



**McLean County Unit District No. 5**  
1809 West Hovey Avenue  
Normal, IL 61761-4339

Office of the Superintendent

Phone: 309.557.4400  
Fax: 309.557.4501

Date: February 7, 2022

RE: KJHS Energy Star Rating

Dear Board of Education,

It is with much excitement that we write to you today to express our many thanks for your support in the area of energy management. Over the past years the Operation Department took on the task of energy conservation for this school district, we accomplished many things one of which we will highlight in this acknowledgment.

In 2015, Kingsley Junior High School (KJHS) was among the worst performing schools in the district as it related to energy consumption. In the 1965 section of the building, 50 year-old mechanical equipment was present, well past its ASHRAE recommended life expectancy. The mechanical systems were loud, straining the voices of teachers, and performed poorly. The building held an Energy Star score of 9, ranking in the bottom 9<sup>th</sup> percentile for efficiency. We took on this objective to improve things at KJHS and with the Board's approval to sell bonds made it possible. With the implementation of geothermal heating and cooling in the 1965 section, and upgrading the controls in the 2002 section, a new "hybrid" system provided tremendous results. KJHS now operates at an optimum level and provides a comfortable learning space for the students, faculty and staff.

As of February 28<sup>th</sup> 2021, KJHS earned an Energy Star Rating greater than 75, certifying the building in the top 25<sup>th</sup> percentile for energy efficiency. Coming from a rating of 9 this is an astounding 57% improvement in performance. What this equates to in actual savings is a whopping \$359,585 as of December 2021, not to mention the comfort level and ability to control a system that was once out of control. KJHS is the fourth of our six largest buildings to achieve energy star, Evans Jr. High, Parkside Jr. High and NCWHS buildings are energy star certified as well. Chiddix also went geothermal and is one month away from earning a score of 75 as well. With the help of the recently approved ESSER funds, we are now working on Energy Star certifying NCHS, NCWHS, Parkside elementary and Pepper Ridge within the next 24 months.

Again, many thanks to the Board of Education partnering with Operations for their unyielding support of these capital campaigns.

With our sincerest thanks,

Operations Team

cc: Joseph Adelman, Executive Director of Operations  
Tom Rockwell, Operations Manager  
Craig Montgomery, Director of Custodian  
Ann Fair, Administrative Coordinator  
Alice Schilkoski, Administrative Assistant



2021

In recognition of superior energy performance, the U.S. Environmental Protection Agency awards the ENERGY STAR® to

## Kingsley Junior High School

This property's ENERGY STAR score of 75 signifies that it is more energy efficient than 75 percent of similar buildings nationwide. On average, ENERGY STAR certified buildings like this one generate 35 percent fewer greenhouse gas emissions than typical buildings.



  
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Jean Lupinacci  
Director, ENERGY STAR Commercial & Industrial Branch

November 15, 2021  
\_\_\_\_\_  
Date



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# ENERGY STAR® Progress & Goals Report

# 76

ENERGY STAR®  
Score<sup>1</sup>

## Kingsley Junior High School

**Primary Property Type:** K-12 School  
**Gross Floor Area (ft²):** 159,445  
**Built:** 1953

**For Year Ending:** February 28, 2021  
**Date Generated:** February 07, 2022

**Property Address:**  
Kingsley Junior High School  
303 Kingsley St  
Normal, Illinois 61761

**Property ID:** 4742629  
**Skyward ID:** 204

1. The ENERGY STAR score is a 1-100 assessment of a building's energy efficiency as compared with similar buildings nationwide, adjusting for climate and business activity.

### Performance Comparison

	Progress			Performance Goals		
	Baseline (Ending Date 6/30/2015)	(Ending Date 2/28/2021)	% Change	Property's Target	National Median	ENERGY STAR Score of 75
ENERGY STAR Score	9	76	744.4	80	50	75

#### Energy

Site EUI (kBtu/ft²)	115.2	49.4	-57.1	47	66.2	50.4
Source EUI (kBtu/ft²)	201.7	94.6	-53.1	90.1	126.7	96.6
Energy Cost (\$)	251,626	105,527.45	-58.1	100,413.86	141,249.44	107,658.15
Energy Cost Intensity (\$/ft²)	1.58	0.66	-58.1	0.63	0.89	0.68

#### Greenhouse Gas Emissions

Total GHG Emissions (Metric Tons CO2e)	2,146.3	1,037.9	-51.6	987.6	1,389.2	1,058.8
Total GHG Emissions Intensity (kgCO2e/ft²)	13.5	6.5	-51.6	6.2	8.7	6.6

#### Water

All Water Use (kgal)	2,030	N/A	N/A	*	*	*
Indoor Water Use (kgal)	N/A	N/A	N/A	*	*	*
Indoor Water Use Intensity (gal/ft²)	N/A	N/A	N/A	*	*	*
Total Water Cost (\$)	21,752.1	N/A	N/A	*	*	*

\*Setting and managing water targets is not yet available in Portfolio Manager.