



District Wide Planning

Oak Grove R-VI School District
Community Forum #3

October 10, 2019



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Tonight's Agenda

- 1 Team Introductions
- 2 Oak Grove R-VI Project List
- 3 Open Forum / Questions



Project Team Members

Navitas

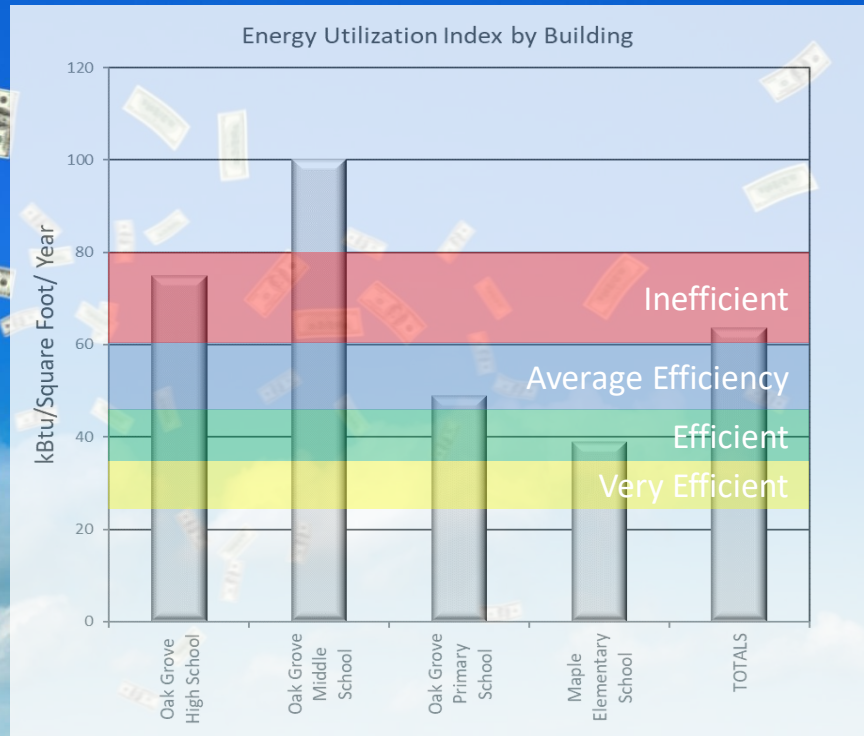
JE Dunn Construction



Money doesn't solve everything, but we would sure like to have more.



Energy Use (kBtu) per Square Foot

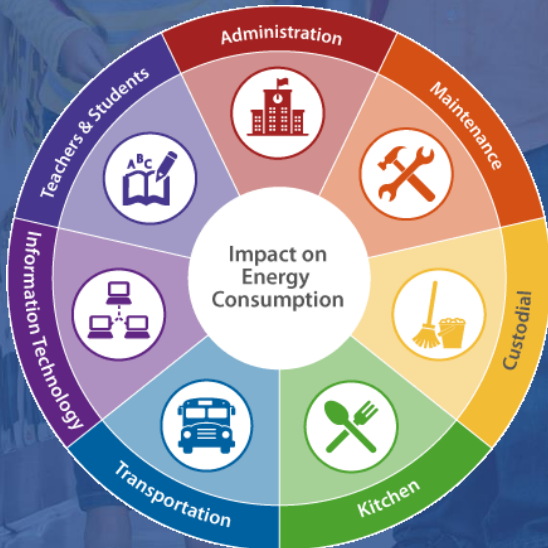


Current Spend ~\$550,000/year
Potential Savings ~\$200,000/year



Comprehensive Energy Plan

- Replace aged failing equipment
- Improve systems and equipment operation
- Engage departments throughout the district to do their part in efficiency
- Implement an improved building operating plan with all departments that impact energy use
- Develop energy efficiency strategies
- Provide an energy management focus with oversight
- Support conservation concepts from the Board of Education down



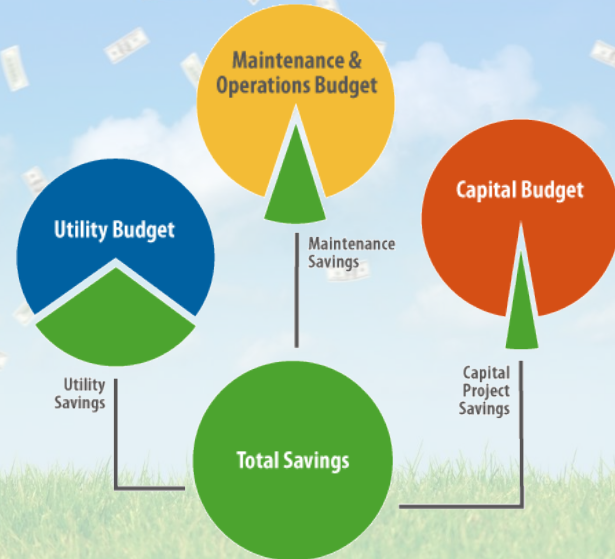
Money doesn't solve everything, but we would sure like to have more.



Energy Savings as a Financial Mechanism

- Most school districts have more needs than funds available. Trying to balance where resources go is very difficult and we are always trying to find a way to help your money go further.
- As equipment in facilities age, the cost to maintain that equipment increases. At some point, there it makes more sense to replace than to continue to repair.
- RSMO 8.231: Guaranteed Energy Cost Savings Contracts

Types of Savings



Project Profile

PROJECT SCOPE

1. Building Envelope Improvements

- Sealing around window, door, and wall/roof to reduce air infiltration

2. Water Conservation Measures

- Replace older, high gallons per flush valves with higher efficiency flush valves

3. Building Automation System

- Update and Improve Building Automation System in every building

4. Retro-commissioning

- Retrocommission all mechanical equipment that is not being replaced in bond issue/energy project

5. Electric to Natural Gas in Middle School

- Upgrade electrical heating coils to hot water coils heated via Natural Gas

6. HVAC Replacements

- HVAC replacements for equipment past it's useful life at:
 - High School
 - Oak Grove Elementary
 - Primary School
 - Early Childhood (modifications to accommodate space update)

PROJECT ENERGY SAVINGS

• Energy Savings

- Items 1-5 pay for themselves over a 15 year period AND provide excess savings to help fund item 6

• Excess Savings

- Current estimates put us about \$500,000 of excess savings that can be used to help pay for \$3,180,000 of the costs of Item 6 – HVAC Replacements.



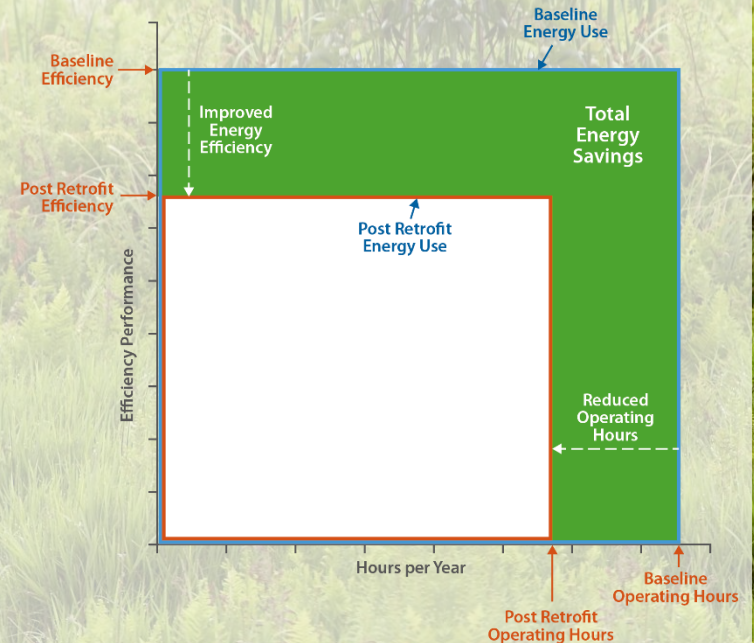
Our programs make a significant impact on your kids, your schools and your budgets. [We deliver](#) on our promise of real savings!



How Do We Save Energy?

There are two components to reducing energy consumption.

- The efficiency of the building systems and equipment
- The hours the equipment operates



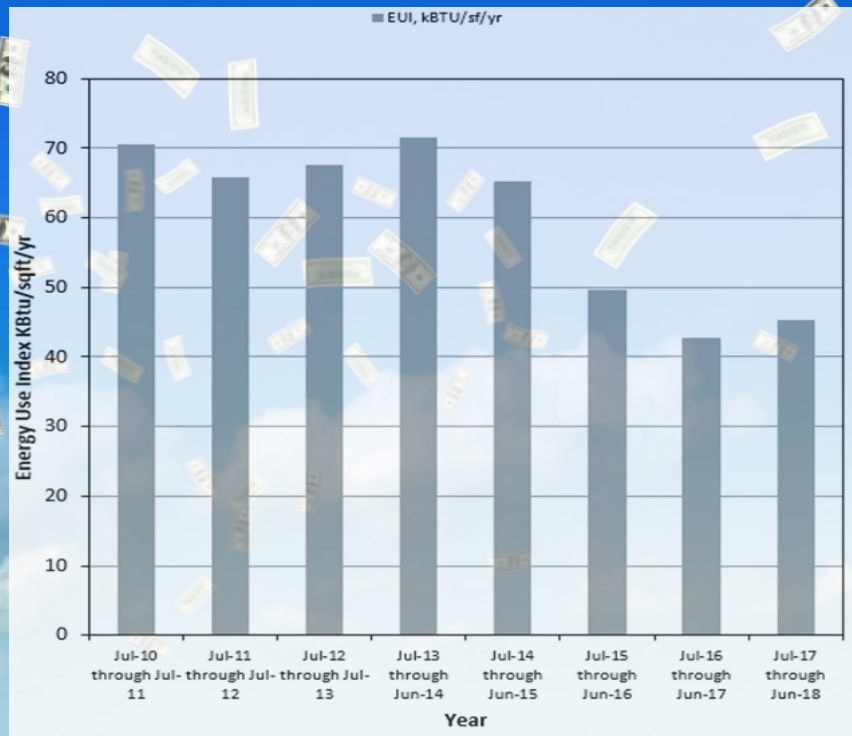
Then apply the appropriate energy rates.



Money doesn't solve everything, but we would sure like to have more.



Energy Use (kBtu) per Square Foot at North Kansas City





Oak Grove Projects: Survey Priorities



Safety and Security



Technology




Building Capacity







\$20,000,000 Bond Budget


4%  Safety & Security

2%  Technology

32%  Classroom Additions

3%  Campus Improvements

37%  Facility Improvements

22%  Resource Upgrades



Facility Proposed Projects



OAK GROVE HIGH SCHOOL



TIER 1

- HS-01 SECURE ENTRY
- HS-02 NEW PARKING LOT AND SIDEWALK IMPROVEMENTS
- HS-04 ROOF IMPROVEMENTS
- HS-06 WEIGHT ROOM ADDITION
- HS-11 CLASSROOM ADDITION (4 CLASSROOMS)
- HS-13 HVAC ROOFTOP UNIT REPLACEMENT
- HS-15 COMMONS ADDITION AND KITCHEN EXPANSION
- HS-20 SECURITY CAMERA EXPANSION

\$8,106,176

TIER 2

- HS-03 ADDITIONAL PARKING LOT EXPANSION
- HS-06a AUXILIARY GYM AND LOCKER ROOMS
- HS-08 BUILDING STORAGE SOLUTIONS
- HS-12 MAIN GYM FOYER EXPANSION
- HS-19 KEY AND ELECTRONIC DOOR ACCESS EXPANSION

TIER 3

- HS-05 FLOORING IMPROVEMENTS (EXCLUDING MAIN GYMNASIUM)
- HS-07 CAFETERIA EXPANSION AND KITCHEN ADDITION
- HS-09 INTERIOR PAINTING AND GRAPHICS
- HS-10 EXTERIOR MASONRY RESTORATION
- HS-14 FLOOR SETTLING REPAIRS
- HS-16 CONNECTION TO PAC
- HS-17 LIFE SKILLS ROOM
- HS-18 CANOPY FOR DROP-OFF AREA
- HS-21 WRESTLING ROOM RENOVATION
- HS-22 PANTHER PAD CANOPY
- HS-23 EXISTING MAIN GYMNASIUM RENOVATION (FINISH AND ATHLETICS)
- HS-24 RESTROOM ADDITIONS (2 MEN AND 2 WOMEN'S)
- HS-25 INTERIOR DOOR REPLACEMENT
- HS-26 FF&E

OAK GROVE HIGH SCHOOL

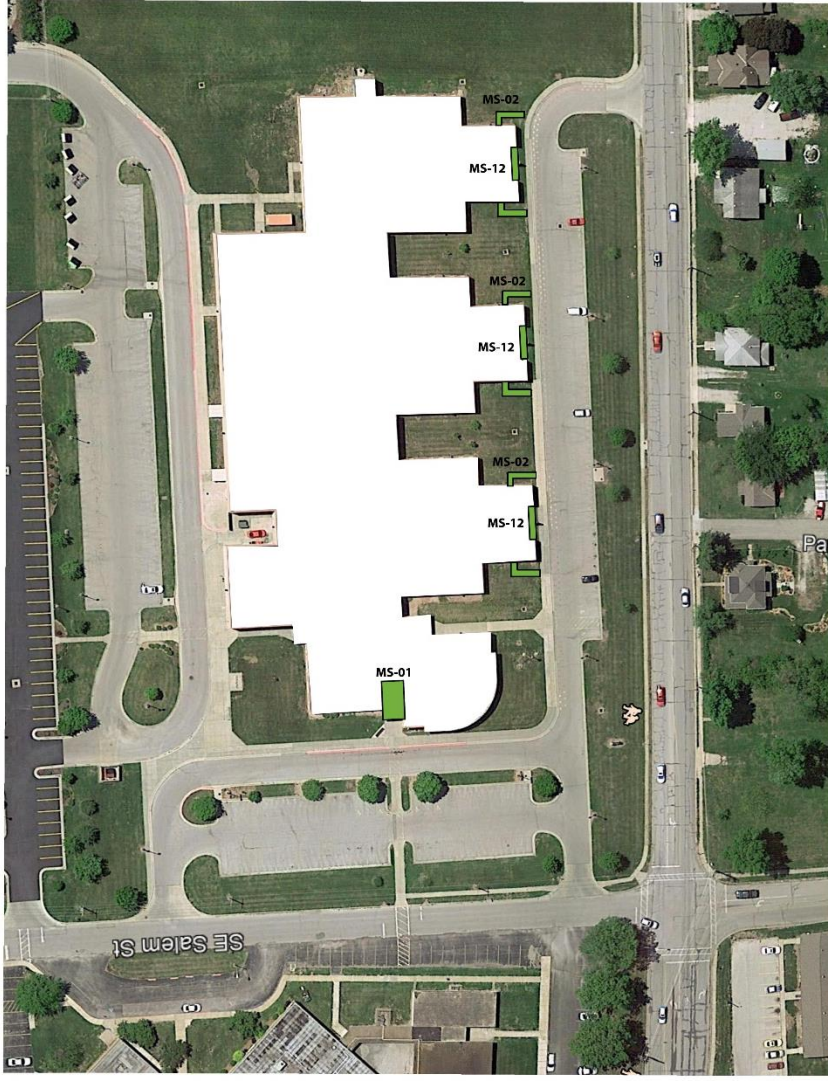


TIER 1

- HS-01 SECURE ENTRY
- HS-02 NEW PARKING LOT AND SIDEWALK IMPROVEMENTS
- HS-04 ROOF IMPROVEMENTS
- HS-06 WEIGHT ROOM ADDITION
- HS-11 CLASSROOM ADDITION (4 CLASSROOMS)
- HS-13 HVAC ROOFTOP UNIT REPLACEMENT
- HS-15 COMMONS ADDITION AND KITCHEN EXPANSION
- HS-20 SECURITY CAMERA EXPANSION

\$8,106,176

OAK GROVE MIDDLE SCHOOL



TIER 1

- MS-01 SECURE ENTRY
- MS-02 CURB UPGRADES AND SIDEWALK ADDITIONS
- MS-07 INTERCOM EXPANSION
- MS-11 SECURITY CAMERA EXPANSION
- MS-12 BUILDING WINDOW REPAIRS AND UPGRADES
- MS-13 REPLACE CLASSROOM POD EGRESS DOORS
- MS-14 WALKWAY BETWEEN MIDDLE SCHOOL AND HIGH SCHOOL

\$370,193

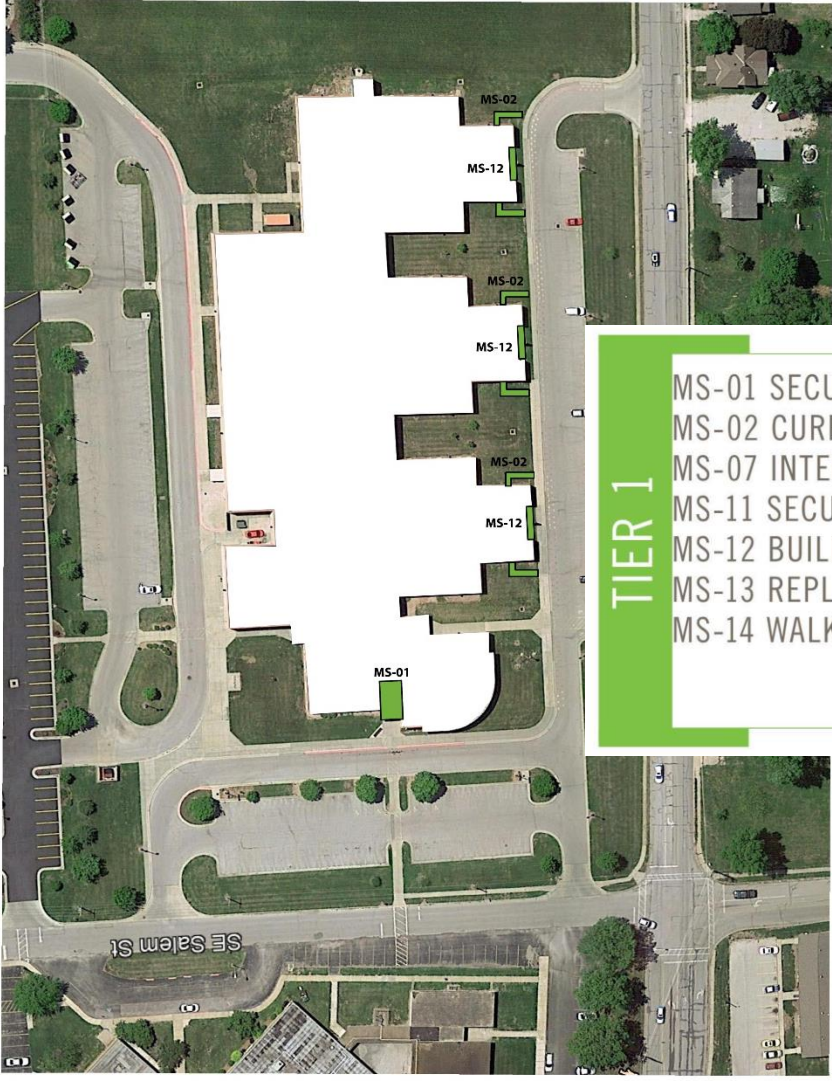
TIER 2

- MS-04 GYMNASIUM DIVIDER
- MS-10 KEY AND ELECTRONIC DOOR ACCESS EXPANSION

TIER 3

- MS-05 STEM CLASSROOM
- MS-06 FURNITURE IMPROVEMENTS
- MS-08 CANOPY FOR DROP-OFF AREA
- MS-09 RESTORE GRASS IN WEST FOOTBALL FIELD
- MS-15 FF&E

OAK GROVE MIDDLE SCHOOL



TIER 1

- MS-01 SECURE ENTRY
- MS-02 CURB UPGRADES AND SIDEWALK ADDITIONS
- MS-07 INTERCOM EXPANSION
- MS-11 SECURITY CAMERA EXPANSION
- MS-12 BUILDING WINDOW REPAIRS AND UPGRADES
- MS-13 REPLACE CLASSROOM POD EGRESS DOORS
- MS-14 WALKWAY BETWEEN MIDDLE SCHOOL AND HIGH SCHOOL

\$370,193

OAK GROVE ELEMENTARY SCHOOL



TIER 1

- OGE-01 SECURE ENTRY AND OFFICE RENOVATION
- OGE-04 ROOF IMPROVEMENTS
- OGE-05 INTERIOR PAINTING AND GRAPHICS
- OGE-06 INTERIOR DOOR REPLACEMENT
- OGE-07 EXTERIOR DOOR REPLACEMENT
- OGE-09 EXTERIOR WINDOW REPLACEMENT
- OGE-10 MASONRY RESTORATION
- OGE-11 FLOORING IMPROVEMENTS
- OGE-12 FLOORING ABATEMENT
- OGE-15 REPAIR DRAINAGE ISSUES ON EAST FACADE
- OGE-19 SECURITY CAMERA EXPANSION
- OGE-20 RESTROOM RENOVATIONS
- OGE-23 ADA IMPROVEMENTS

\$2,954,498

TIER 2

- OGE-03 PARKING LOT ADDITION
- OGE-13 FENCING AT PLAYGROUND PERIMETER
- OGE-18 KEY AND ELECTRONIC DOOR ACCESS EXPANSION
- OGE-21 ADDITIONAL OUTLETS IN CLASSROOMS
- OGE-22 NURSE'S SHOWER
- OGE-25 DRINKING FOUNTAIN REPLACEMENT
- OGE-26 STORM WATER IMPROVEMENTS ALONG PLAYGROUND/ACCESS ROAD

TIER 3

- OGE-02 PARKING LOT AND SIDEWALK IMPROVEMENTS
- OGE-08 KITCHEN EXPANSION
- OGE-16 CANOPY FOR DROP-OFF AREA

OAK GROVE ELEMENTARY SCHOOL

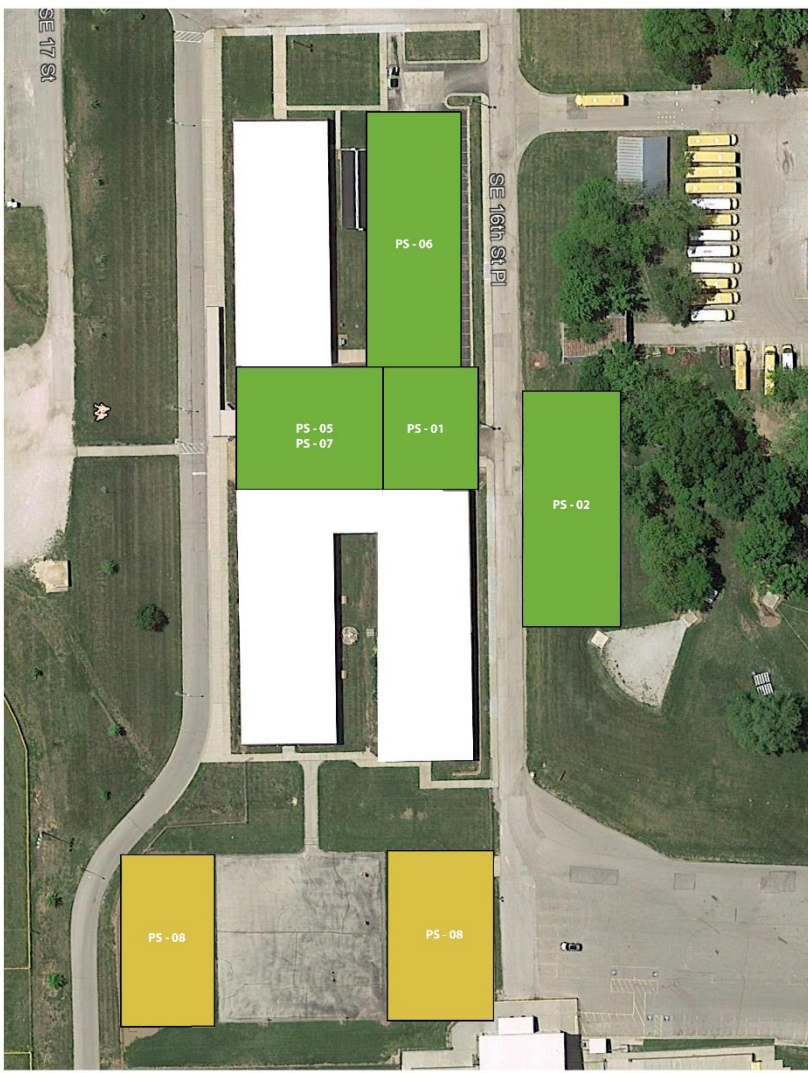


TIER 1

- OGE-01 SECURE ENTRY AND OFFICE RENOVATION
- OGE-04 ROOF IMPROVEMENTS
- OGE-05 INTERIOR PAINTING AND GRAPHICS
- OGE-06 INTERIOR DOOR REPLACEMENT
- OGE-07 EXTERIOR DOOR REPLACEMENT
- OGE-09 EXTERIOR WINDOW REPLACEMENT
- OGE-10 MASONRY RESTORATION
- OGE-11 FLOORING IMPROVEMENTS
- OGE-12 FLOORING ABATEMENT
- OGE-15 REPAIR DRAINAGE ISSUES ON EAST FACADE
- OGE-19 SECURITY CAMERA EXPANSION
- OGE-20 RESTROOM RENOVATIONS
- OGE-23 ADA IMPROVEMENTS

\$2,954,498

OAK GROVE PRIMARY SCHOOL



TIER 3

- PS-03 PAVE SOUTH PARKING LOT
- PS-12 ADDITIONAL OUTLETS IN CLASSROOMS
- PS-13 INTERIOR PAINTING AND GRAPHICS
- PS-16 ART ROOM RENOVATION

TIER 2

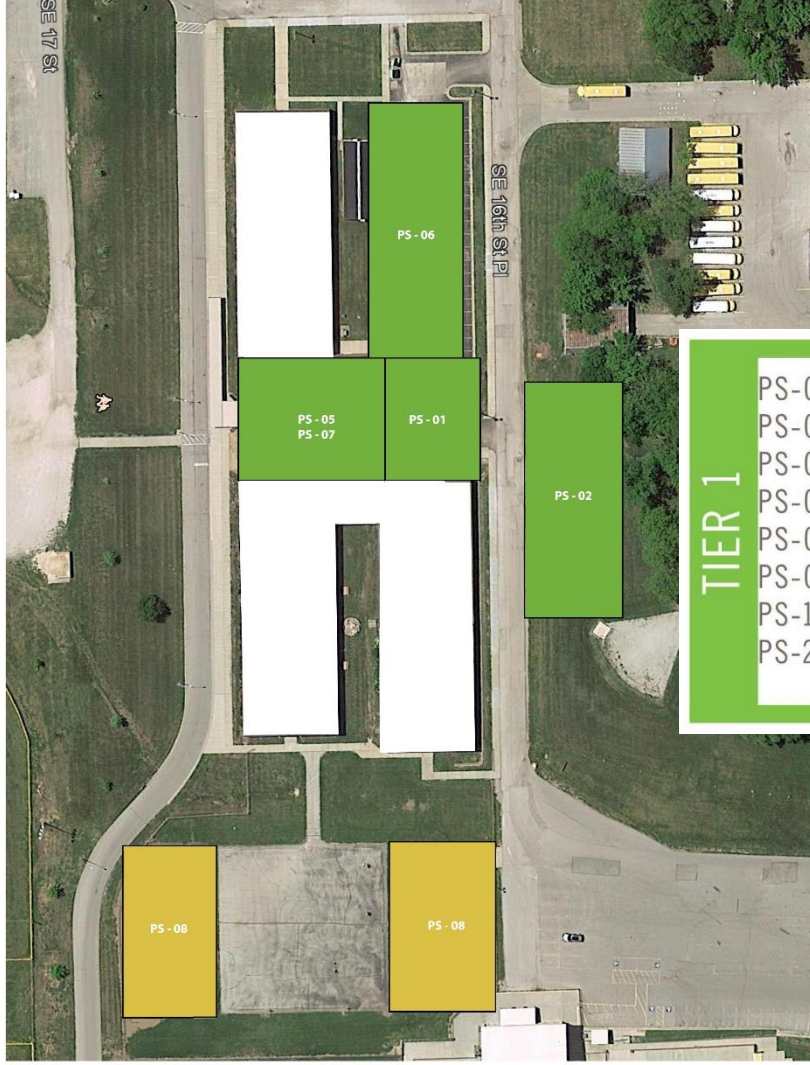
- PS-08 PLAYGROUND FALL PROTECTION (TURF)
- PS-09 KEY AND ELECTRONIC DOOR ACCESS EXPANSION
- PS-11 WASHER AND DRYER
- PS-14 FLOORING IMPROVEMENTS
- PS-18 NURSE'S OFFICE RENOVATION AND ADD SHOWER
- PS-19 SENSORY ROOM
- PS-20 EXTERIOR DOOR REPLACEMENT
- PS-21 DRINKING FOUNTAIN REPLACEMENT

TIER 1

- PS-01 SECURE ENTRY
- PS-02 PARKING LOT / SIDEWALK IMPROVEMENTS
- PS-04 ROOF IMPROVEMENTS
- PS-05 COMMONS ADDITION AND CAFETERIA RENOVATION
- PS-06 CLASSROOM ADDITION (12 CLASSROOMS + RESTROOMS)
- PS-07 KITCHEN EXPANSION
- PS-10 SECURITY CAMERA EXPANSION
- PS-20 EXTERIOR DOOR REPLACEMENT

\$8,734,111

OAK GROVE PRIMARY SCHOOL / ECC

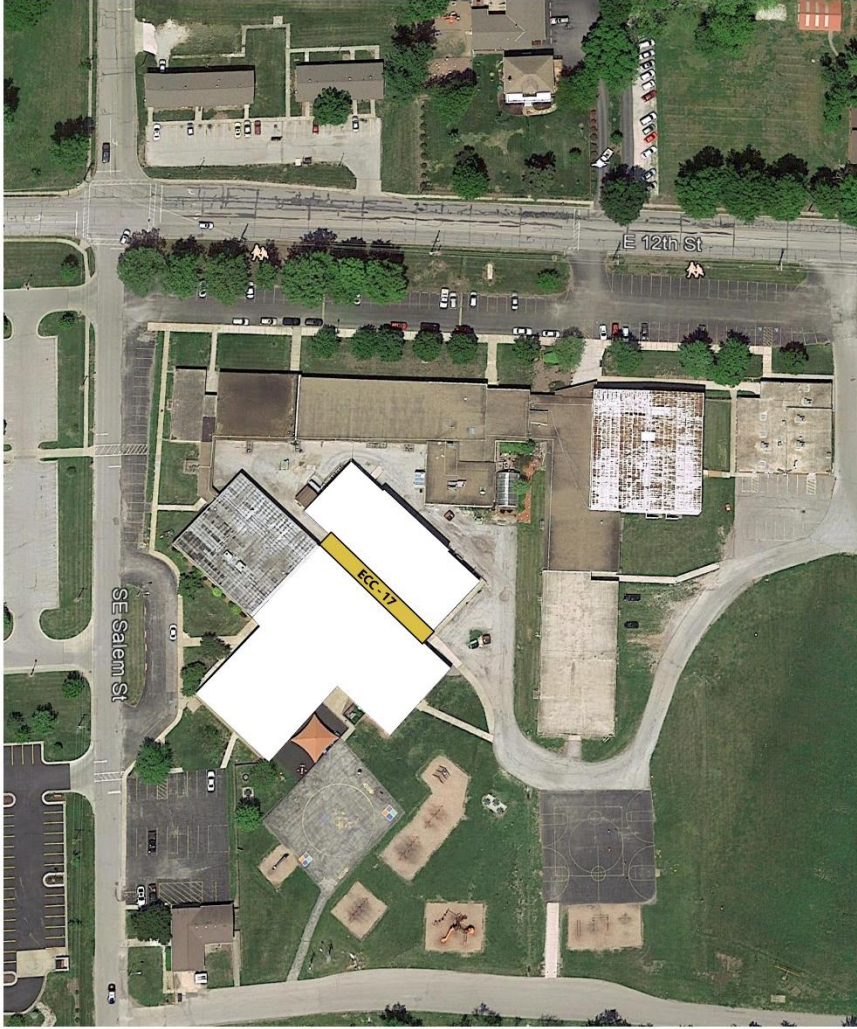


TIER 1

- PS-01 SECURE ENTRY
- PS-02 PARKING LOT / SIDEWALK IMPROVEMENTS
- PS-04 ROOF IMPROVEMENTS
- PS-05 COMMONS ADDITION AND CAFETERIA RENOVATION
- PS-06 CLASSROOM ADDITION (12 CLASSROOMS + RESTROOMS)
- PS-07 KITCHEN EXPANSION
- PS-10 SECURITY CAMERA EXPANSION
- PS-20 EXTERIOR DOOR REPLACEMENT

\$8,734,111

EARLY CHILDHOOD CENTER



TIER 3

ECC-01 MAIN ENTRY RENOVATION
ECC-03 PARKING LOT ADDITION

TIER 2

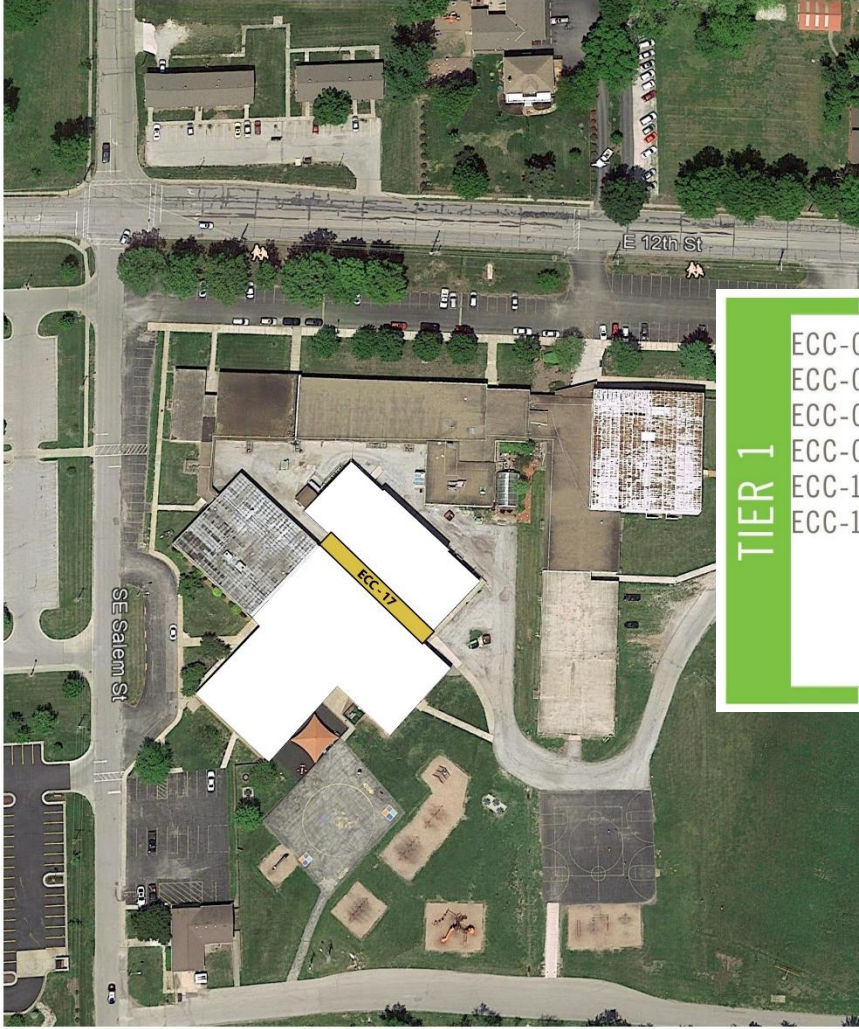
ECC-08 KEY AND ELECTRONIC DOOR ACCESS EXPANSION
ECC-13 INTERIOR DOOR REPLACEMENT
ECC-17 ENCLOSED CONNECTION TO CAFETERIA

TIER 1

ECC-04 ROOF REPLACEMENT
ECC-05 EXTERIOR DOOR REPLACEMENT
ECC-06 RESTROOM RENOVATIONS
ECC-09 SECURITY CAMERA EXPANSION
ECC-10 DRINKING FOUNTAIN REPLACEMENT
ECC-12 INTERCOM EXPANSION

\$1,655,182

OAK GROVE ELEMENTARY EXPANSION



TIER 1

- ECC-04 ROOF REPLACEMENT
- ECC-05 EXTERIOR DOOR REPLACEMENT
- ECC-06 RESTROOM RENOVATIONS
- ECC-09 SECURITY CAMERA EXPANSION
- ECC-10 DRINKING FOUNTAIN REPLACEMENT
- ECC-12 INTERCOM EXPANSION

\$1,655,182



Next Steps

- Project boards will be on display in the back of the auditorium for Q&A
- Continue refinement on Project Costs
- Finalize District Project List





Clarifications + Questions

