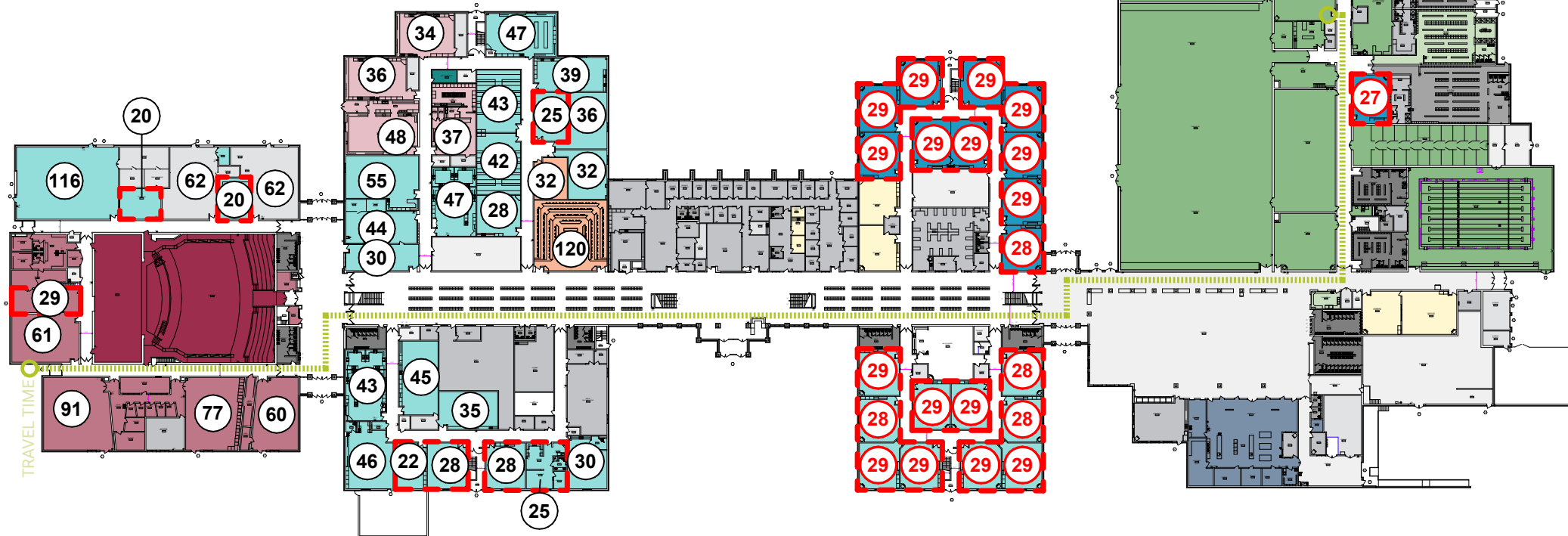




# South Elgin High School

760 East Main St, South Elgin, IL 60177

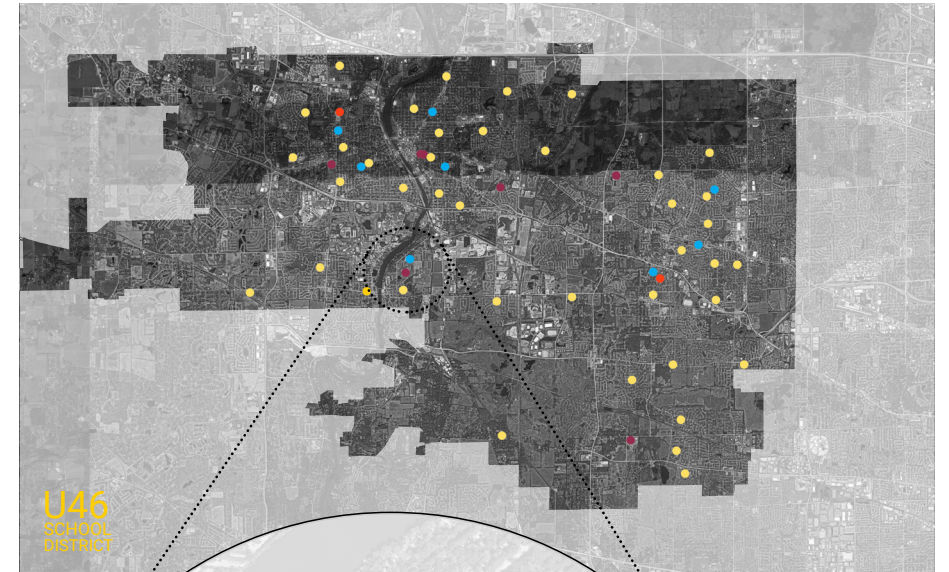
BUILDING SUMMARY			
Gross SF	384,093	Number of Levels	2
Year Built	2004	Number of Additions	0



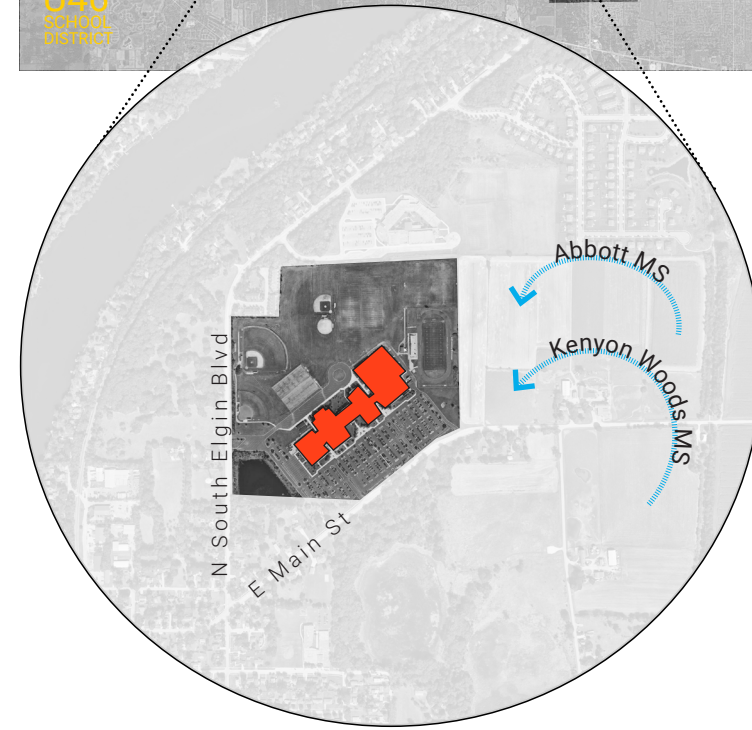
LEVEL 1

Phase 1 Snapshot

FACILITY LOCATION



U46  
SCHOOL DISTRICT



**Current**  
Acreage:  
**73.15**  
ACRES

**Guideline**  
Acreage:  
**47.36**  
ACRES

\* Guideline Acreage recommended by State of Illinois = 5 acres plus 1 acre per every 100 students

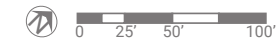
2004

TRAVEL

**7-9 MIN** Furthest approximate travel time from one location to another for an average High School Student.

PLAN KEY

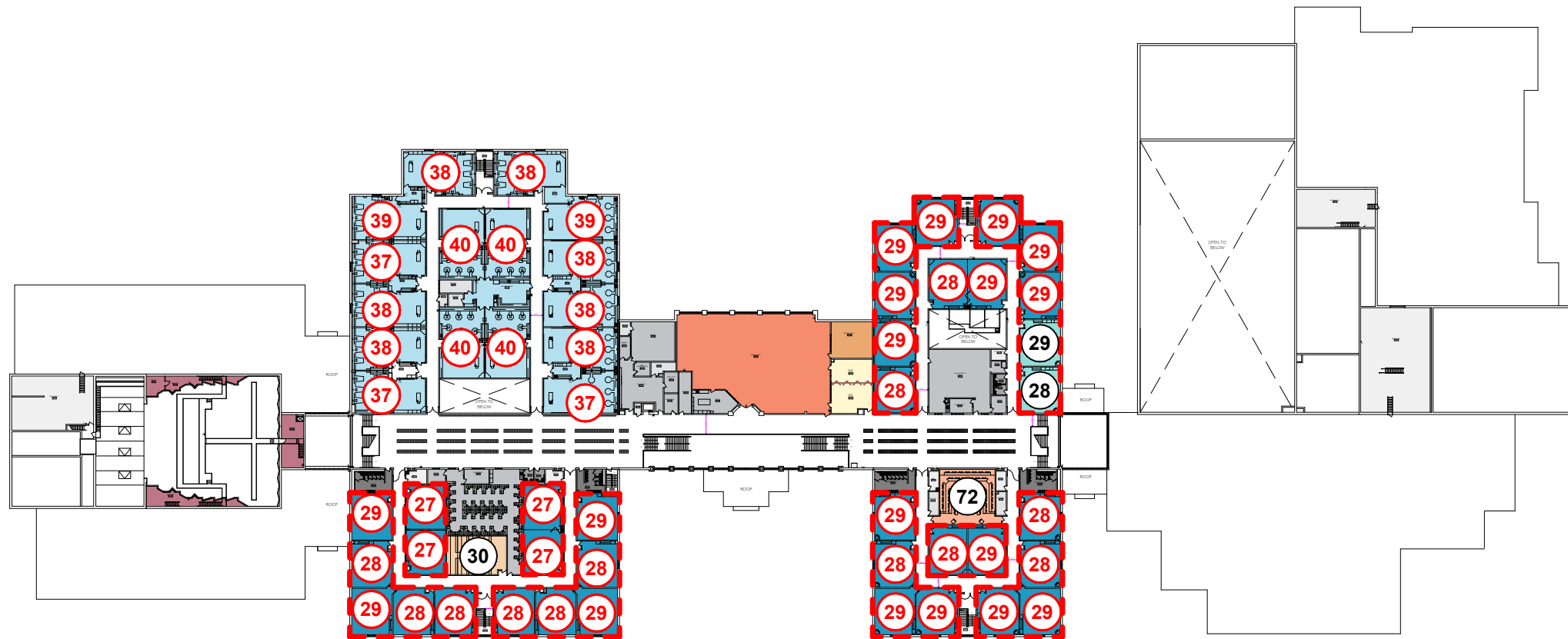
- Administration
- Performance Venue
- Travel Path
- Building Support
- Performing Arts Classroom
- Under-sized space
- Cafe Support
- Resources
- 10 Room Capacity based on ISBE Guidelines
- Commons / Cafeteria
- Science Lab
- 10 Room Capacity based on ISBE Guidelines (not included in Effective Capacity)
- Core Classroom
- Special Education
- Gym / Fitness
- Stem / Hands-On Learning
- Restrooms
- Kindergarten /ECC
- Student Support
- Learning Center
- Visual Arts
- Media Lab





# South Elgin High School

760 East Main St, South Elgin, IL 60177



LEVEL 2

Phase 1 Snapshot



ENROLLMENT METRICS

Occupancy**	3499
Effective Capacity	TBD
Total Enrollment	2736

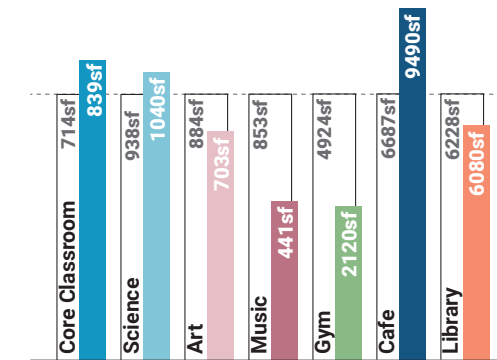
**Occupancy:** the maximum number of people that can be housed in a space in accordance with the building/ fire code

**\*\*NOTE:** Occupancy is NOT the recommended number of students for a space, it is the maximum allowed by code.

**Effective Capacity:** the amount of students a school can effectively support based on the District's current practices and future vision for teaching and learning. This is calculated based on ISBE's square footage per student guideline. Calculated based on core classrooms, science labs and Special Education spaces.

**Enrollment:** number of students that attended the facility in 2019-2020.

AREA COMPARISON



\* This comparison notes the difference between South Elgin High School area per student in comparison to the current National average as noted in the 2015 School Construction Report. The master planning process will produce outcomes pertinent to the District as a whole. This is just one metric to compare space.

■ SEHS Average (all colored bars) □ U-46 Average

**140** square feet per student South Elgin High School • **148** square feet per student 2015 National Low Quartile Number\*

PLAN KEY

- Administration
- Performance Venue
- Travel Path
- Building Support
- Performing Arts Classroom
- Under-sized space
- Cafe Support
- Resources
- Room Capacity based on ISBE Guidelines
- Commons / Cafeteria
- Science Lab
- Room Capacity based on ISBE Guidelines (not included in Effective Capacity)
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- Restrooms
- Learning Center
- Student Support
- Media Lab
- Visual Arts

January 27, 2021

FACILITY GRADES

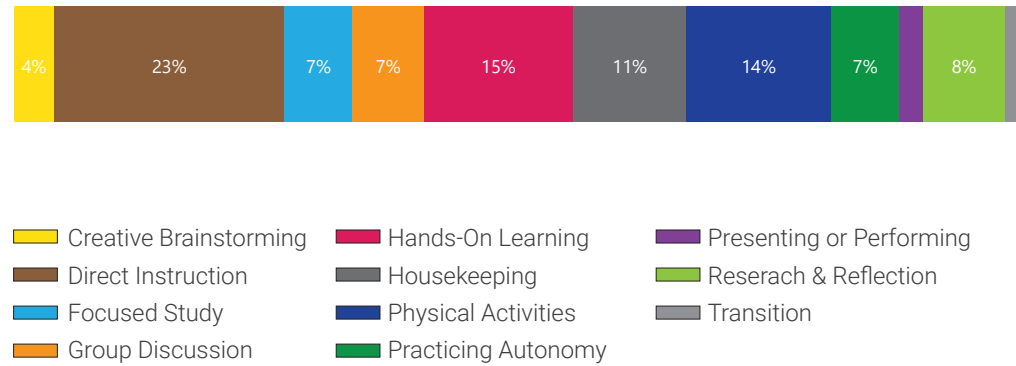
<b>Spatial Educational Adequacy(25%)</b>	<b>C</b>	<b>Facility Condition(35%)</b>	<b>C</b>
(Data collected through Staff Survey)	<b>7.0/10</b>	FCI	.13
Physical Features	7.2/10	<b>Water Usage(5%)</b>	<b>C</b>
Environment Supports Variety	8.5/10	Gallons/SF	13.8
Visual Stimulation	5.9/10	<b>Energy Usage(10%)</b>	<b>F*</b>
Future Readiness	6.2/10	<b>Total EUI</b>	<b>89.0kBTU/SF/yr</b>
<b>Building Allocation(25%)</b>	<b>B</b>	Electric	29.2kBTU/SF/yr
Gross SF/student	140	Gas	59.8kBTU/SF/yr
Site Acreage/Guideline	154%	<b>2020 EUI</b>	<b>57.4kBTU/SF/yr</b>
Mobiles in Use/Basement Used	Yes/No		

**AGGREGATED FACILITY GRADE C**

Educational Adequacy grades were determined by a survey issued to staff. Square Foot/Student grades were determined by building area and enrollment. Facility grades are determined building assessments. Water grades were determined by comparing utility data to the Commercial Buildings Energy Consumption Survey. Energy grades were determined by comparing utility data to the US Dept of Energy's Building Performance Database. Percent in parenthesis indicates weight of category in aggregate facility grade.  
 \* Energy Usage Grade is based on 2019 EUI data, not 2020 EUI data. The decrease in EUI from 2019 to 2020 is a result of both major HVAC equipment upgrades as well as operational changes due to COVID-19.

ACTIVITY MAPPING

Activity mapping is based on survey data (Week in the Life) collected by teachers throughout the district over the course of one week. The teachers provided the learning activity and amount of time spent in that activity. Data was aggregated for the school and is represented by the average percent of time spent in the activity.



LISTENING TOUR

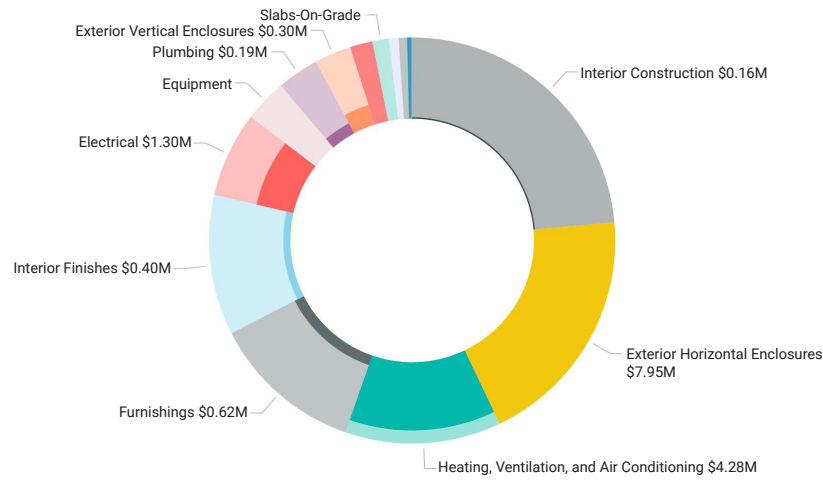
**What's a Listening Tour?**

Staff surveys (Listening Tours) were sent to each school where faculty gave input about the strengths and weaknesses of the building. The following comments highlight common themes and concerns.

**Listening Tour Comments From Staff**

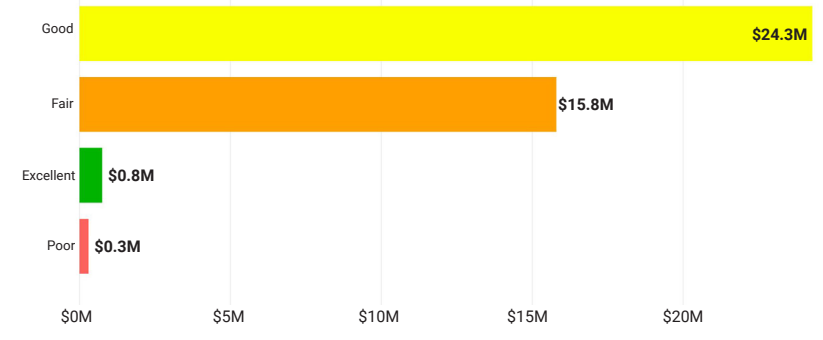
- Teachers would love more flexible seating in the classroom, but this is hard to accomodate with 36+ students in classes.
- A large room for class activities that could be "checked-out" would be great to get students out of their seats and moving around. There is limited space available in classrooms and the auditorium, lunch room and gyms are always in use.
- The classrooms are boring and difficult to personalize.
- An actual teacher common area or lunchroom that allows for downtime and collaboration is desirable.

FACILITY BY BUILDING SYSTEM



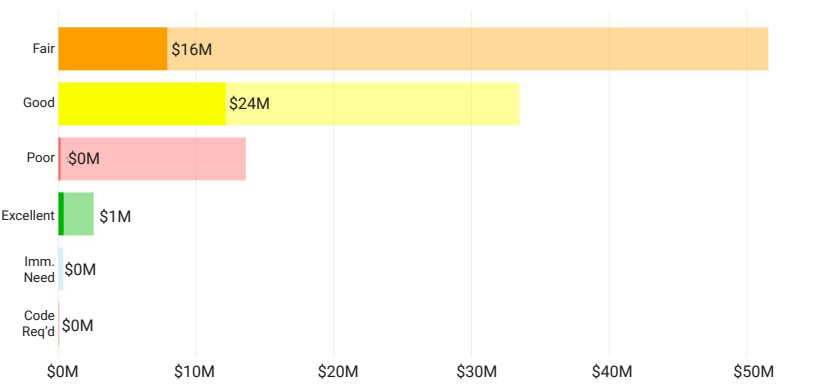
This chart indicates the approximate cost of deferred and anticipated maintenance (in dollars) of items assessed by building system. Highlighted items indicate those items in immediate need, code requirement, poor and fair condition.

FACILITY BY CONDITION



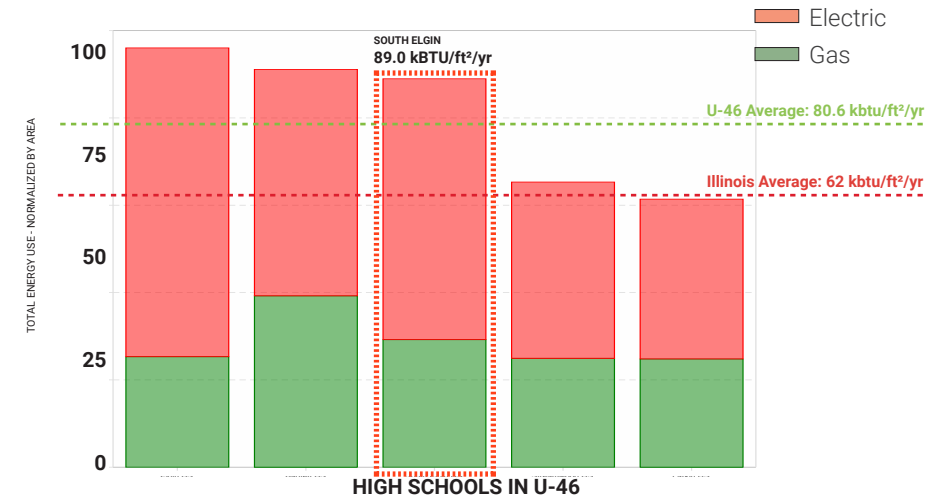
This chart indicates the approximate cost of deferred and anticipated maintenance (in dollars) based on condition of assessed items.

FACILITY AS PART OF TOTAL COHORT



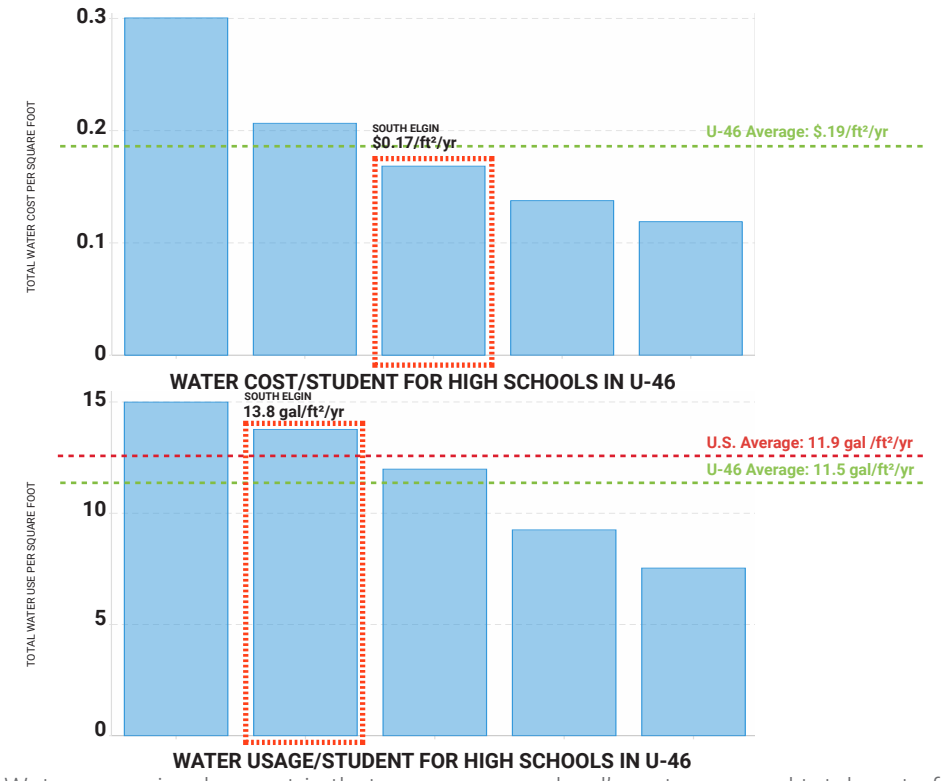
This chart indicates the approximate cost of deferred and anticipated maintenance (in dollars) based on condition of assessed items in relation to the entire cohort of buildings.

ENERGY USAGE (EUI)



Energy Use Intensity (EUI) is a key metric that expresses a building's energy use as a function of its size. Generally, a low EUI signifies good energy performance

WATER USAGE + WATER COST



Water usage is a key metric that expresses a school's water use and total cost of water in comparison to the other high schools in the district.

DATA COLLECTION

**How is this information collected?**

The goal of the DLR Group integrated design team is to **collect multiple qualitative and quantitative data points** around the same set of items – for example energy use or learning behavior – **in order to form a holistic picture**. The team collects these data points through the use of utility analysis, expert walkthroughs, focus groups, surveys, and ethnographic observation techniques. The results are validated by cross-checking data points, such as a survey answer and a spot measurement, that should relate to one another.