



# PLANT OPERATIONS

**FY 2020 Summer Project Update**  
**September 14, 2020**



# SUMMER OVERVIEW

- ❖ \$50 million plus in planned capital, custodial, and maintenance projects
- ❖ Over 112 projects completed at more than 50 sites
- ❖ Elevated custodial outcomes during an unprecedented pandemic
- ❖ Energy rebates received in excess of \$105,000
- ❖ Additional revenue generated by a renegotiated demand response program (pending incentive payment total)

# MECHANICAL UPGRADES



## COLEMAN

Hallway HVAC and Tunnel  
Dehumidification



## HARRIET GIFFORD

Steam Boilers, Univents, and  
Air Chilled Coolers

## ELGIN HIGH

Chiller Replacement



## SOUTH ELGIN HIGH

Chiller Replacement



# ADDITIONAL MECHANICAL UPGRADES

- ❖ Bartlett High School Dectron replacement
- ❖ Elgin High School domestic water replacement
- ❖ Larkin High School electrical service main
- ❖ Fire alarm upgrades at Bartlett Elementary, Sycamore Trails, and Hanover Countryside
- ❖ Larsen HVAC replacement, ceiling renovation, and gym sound system





# PARKING LOTS

**Abbott Parking Lot & Vault**



**Bartlett High School Overlay**



**Kenyon Woods Parking Lot and Stairs**



**Creekside Parking Lot**



## **Additional Parking Lot Projects**

- Spring Trails parking lot resurfacing
- Larsen loading dock and alley repair
- 500 Shales (Transportation) parking lot resurfacing

**1019 E. Chicago Street Parking Lot**





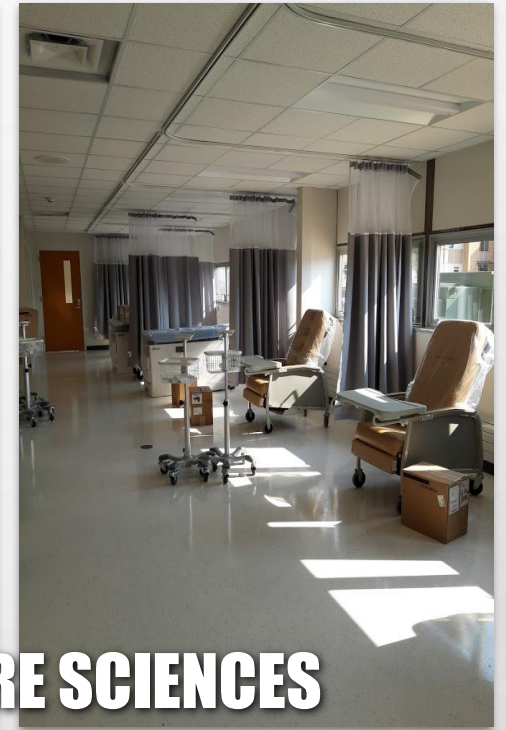
# PATHWAYS: LARKIN



**CULINARY ARTS**



**HEALTHCARE SCIENCES**



**EARLY  
CHILDHOOD**



**SCIENCE LABS**





# BEACON ACADEMY: SOUTH ELGIN HIGH





# ATHLETICS AND STADIUMS

**Streamwood High School**  
Tennis Courts



**Streamwood High School**  
Auxiliary Gym



**Elgin High School**  
Memorial Field



# CUSTODIAL FLOORING PROJECTS



**BEFORE**

**ELGIN HIGH**  
Auxiliary Gym



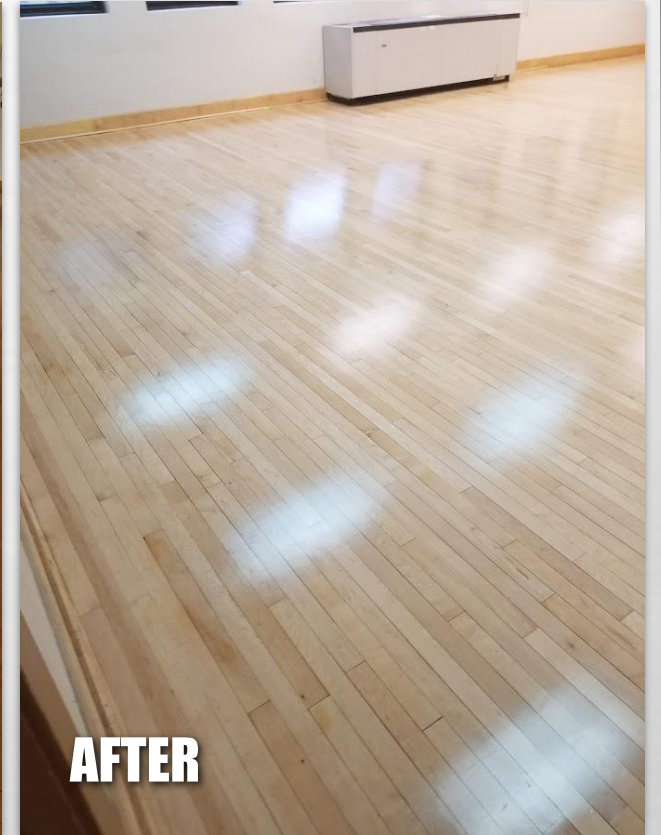
**AFTER**



**PRAIRIEVIEW**  
Main Foyer



**BEFORE**



**AFTER**

**LOWRIE**  
Wood Floor Refinishing in Classrooms



# MAINTENANCE PROJECTS



## Channing

Carpet Replacement

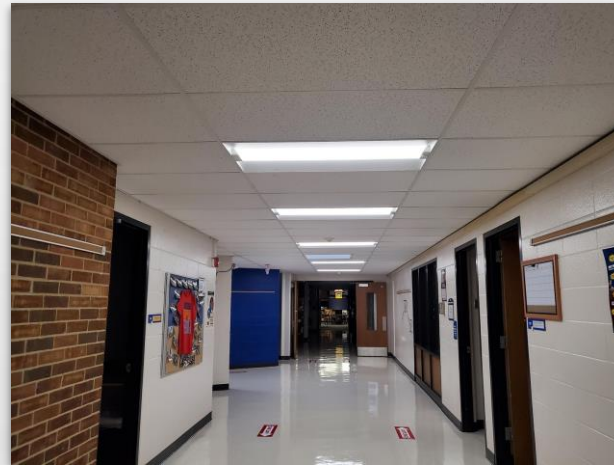


## Eastview

Locker and Hallway Painting

## Parkwood

Fascia Board Repair



## Sunnydale

Main Hallway Drop Ceiling

## Heritage

Kitchen Upgrade



## Additional Maintenance Projects:

- Eastview Cooler and Freezer Demo
- Highland Cafeteria Lunch Table and Painting Project
- Lunch Table Replacement: Ridge Circle and Parkwood
- Wayne Basement Tile
- VCT replacement: Century Oaks, Lords Park, Laurel Hill
- Abbott 1st Floor Hallway Painting



# DEMAND RESPONSE

Demand response events are specifically designated hours during which we are asked to reduce our energy consumption by shutting down equipment during periods of high stress on the electric grid. By participating in this program and hitting the predetermined thresholds on test days, School District U-46 receives incentive payments.

Location	Baseline (kW)	FSL (kW)	Event Load (kW)	Reduction (kW)	Performance (%)
Bartlett High School	897.574	380	175.2	485	100
Canton	106.267	46	30.72	55	100
Eastview	117.057	56	22.8	55	100
ESC	359.219	230	114.56	109	100
Elgin High School	362.904	168	91.8	180	100
Ellis	133.258	49	19.2	79	100
Kenyon Woods	351.38	231	58.4	100	100
Kimball	110.046	55	20.88	49	100
Larsen	103.338	63	20.88	34	100
South Elgin High School	437.366	332	84	77	100
Tefft	43.167	38	28.8	1	100
Abbott	55.73	25	9.6	28.4	100
Larkin High School	446.74	346	34.56	71.67	100

**Payment for this successful event is expected by December 30, 2020**

# ADDITIONAL SUMMER PROJECTS

- 1019 E. Chicago Street Interior Buildout
- Larkin High Emergency Sump Pump Installation
- Huff Main Entrance Repair and Pitch Reversal
- Larkin Nurse's Office
- Streamwood High School Regrading and Insulation for Kitchen Office
- Washington Wood Floor Maintenance and Regrading
- South Elgin High Sidewalk Repair
- Bartlett Elementary Roof
- Channing Window Replacement
- Intercom and Clock Systems: Heritage, Bartlett Elementary and Sycamore Trails
- Streamwood High Painting Phase 2
- Elgin High Room Split
- Harriet Gifford Main Office Carpet Replacement
- Ridge Circle Multipurpose Room VCT
- Streamwood High Lecture Hall Carpet Replacement
- Loading Dock Card Reader and Camera Installation: Clinton, Glenbrook, Larsen, Lowrie, McKinley, Ontarioville, Bartlett Elementary, Centennial, Coleman, Kimball, Hillcrest, Lords Park, Nature Ridge, Timber Trails, Sycamore Trails, Garfield, Ronald O'Neal, Creekside, Fox Meadow, Hanover Countryside, Horizon, Illinois Park, Wayne, Sunnydale, Otter Creek and Prairieview
- Washington Regrading, Downspout, and Sidewalk Project
- And many more!



**WASHINGTON**



**BARTLETT ELEMENTARY**



**CHANNING**



**THANK YOU**