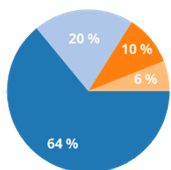
	Total Usage	Usage/SF	kBtu	kBtu/SF	Energy Cost	\$/SF
Electric	90,062 kWh	2.94 kWh	307,291	10.04	\$10,086	\$0.33
Natural Gas	10,975 Therms	0.36 Therms	1,097,456	35.87	\$5,639	\$0.18
<b>Total</b>			<b>1,404,747</b>	<b>45.91</b>	<b>\$15,725</b>	<b>\$0.51</b>



Using period October 2017 to September 2018

**Building Details**

The building has been set up with the following high-level space usage and operation assumptions. Refinements can be made to these details by logging in to B3 Benchmarking or by contacting your energy advisor.



<b>Classrooms</b>	8 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
<b>Office</b>	9 hrs/day	5 days/wk	12 months/yr	Heated And Cooled
<b>Gymnasium</b>	8 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
<b>Dining</b>	14 hrs/day	5 days/wk	9 months/yr	Heated And Cooled



Oshkosh Area School District  
**Franklin Elementary School**  
1401 W 5th Ave  
Oshkosh, WI 54902

Built 1995  
**50,455 Gross Bldg SF**  
1 electric meter  
1 natural gas meter

**B3 Benchmark**



This site is using significantly less energy than the B3 Benchmark.

**B3 Peer Rating**

**83**

This site is ranked in the upper 83rd percentile amongst 301 similar sites.

**ENERGY STAR<sup>®</sup> Score**

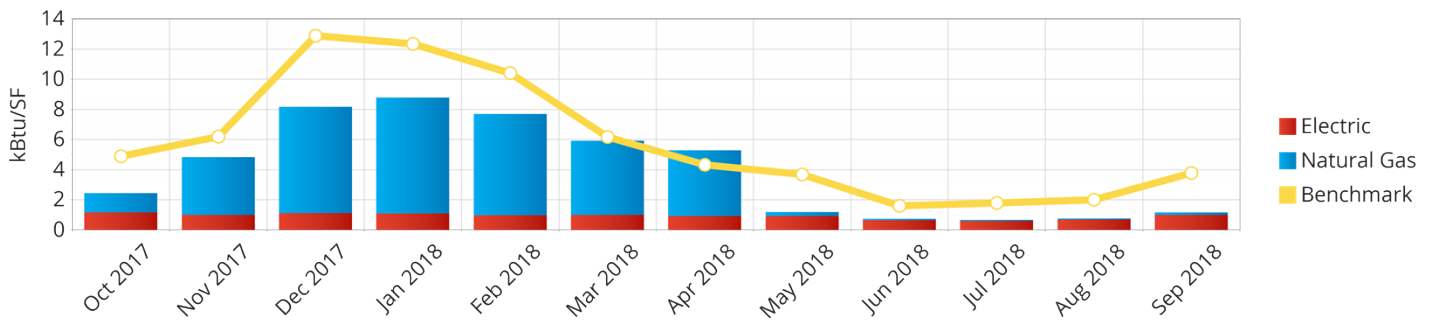


**77**

This site has received an ENERGY STAR score of 77

**Monthly Consumption Compared to Benchmark**

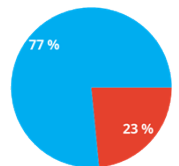
Actual consumption compared to the modeled benchmark by month.



**Consumption by Energy Source Type**

Actual consumption and cost broken out by the various energy source types.

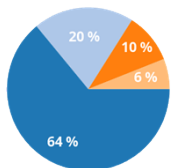
	Total Usage	Usage/SF	kBtu	kBtu/SF	Energy Cost	\$/SF
Electric	165,116 kWh	3.27 kWh	563,375	11.17	\$18,429	\$0.37
Natural Gas	18,388 Therms	0.36 Therms	1,838,785	36.44	\$9,123	\$0.18
<b>Total</b>			<b>2,402,160</b>	<b>47.61</b>	<b>\$27,551</b>	<b>\$0.55</b>



Using period October 2017 to September 2018

**Building Details**

The building has been set up with the following high-level space usage and operation assumptions. Refinements can be made to these details by logging in to B3 Benchmarking or by contacting your energy advisor.



Space Type	Hours/day	Days/wk	Months/yr	Heating/Cooling
<b>Classrooms</b>	8 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
<b>Office</b>	9 hrs/day	5 days/wk	12 months/yr	Heated And Cooled
<b>Gymnasium</b>	8 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
<b>Dining</b>	14 hrs/day	5 days/wk	9 months/yr	Heated And Cooled

Oshkosh Area School District  
**Jefferson Elementary School**  
244 W 11th Ave  
Oshkosh, WI 54902

Built 1995  
**53,600 Gross Bldg SF**  
1 electric meter  
1 natural gas meter

### B3 Benchmark



This site is using significantly less energy than the B3 Benchmark.

### B3 Peer Rating

**97**

This site is ranked in the upper 97th percentile amongst 299 similar sites.

### ENERGY STAR<sup>®</sup> Score

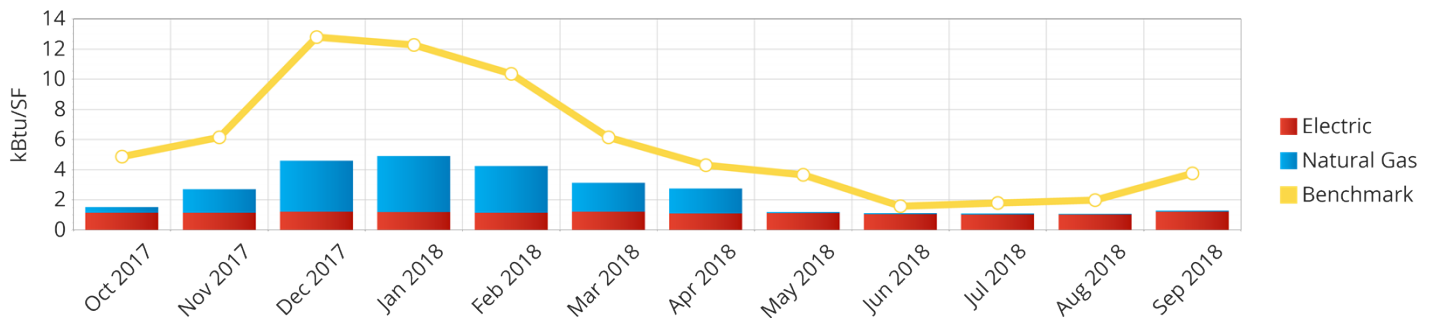


**94**

This site has received an ENERGY STAR score of 94

## Monthly Consumption Compared to Benchmark

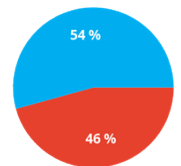
Actual consumption compared to the modeled benchmark by month.



## Consumption by Energy Source Type

Actual consumption and cost broken out by the various energy source types.

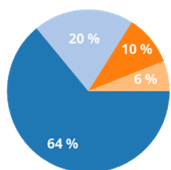
	Total Usage	Usage/SF	kBtu	kBtu/SF	Energy Cost	\$/SF
Electric	211,941 kWh	3.95 kWh	723,143	13.49	\$25,856	\$0.48
Natural Gas	8,586 Therms	0.16 Therms	858,601	16.02	\$4,665	\$0.09
<b>Total</b>			<b>1,581,744</b>	<b>29.51</b>	<b>\$30,521</b>	<b>\$0.57</b>



Using period October 2017 to September 2018

## Building Details

The building has been set up with the following high-level space usage and operation assumptions. Refinements can be made to these details by logging in to B3 Benchmarking or by contacting your energy advisor.



Space Type	Hours/day	Days/wk	Months/yr	Heating/Cooling
<b>Classrooms</b>	8 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
<b>Office</b>	9 hrs/day	5 days/wk	12 months/yr	Heated And Cooled
<b>Gymnasium</b>	8 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
<b>Dining</b>	14 hrs/day	5 days/wk	9 months/yr	Heated And Cooled

Oshkosh Area School District  
**Lakeside Elementary School**  
4991 S US Highway 45  
Oshkosh, WI 54902

Built 1995  
**42,144 Gross Bldg SF**  
1 electric meter  
1 natural gas meter

### B3 Benchmark



This site is using significantly less energy than the B3 Benchmark.

### B3 Peer Rating

**92**

This site is ranked in the upper 92nd percentile amongst 301 similar sites.

### ENERGY STAR<sup>®</sup> Score

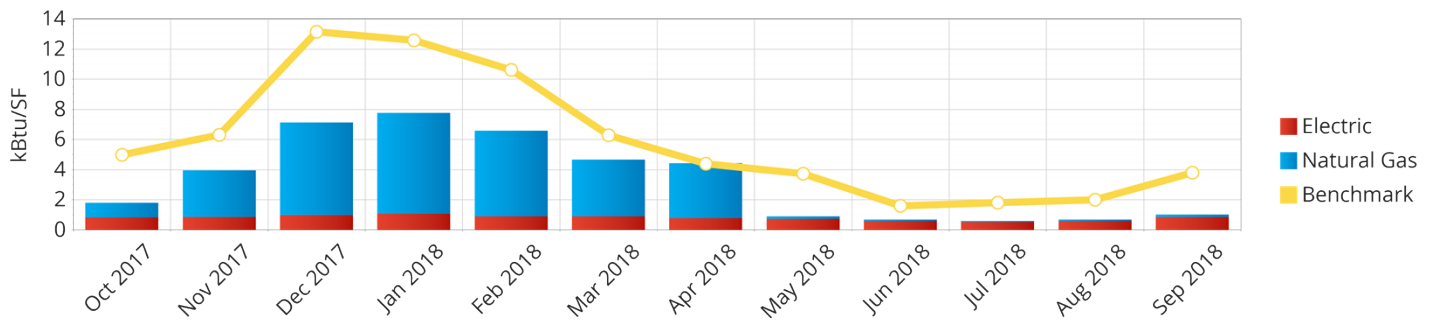


**87**

This site has received an ENERGY STAR score of 87

## Monthly Consumption Compared to Benchmark

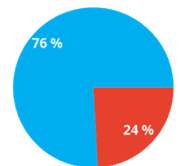
Actual consumption compared to the modeled benchmark by month.



## Consumption by Energy Source Type

Actual consumption and cost broken out by the various energy source types.

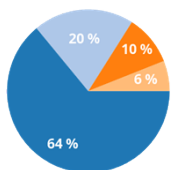
	Total Usage	Usage/SF	kBtu	kBtu/SF	Energy Cost	\$/SF
Electric	119,803 kWh	2.84 kWh	408,767	9.70	\$12,717	\$0.30
Natural Gas	12,868 Therms	0.31 Therms	1,286,779	30.53	\$6,547	\$0.16
<b>Total</b>			<b>1,695,546</b>	<b>40.23</b>	<b>\$19,263</b>	<b>\$0.46</b>



Using period October 2017 to September 2018

## Building Details

The building has been set up with the following high-level space usage and operation assumptions. Refinements can be made to these details by logging in to B3 Benchmarking or by contacting your energy advisor.



Space Type	Hours/day	Days/wk	Months/yr	Heating/Cooling
<b>Classrooms</b>	8 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
<b>Office</b>	9 hrs/day	5 days/wk	12 months/yr	Heated And Cooled
<b>Gymnasium</b>	8 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
<b>Dining</b>	14 hrs/day	5 days/wk	9 months/yr	Heated And Cooled

Oshkosh Area School District  
**Merrill Elementary\Middle School**  
108 W New York Ave  
Oshkosh, WI 54901

Built 1995  
**166,941 Gross Bldg SF**  
1 electric meter  
1 natural gas meter

**B3 Benchmark**



This site is using significantly less energy than the B3 Benchmark.

**B3 Peer Rating**

**86**

This site is ranked in the upper 86th percentile amongst 301 similar sites.

**ENERGY STAR<sup>®</sup> Score**

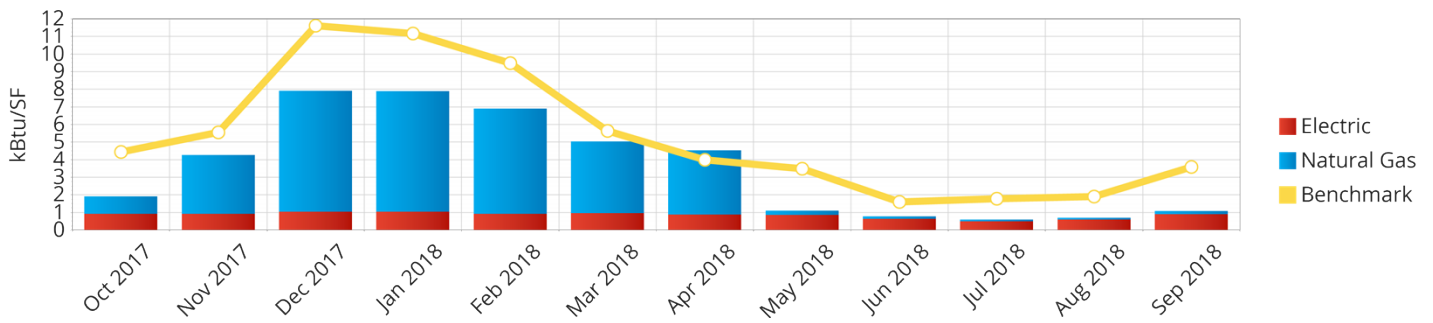


**84**

This site has received an ENERGY STAR score of 84

**Monthly Consumption Compared to Benchmark**

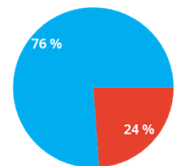
Actual consumption compared to the modeled benchmark by month.



**Consumption by Energy Source Type**

Actual consumption and cost broken out by the various energy source types.

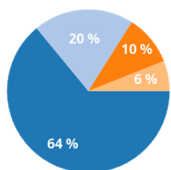
	Total Usage	Usage/SF	kBtu	kBtu/SF	Energy Cost	\$/SF
Electric	497,768 kWh	2.98 kWh	1,698,384	10.17	\$49,807	\$0.30
Natural Gas	54,180 Therms	0.32 Therms	5,418,016	32.45	\$27,073	\$0.16
<b>Total</b>			<b>7,116,400</b>	<b>42.63</b>	<b>\$76,879</b>	<b>\$0.46</b>



Using period October 2017 to September 2018

**Building Details**

The building has been set up with the following high-level space usage and operation assumptions. Refinements can be made to these details by logging in to B3 Benchmarking or by contacting your energy advisor.



<b>Classrooms</b>	8 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
<b>Office</b>	9 hrs/day	5 days/wk	12 months/yr	Heated And Cooled
<b>Gymnasium</b>	8 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
<b>Dining</b>	14 hrs/day	5 days/wk	9 months/yr	Heated And Cooled

Oshkosh Area School District  
**North High School**  
1100 W Smith Ave  
Oshkosh, WI 54901

Built 1995  
**309,000 Gross Bldg SF**  
1 electric meter  
1 natural gas meter

### B3 Benchmark



This site is using significantly less energy than the B3 Benchmark.

### B3 Peer Rating

**65**

This site is ranked in the upper 65th percentile amongst 483 similar sites.

### ENERGY STAR<sup>®</sup> Score

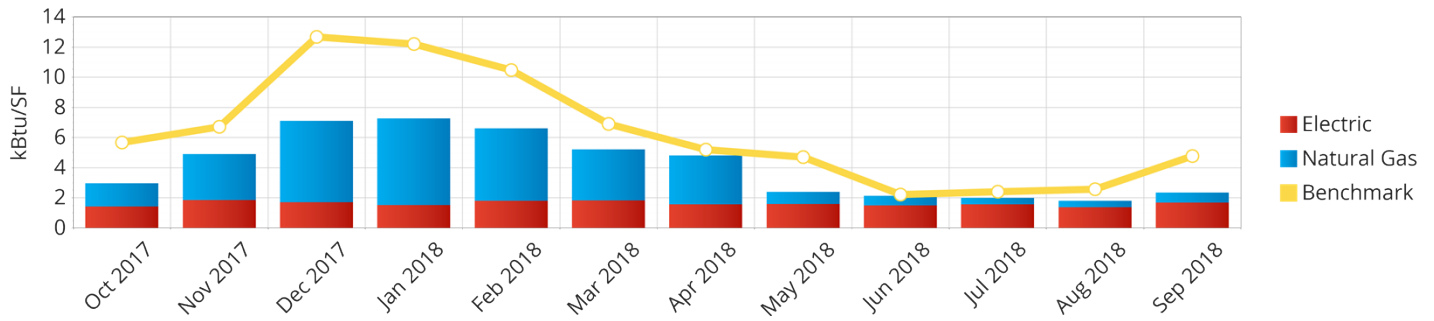


**88**

This site has received an ENERGY STAR score of 88

## Monthly Consumption Compared to Benchmark

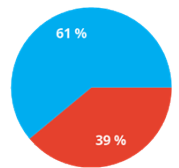
Actual consumption compared to the modeled benchmark by month.



## Consumption by Energy Source Type

Actual consumption and cost broken out by the various energy source types.

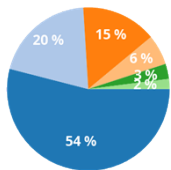
	Total Usage	Usage/SF	kBtu	kBtu/SF	Energy Cost	\$/SF
Electric	1,746,545 kWh	5.65 kWh	5,959,212	19.29	\$183,088	\$0.59
Natural Gas	93,295 Therms	0.30 Therms	9,329,535	30.19	\$43,996	\$0.14
<b>Total</b>			<b>15,288,748</b>	<b>49.48</b>	<b>\$227,084</b>	<b>\$0.73</b>



Using period October 2017 to September 2018

## Building Details

The building has been set up with the following high-level space usage and operation assumptions. Refinements can be made to these details by logging in to B3 Benchmarking or by contacting your energy advisor.



Space Type	Hours/day	Days/wk	Months/yr	Heating/Cooling
<b>Classrooms</b>	8 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
<b>Office</b>	9 hrs/day	5 days/wk	12 months/yr	Heated And Cooled
<b>Gymnasium</b>	8 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
<b>Dining</b>	14 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
<b>Educational Laboratory</b>	10 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
<b>Kitchen</b>	14 hrs/day	5 days/wk	9 months/yr	Heated And Cooled

Oshkosh Area School District  
**Oakwood Elementary School**  
1225 N Oakwood Rd  
Oshkosh, WI 54904

Built 1995  
**51,916 Gross Bldg SF**  
1 electric meter  
1 natural gas meter

### B3 Benchmark



This site is using significantly less energy than the B3 Benchmark.

### B3 Peer Rating

**76**

This site is ranked in the upper 76th percentile amongst 301 similar sites.

### ENERGY STAR<sup>®</sup> Score

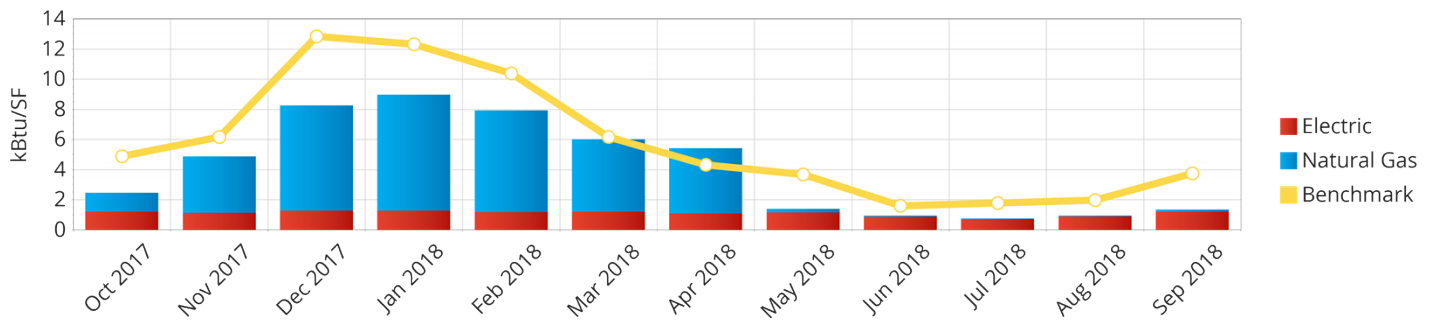


**76**

This site has received an ENERGY STAR score of 76

## Monthly Consumption Compared to Benchmark

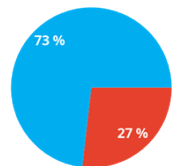
Actual consumption compared to the modeled benchmark by month.



## Consumption by Energy Source Type

Actual consumption and cost broken out by the various energy source types.

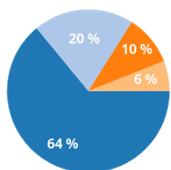
	Total Usage	Usage/SF	kBtu	kBtu/SF	Energy Cost	\$/SF
Electric	201,359 kWh	3.88 kWh	687,038	13.23	\$20,207	\$0.39
Natural Gas	18,751 Therms	0.36 Therms	1,875,053	36.12	\$9,361	\$0.18
<b>Total</b>			<b>2,562,091</b>	<b>49.35</b>	<b>\$29,568</b>	<b>\$0.57</b>



Using period October 2017 to September 2018

## Building Details

The building has been set up with the following high-level space usage and operation assumptions. Refinements can be made to these details by logging in to B3 Benchmarking or by contacting your energy advisor.



Space Type	Hours/day	Days/wk	Months/yr	Heating/Cooling
<b>Classrooms</b>	8 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
<b>Office</b>	9 hrs/day	5 days/wk	12 months/yr	Heated And Cooled
<b>Gymnasium</b>	8 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
<b>Dining</b>	14 hrs/day	5 days/wk	9 months/yr	Heated And Cooled

Oshkosh Area School District  
**Read Elementary School**  
1120 Algoma Blvd  
Oshkosh, WI 54901

Built 1995  
**51,075 Gross Bldg SF**  
1 electric meter  
1 natural gas meter

**B3 Benchmark**



This site is using significantly less energy than the B3 Benchmark.

**B3 Peer Rating**

**92**

This site is ranked in the upper 92nd percentile amongst 301 similar sites.

**ENERGY STAR<sup>®</sup> Score**

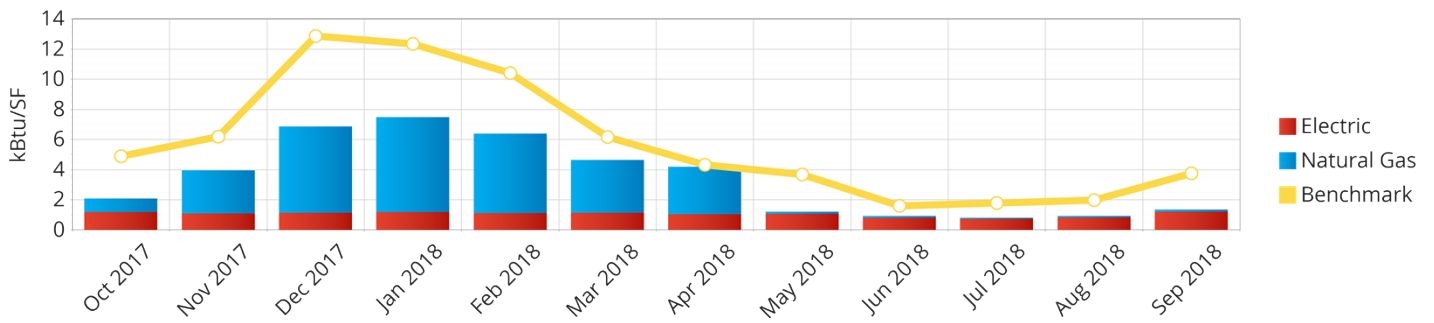


**86**

This site has received an ENERGY STAR score of 86

**Monthly Consumption Compared to Benchmark**

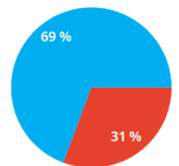
Actual consumption compared to the modeled benchmark by month.



**Consumption by Energy Source Type**

Actual consumption and cost broken out by the various energy source types.

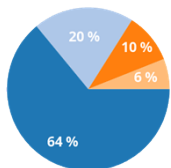
	Total Usage	Usage/SF	kBtu	kBtu/SF	Energy Cost	\$/SF
Electric	187,371 kWh	3.67 kWh	639,310	12.52	\$18,894	\$0.37
Natural Gas	14,436 Therms	0.28 Therms	1,443,620	28.26	\$7,268	\$0.14
<b>Total</b>			<b>2,082,930</b>	<b>40.78</b>	<b>\$26,162</b>	<b>\$0.51</b>



Using period October 2017 to September 2018

**Building Details**

The building has been set up with the following high-level space usage and operation assumptions. Refinements can be made to these details by logging in to B3 Benchmarking or by contacting your energy advisor.



<b>Classrooms</b>	8 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
<b>Office</b>	9 hrs/day	5 days/wk	12 months/yr	Heated And Cooled
<b>Gymnasium</b>	8 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
<b>Dining</b>	14 hrs/day	5 days/wk	9 months/yr	Heated And Cooled

Oshkosh Area School District  
**Recreation Department**  
425 Division Street  
Oshkosh, WI 54901

Built 1995  
**29,700 Gross Bldg SF**  
1 electric meter  
1 natural gas meter

**B3 Benchmark**



This site is using slightly less energy than the B3 Benchmark.

**B3 Peer Rating**

**86**

This site is ranked in the upper 86th percentile amongst 63 similar sites.

**ENERGY STAR<sup>®</sup> Score**

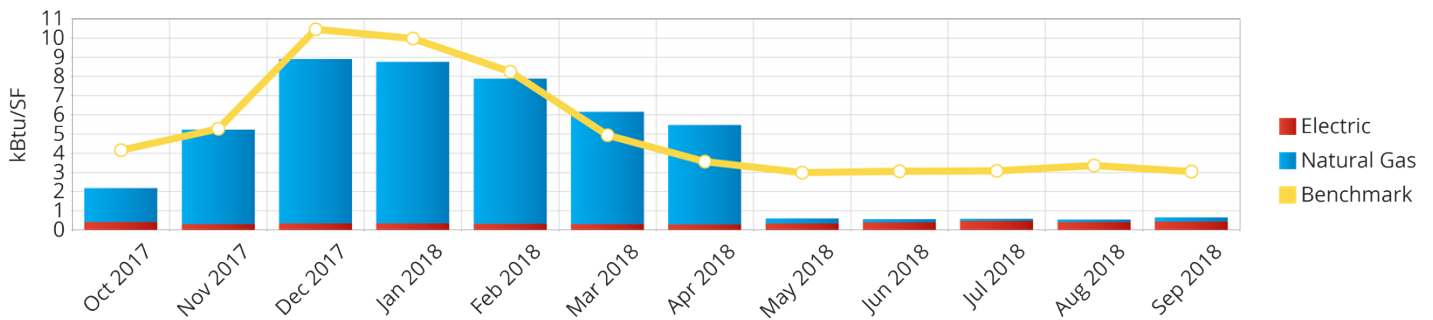


**91**

This site has received an ENERGY STAR score of 91

**Monthly Consumption Compared to Benchmark**

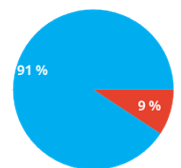
Actual consumption compared to the modeled benchmark by month.



**Consumption by Energy Source Type**

Actual consumption and cost broken out by the various energy source types.

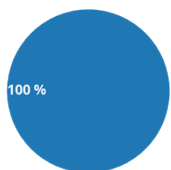
	Total Usage	Usage/SF	kBtu	kBtu/SF	Energy Cost	\$/SF
Electric	38,244 kWh	1.29 kWh	130,487	4.39	\$4,486	\$0.15
Natural Gas	12,796 Therms	0.43 Therms	1,279,624	43.08	\$6,639	\$0.22
<b>Total</b>			<b>1,410,112</b>	<b>47.48</b>	<b>\$11,126</b>	<b>\$0.37</b>



Using period October 2017 to September 2018

**Building Details**

The building has been set up with the following high-level space usage and operation assumptions. Refinements can be made to these details by logging in to B3 Benchmarking or by contacting your energy advisor.



**Office**      9 hrs/day      5 days/wk      12 months/yr      Heated And Cooled



Oshkosh Area School District  
**Roosevelt Elementary School**  
910 N Sawyer St  
Oshkosh, WI 54902

Built 1995  
**47,800 Gross Bldg SF**  
1 electric meter  
1 natural gas meter

### B3 Benchmark



This site is using significantly less energy than the B3 Benchmark.

### B3 Peer Rating

**81**

This site is ranked in the upper 81st percentile amongst 299 similar sites.

### ENERGY STAR<sup>®</sup> Score

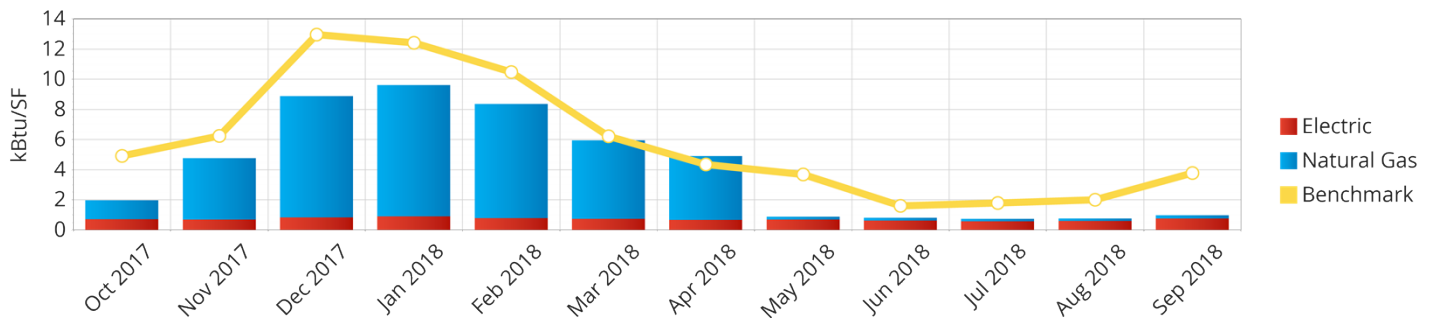


**87**

This site has received an ENERGY STAR score of 87

## Monthly Consumption Compared to Benchmark

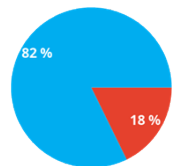
Actual consumption compared to the modeled benchmark by month.



## Consumption by Energy Source Type

Actual consumption and cost broken out by the various energy source types.

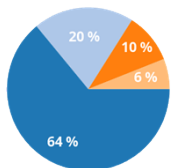
	Total Usage	Usage/SF	kBtu	kBtu/SF	Energy Cost	\$/SF
Electric	120,723 kWh	2.53 kWh	411,908	8.62	\$12,811	\$0.27
Natural Gas	19,097 Therms	0.40 Therms	1,909,681	39.95	\$10,509	\$0.22
<b>Total</b>			<b>2,321,588</b>	<b>48.57</b>	<b>\$23,320</b>	<b>\$0.49</b>



Using period October 2017 to September 2018

## Building Details

The building has been set up with the following high-level space usage and operation assumptions. Refinements can be made to these details by logging in to B3 Benchmarking or by contacting your energy advisor.



Space Type	Hours/day	Days/wk	Months/yr	Heating/Cooling
<b>Classrooms</b>	8 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
<b>Office</b>	9 hrs/day	5 days/wk	12 months/yr	Heated And Cooled
<b>Gymnasium</b>	8 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
<b>Dining</b>	14 hrs/day	5 days/wk	9 months/yr	Heated And Cooled

Oshkosh Area School District  
**Shapiro STEM Academy**  
1050 W 18th Ave  
Oshkosh, WI 54902

Built 1995  
**63,000 Gross Bldg SF**  
1 electric meter  
1 natural gas meter

**B3 Benchmark**



This site is using significantly less energy than the B3 Benchmark.

**B3 Peer Rating**

**95**

This site is ranked in the upper 95th percentile amongst 299 similar sites.

**ENERGY STAR<sup>®</sup> Score**

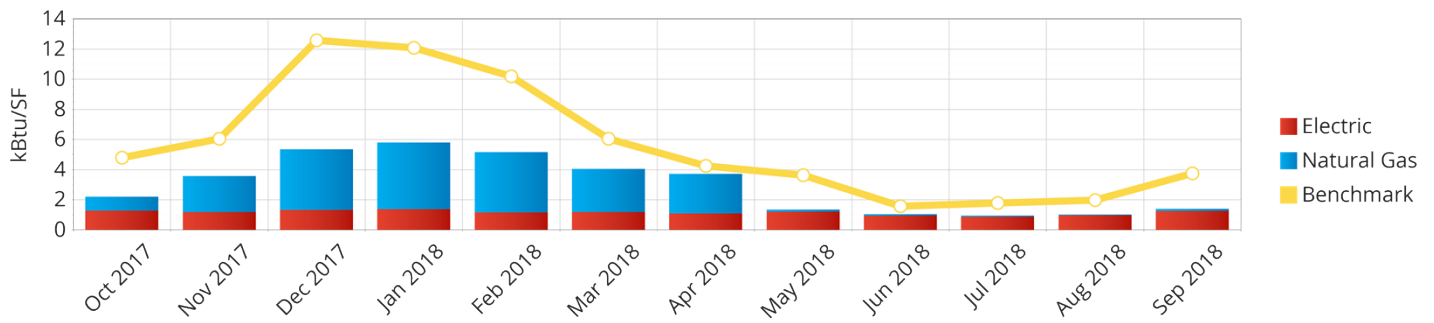


**91**

This site has received an ENERGY STAR score of 91.

**Monthly Consumption Compared to Benchmark**

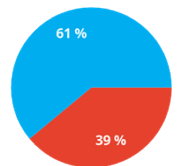
Actual consumption compared to the modeled benchmark by month.



**Consumption by Energy Source Type**

Actual consumption and cost broken out by the various energy source types.

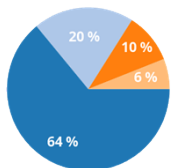
	Total Usage	Usage/SF	kBtu	kBtu/SF	Energy Cost	\$/SF
Electric	255,872 kWh	4.06 kWh	873,036	13.86	\$31,534	\$0.50
Natural Gas	13,669 Therms	0.22 Therms	1,366,873	21.70	\$6,918	\$0.11
<b>Total</b>			<b>2,239,909</b>	<b>35.55</b>	<b>\$38,452</b>	<b>\$0.61</b>



Using period October 2017 to September 2018

**Building Details**

The building has been set up with the following high-level space usage and operation assumptions. Refinements can be made to these details by logging in to B3 Benchmarking or by contacting your energy advisor.



Space Type	Hours/day	Days/wk	Months/yr	Heating/Cooling
<b>Classrooms</b>	8 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
<b>Office</b>	9 hrs/day	5 days/wk	12 months/yr	Heated And Cooled
<b>Gymnasium</b>	8 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
<b>Dining</b>	14 hrs/day	5 days/wk	9 months/yr	Heated And Cooled

Oshkosh Area School District  
**Smith Elementary School**  
1745 Oregon St  
Oshkosh, WI 54902

Built 1995  
**32,687 Gross Bldg SF**  
1 electric meter  
1 natural gas meter

### B3 Benchmark



This site is using significantly less energy than the B3 Benchmark.

### B3 Peer Rating

**81**

This site is ranked in the upper 81st percentile amongst 301 similar sites.

### ENERGY STAR<sup>®</sup> Score

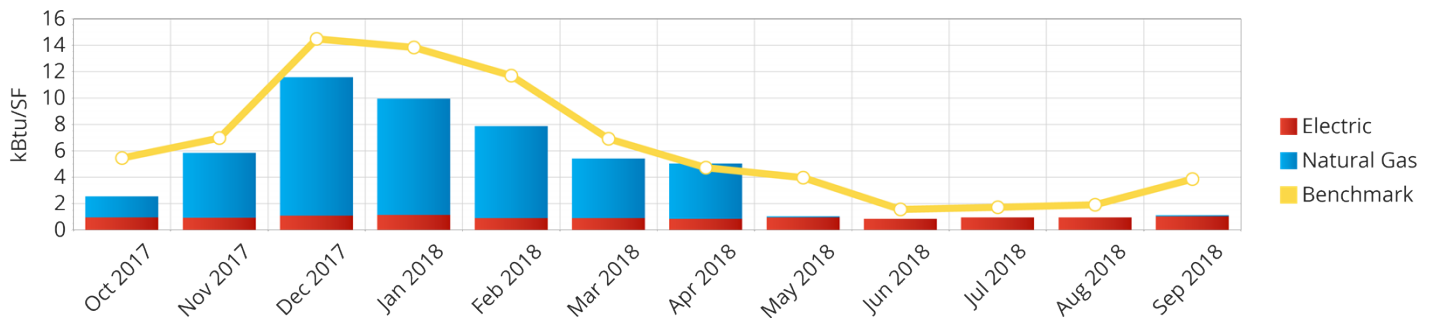


**76**

This site has received an ENERGY STAR score of 76

## Monthly Consumption Compared to Benchmark

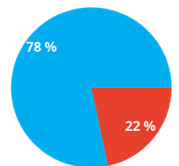
Actual consumption compared to the modeled benchmark by month.



## Consumption by Energy Source Type

Actual consumption and cost broken out by the various energy source types.

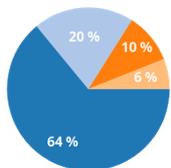
	Total Usage	Usage/SF	kBtu	kBtu/SF	Energy Cost	\$/SF
Electric	110,303 kWh	3.37 kWh	376,352	11.51	\$11,763	\$0.36
Natural Gas	13,599 Therms	0.42 Therms	1,359,916	41.60	\$7,010	\$0.21
<b>Total</b>			<b>1,736,269</b>	<b>53.12</b>	<b>\$18,773</b>	<b>\$0.57</b>



Using period October 2017 to September 2018

## Building Details

The building has been set up with the following high-level space usage and operation assumptions. Refinements can be made to these details by logging in to B3 Benchmarking or by contacting your energy advisor.



Space Type	Hours/day	Days/wk	Months/yr	Heating/Cooling
<b>Classrooms</b>	8 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
<b>Office</b>	9 hrs/day	5 days/wk	12 months/yr	Heated And Cooled
<b>Gymnasium</b>	8 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
<b>Dining</b>	14 hrs/day	5 days/wk	9 months/yr	Heated And Cooled

Oshkosh Area School District  
**South Park Middle School**  
1551 Delaware St  
Oshkosh, WI 54902

Built 1904  
**138,010 Gross Bldg SF**  
1 electric meter  
1 natural gas meter

**B3 Benchmark**



This site is using significantly less energy than the B3 Benchmark.

**B3 Peer Rating**

**76**

This site is ranked in the upper 76th percentile amongst 301 similar sites.

**ENERGY STAR<sup>®</sup> Score**

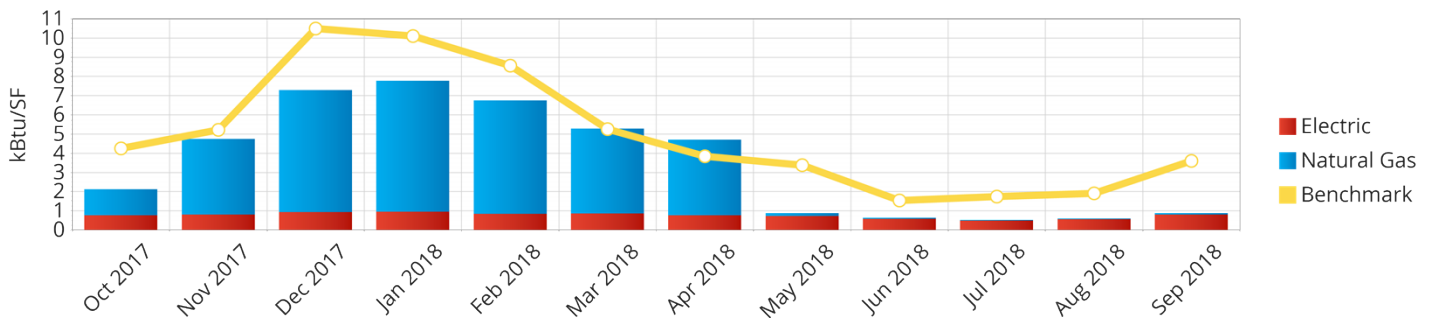


**81**

This site has received an ENERGY STAR score of 81

**Monthly Consumption Compared to Benchmark**

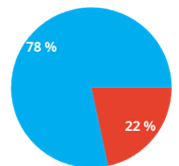
Actual consumption compared to the modeled benchmark by month.



**Consumption by Energy Source Type**

Actual consumption and cost broken out by the various energy source types.

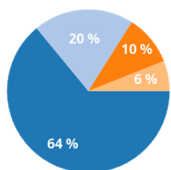
	Total Usage	Usage/SF	kBtu	kBtu/SF	Energy Cost	\$/SF
Electric	368,910 kWh	2.67 kWh	1,258,722	9.12	\$36,508	\$0.26
Natural Gas	45,568 Therms	0.33 Therms	4,556,782	33.02	\$22,196	\$0.16
<b>Total</b>			<b>5,815,505</b>	<b>42.14</b>	<b>\$58,704</b>	<b>\$0.43</b>



Using period October 2017 to September 2018

**Building Details**

The building has been set up with the following high-level space usage and operation assumptions. Refinements can be made to these details by logging in to B3 Benchmarking or by contacting your energy advisor.



<b>Classrooms</b>	8 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
<b>Office</b>	9 hrs/day	5 days/wk	12 months/yr	Heated And Cooled
<b>Gymnasium</b>	8 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
<b>Dining</b>	14 hrs/day	5 days/wk	9 months/yr	Cooled Only

Oshkosh Area School District  
**Tipler Middle School**  
325 S Eagle St  
Oshkosh, WI 54902

Built 1995  
**87,560 Gross Bldg SF**  
1 electric meter  
1 natural gas meter

### B3 Benchmark



This site is using significantly less energy than the B3 Benchmark.

### B3 Peer Rating

**96**

This site is ranked in the upper 96th percentile amongst 301 similar sites.

### ENERGY STAR<sup>®</sup> Score

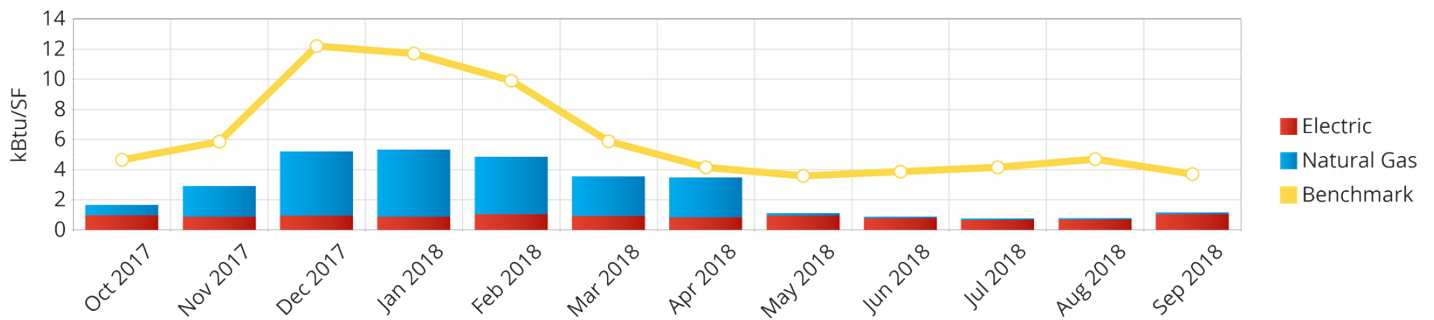


**95**

This site has received an ENERGY STAR score of 95

## Monthly Consumption Compared to Benchmark

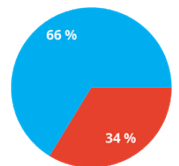
Actual consumption compared to the modeled benchmark by month.



## Consumption by Energy Source Type

Actual consumption and cost broken out by the various energy source types.

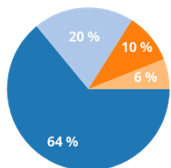
	Total Usage	Usage/SF	kBtu	kBtu/SF	Energy Cost	\$/SF
Electric	274,040 kWh	3.13 kWh	935,024	10.68	\$37,166	\$0.42
Natural Gas	18,378 Therms	0.21 Therms	1,837,779	20.99	\$10,001	\$0.11
<b>Total</b>			<b>2,772,804</b>	<b>31.67</b>	<b>\$47,167</b>	<b>\$0.54</b>



Using period October 2017 to September 2018

## Building Details

The building has been set up with the following high-level space usage and operation assumptions. Refinements can be made to these details by logging in to B3 Benchmarking or by contacting your energy advisor.



Space Type	Hours/day	Days/wk	Months/yr	Heating/Cooling
<b>Classrooms</b>	8 hrs/day	5 days/wk	12 months/yr	Heated And Cooled
<b>Office</b>	9 hrs/day	5 days/wk	12 months/yr	Heated And Cooled
<b>Gymnasium</b>	8 hrs/day	5 days/wk	12 months/yr	Heated And Cooled
<b>Dining</b>	14 hrs/day	5 days/wk	12 months/yr	Heated And Cooled

Oshkosh Area School District  
**Traeger Elementary\Middle School**  
3000 W 20th Ave  
Oshkosh, WI 54904

Built 1995  
**194,288 Gross Bldg SF**  
1 electric meter  
1 natural gas meter

### B3 Benchmark



This site is using significantly less energy than the B3 Benchmark.

### B3 Peer Rating

**88**

This site is ranked in the upper 88th percentile amongst 1,693 similar sites.

### ENERGY STAR<sup>®</sup> Score

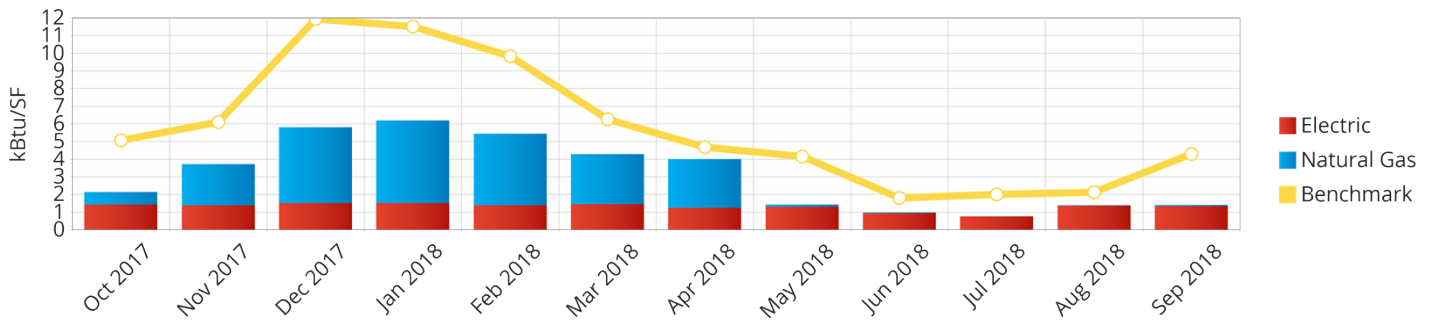


**91**

This site has received an ENERGY STAR score of 91

## Monthly Consumption Compared to Benchmark

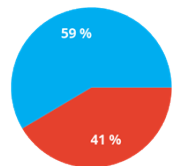
Actual consumption compared to the modeled benchmark by month.



## Consumption by Energy Source Type

Actual consumption and cost broken out by the various energy source types.

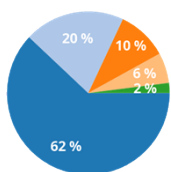
	Total Usage	Usage/SF	kBtu	kBtu/SF	Energy Cost	\$/SF
Electric	885,157 kWh	4.56 kWh	3,020,155	15.54	\$98,458	\$0.51
Natural Gas	42,609 Therms	0.22 Therms	4,260,870	21.93	\$21,028	\$0.11
<b>Total</b>			<b>7,281,026</b>	<b>37.48</b>	<b>\$119,486</b>	<b>\$0.61</b>



Using period October 2017 to September 2018

## Building Details

The building has been set up with the following high-level space usage and operation assumptions. Refinements can be made to these details by logging in to B3 Benchmarking or by contacting your energy advisor.



Room Type	Hours/day	Days/wk	Months/yr	Heating/Cooling
<b>Classrooms</b>	8 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
<b>Office</b>	9 hrs/day	5 days/wk	12 months/yr	Heated And Cooled
<b>Gymnasium</b>	8 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
<b>Dining</b>	14 hrs/day	5 days/wk	9 months/yr	Heated And Cooled
<b>Kitchen</b>	14 hrs/day	5 days/wk	9 months/yr	Heated And Cooled

Oshkosh Area School District

## Washington Elementary School

929 Winnebago Ave  
Oshkosh, WI 54901

Built 1995

**33,286 Gross Bldg SF**

1 electric meter  
1 natural gas meter

### B3 Benchmark



This site is using slightly less energy than the B3 Benchmark.

### B3 Peer Rating

**59**

This site is ranked in the upper 59th percentile amongst 301 similar sites.

### ENERGY STAR<sup>®</sup> Score

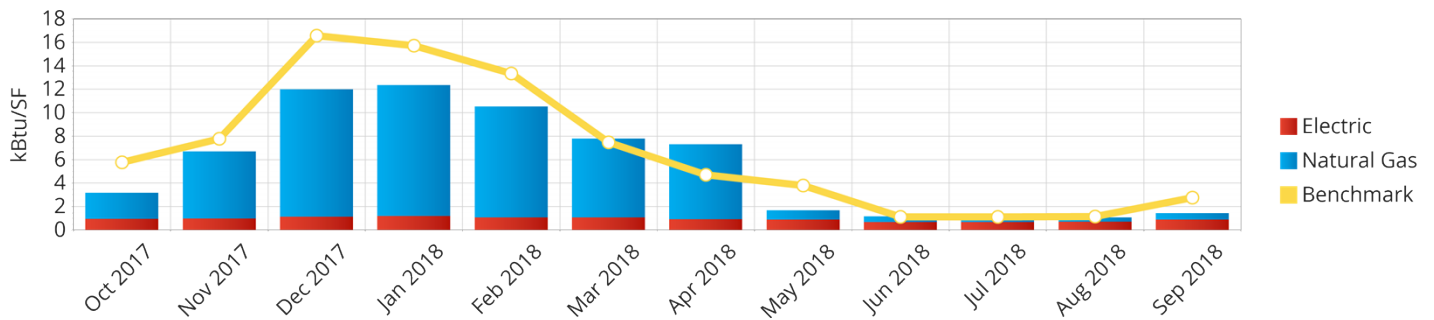


**70**

This site has received an ENERGY STAR score of 70

## Monthly Consumption Compared to Benchmark

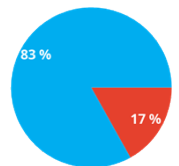
Actual consumption compared to the modeled benchmark by month.



## Consumption by Energy Source Type

Actual consumption and cost broken out by the various energy source types.

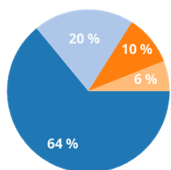
	Total Usage	Usage/SF	kBtu	kBtu/SF	Energy Cost	\$/SF
Electric	108,986 kWh	3.27 kWh	371,859	11.17	\$12,299	\$0.37
Natural Gas	18,283 Therms	0.55 Therms	1,828,314	54.93	\$9,109	\$0.27
<b>Total</b>			<b>2,200,173</b>	<b>66.10</b>	<b>\$21,407</b>	<b>\$0.64</b>



Using period October 2017 to September 2018

## Building Details

The building has been set up with the following high-level space usage and operation assumptions. Refinements can be made to these details by logging in to B3 Benchmarking or by contacting your energy advisor.



Space Type	Hours/day	Days/wk	Months/yr	Heating
<b>Classrooms</b>	8 hrs/day	5 days/wk	9 months/yr	Heated Only
<b>Office</b>	9 hrs/day	5 days/wk	12 months/yr	Heated Only
<b>Gymnasium</b>	8 hrs/day	5 days/wk	9 months/yr	Heated Only
<b>Dining</b>	14 hrs/day	5 days/wk	9 months/yr	Heated Only

Oshkosh Area School District  
**Webster Stanley Elementary\Middle School**  
915 Hazel St  
Oshkosh, WI 54901

Built 1995  
**118,043 Gross Bldg SF**  
1 electric meter  
1 natural gas meter

### B3 Benchmark



This site is using slightly less energy than the B3 Benchmark.

### B3 Peer Rating

**58**

This site is ranked in the upper 58th percentile amongst 301 similar sites.

### ENERGY STAR<sup>®</sup> Score

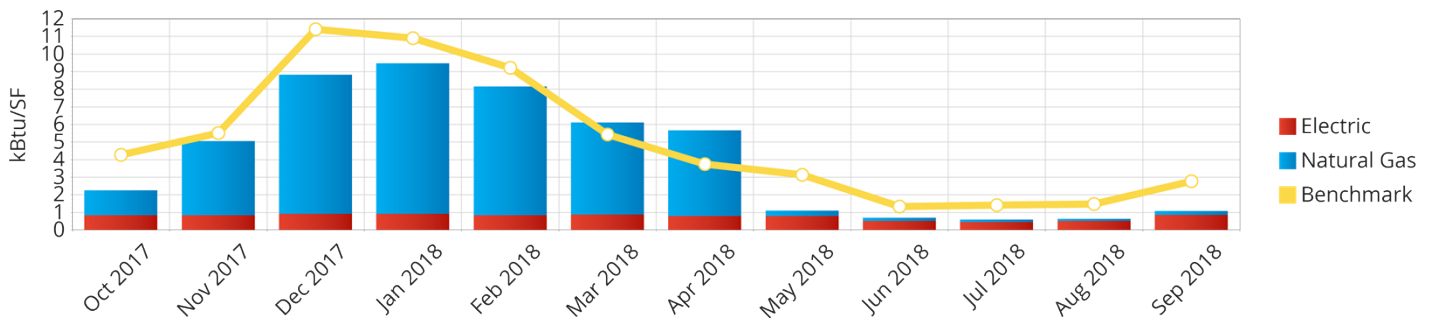


**79**

This site has received an ENERGY STAR score of 79

## Monthly Consumption Compared to Benchmark

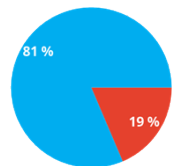
Actual consumption compared to the modeled benchmark by month.



## Consumption by Energy Source Type

Actual consumption and cost broken out by the various energy source types.

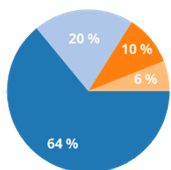
	Total Usage	Usage/SF	kBtu	kBtu/SF	Energy Cost	\$/SF
Electric	319,429 kWh	2.71 kWh	1,089,892	9.23	\$33,380	\$0.28
Natural Gas	47,669 Therms	0.40 Therms	4,766,921	40.38	\$23,496	\$0.20
<b>Total</b>			<b>5,856,812</b>	<b>49.62</b>	<b>\$56,876</b>	<b>\$0.48</b>



Using period October 2017 to September 2018

## Building Details

The building has been set up with the following high-level space usage and operation assumptions. Refinements can be made to these details by logging in to B3 Benchmarking or by contacting your energy advisor.



Space Type	Hours/day	Days/wk	Months/yr	Heating/Cooling
<b>Classrooms</b>	8 hrs/day	5 days/wk	9 months/yr	Heated Only
<b>Office</b>	9 hrs/day	5 days/wk	12 months/yr	Heated And Cooled
<b>Gymnasium</b>	8 hrs/day	5 days/wk	9 months/yr	Heated Only
<b>Dining</b>	14 hrs/day	5 days/wk	9 months/yr	Heated Only



Oshkosh Area School District  
**West High School**  
375 N Eagle St  
Oshkosh, WI 54902

Built 1995  
**341,470 Gross Bldg SF**  
1 electric meter  
1 natural gas meter

### B3 Benchmark



This site is using slightly less energy than the B3 Benchmark.

### B3 Peer Rating

**48**

This site is ranked in the lower 48th percentile amongst 483 similar sites.

### ENERGY STAR<sup>®</sup> Score

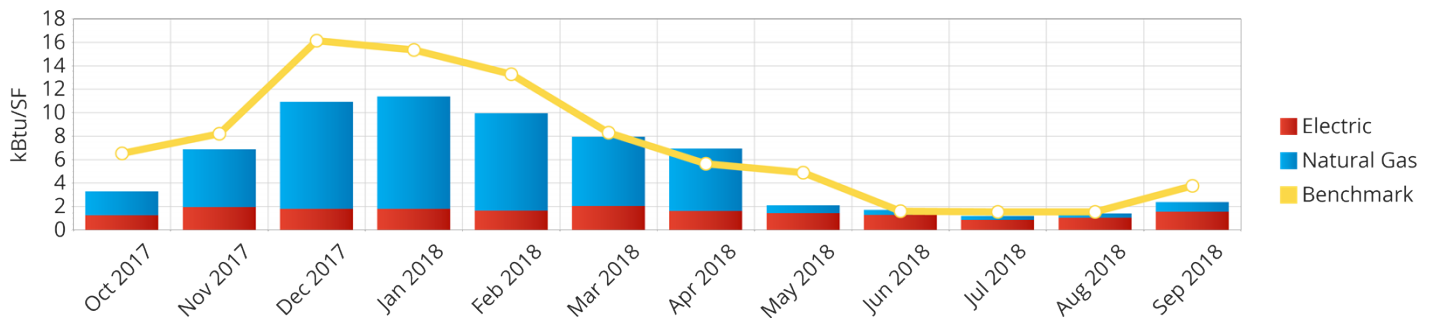


**73**

This site has received an ENERGY STAR score of 73

## Monthly Consumption Compared to Benchmark

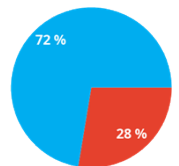
Actual consumption compared to the modeled benchmark by month.



## Consumption by Energy Source Type

Actual consumption and cost broken out by the various energy source types.

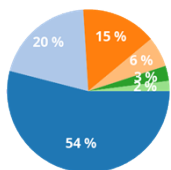
	Total Usage	Usage/SF	kBtu	kBtu/SF	Energy Cost	\$/SF
Electric	1,825,435 kWh	5.35 kWh	6,228,383	18.24	\$168,656	\$0.49
Natural Gas	163,225 Therms	0.48 Therms	16,322,500	47.80	\$74,982	\$0.22
<b>Total</b>			<b>22,550,884</b>	<b>66.04</b>	<b>\$243,638</b>	<b>\$0.71</b>



Using period October 2017 to September 2018

## Building Details

The building has been set up with the following high-level space usage and operation assumptions. Refinements can be made to these details by logging in to B3 Benchmarking or by contacting your energy advisor.



Space Type	Hours/day	Days/wk	Months/yr	Heating
<b>Classrooms</b>	8 hrs/day	5 days/wk	9 months/yr	Heated Only
<b>Office</b>	9 hrs/day	5 days/wk	12 months/yr	Heated Only
<b>Gymnasium</b>	8 hrs/day	5 days/wk	9 months/yr	Heated Only
<b>Dining</b>	14 hrs/day	5 days/wk	9 months/yr	Heated Only
<b>Educational Laboratory</b>	10 hrs/day	5 days/wk	9 months/yr	Heated Only
<b>Kitchen</b>	14 hrs/day	5 days/wk	9 months/yr	Heated Only