



**BUREAU  
VERITAS**

# **FACILITY CONDITION ASSESSMENT FINAL PRESENTATION**

Maury County Public Schools

07.20.2020

**Presenters:**  
Andrew Hupp



# **AGENDA**

**INTRODUCTION TO BV**

**SCOPE OF WORK**

**KEY FINDINGS**

**SUMMARY OF DATA**

**QUESTIONS AND ANSWERS**



## ABOUT BUREAU VERITAS

### 30+ years of industry experience

National firm focused on asset inventory, facility assessments, and capital planning.

National experience and experienced staff

650+ employees nationally

50,000+ assessments

Multi-disciplined engineers and architects

### Relevant assessment experience

Higher Education

Student Housing

Maintenance

Inventory

Parking

Warehouse

Life Safety

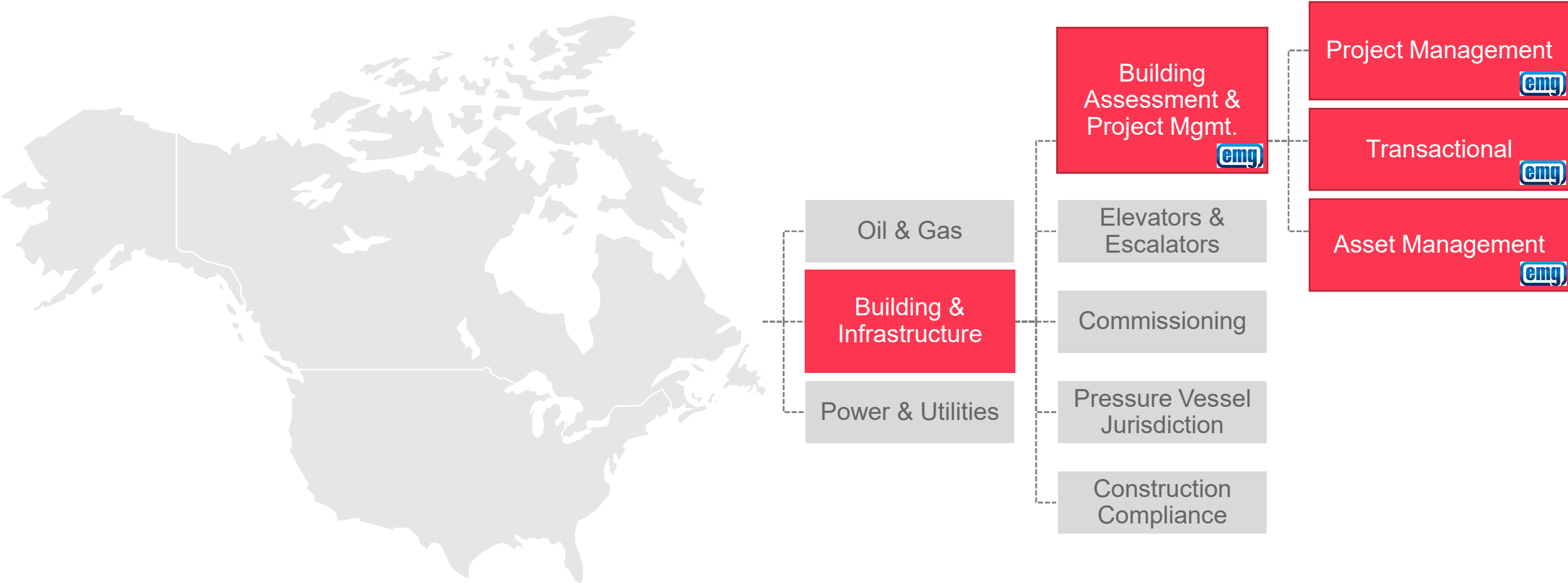
MEP



■ ENG Professionals ■ Extended Coverage ■ HQ Headquarters Office ● Satellite Office

Ability to integrate FCA data with various CMMS

# BUREAU VERITAS NORTH AMERICA





## THE FACILITY CONDITION ASSESSMENT

# WHAT DID BV'S ASSESSMENT INCLUDE?

## 1 Pre-Survey

- Pre-Survey Questionnaire
- Kick Off and Review Existing Data

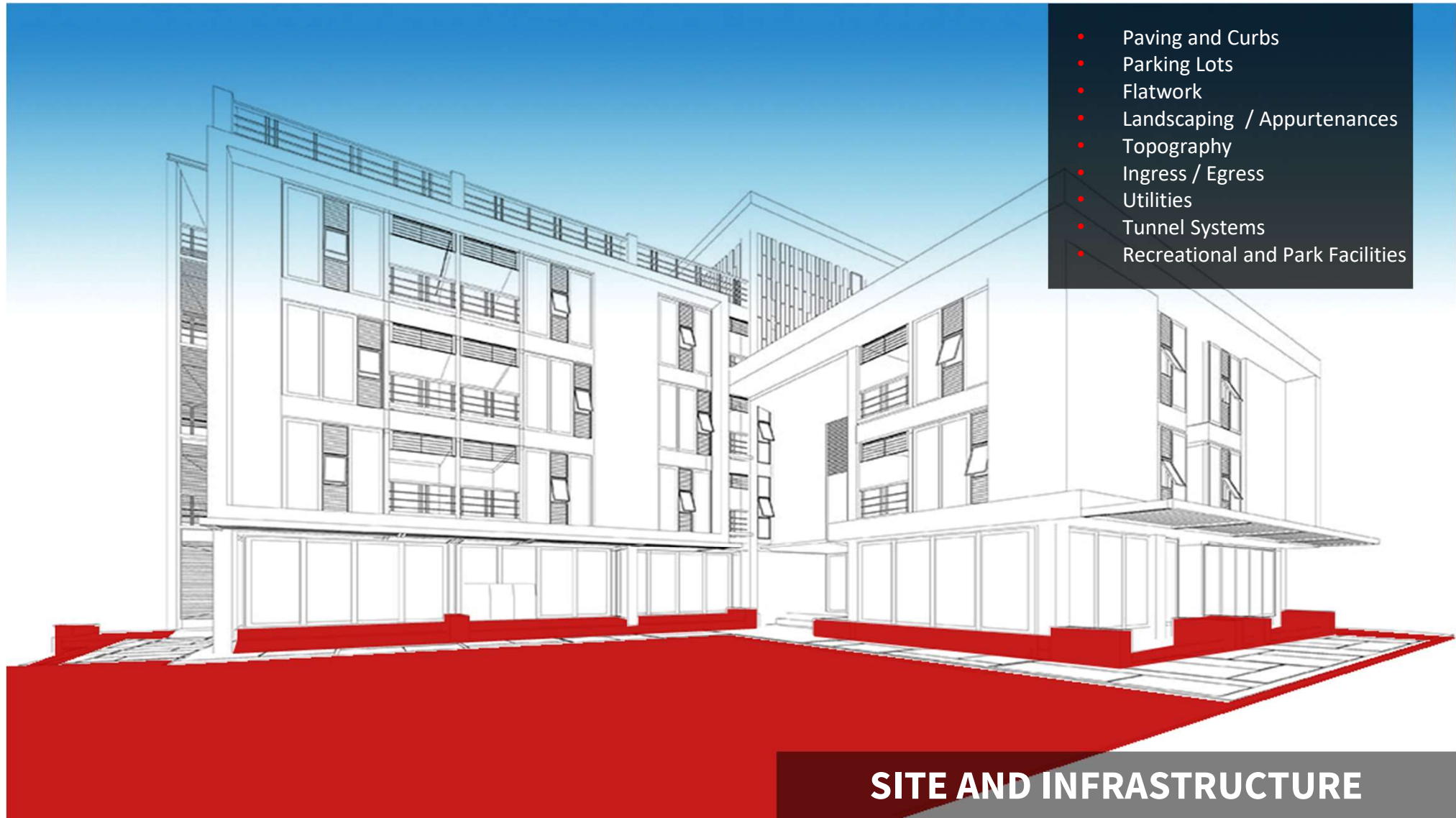
## 2 Facility Condition Assessments and Inventory

- Inspections of Building Systems
- Identification of Deficiencies
- Inventory of Assets
- Repair / Replace Recommendations
- Cost Estimating

## 3 Deliverables

- FCI Calculations and Prioritization
- FCA / Inventory Reports
- Capital Planning Reports
- Database and Optional Integration





- Paving and Curbs
- Parking Lots
- Flatwork
- Landscaping / Appurtenances
- Topography
- Ingress / Egress
- Utilities
- Tunnel Systems
- Recreational and Park Facilities

## SITE AND INFRASTRUCTURE



- Structural Frame
- Fenestration / Facades
- Walls / Curtain Wall
- Windows
- Doors / Sliders
- Commercial Overhead Doors
- Balconies / Decks
- Stairways

## EXTERIOR AND BUILDING ENVELOPE





- Roof Systems
- Membranes
- Flashings
- Parapets
- Skylights
- Pitchpans
- Appurtenances
- Rooftop Equipment

## ROOF AND ROOFTOP SYSTEMS



- Interior Elements
- Ceiling Finishes
- Wall Finishes
- Flooring
- Lighting
- Fixed Components
- Accessibility Barriers
- Kitchen Equipment

## INTERIORS



- Heating
- Air-Conditioning
- Electrical
- Mechanical Rooms
- Vertical Transportation
- Life Safety
- Fire Protection / Security
- Plumbing / Sanitary

## MECHANICAL / MEP SYSTEMS



# SCOPE OF WORK

- **Visit the Property to evaluate the general condition of the building and site improvements, review available construction documents in order to familiarize ourselves with, and be able to comment on, the in-place construction systems, life safety, mechanical, electrical, and plumbing systems, and the general built environment.**
- **Identify those components that are exhibiting deferred maintenance issues and provide cost estimates for Immediate Costs and Replacement Reserves based on observed conditions, maintenance history and industry standard useful life estimates.**
- **Provide a full description of the Property with descriptions of in-place systems and commentary on observed conditions.**
- **Obtain background and historical information about the facility from a building engineer, property manager, maintenance staff, or other knowledgeable source.**
- **Review maintenance records and procedures with the in-place maintenance personnel.**
- **Observe a representative sample of the interior spaces to gain a clear understanding of the property's overall condition. Other areas to be observed include the exterior of the property, the roofs, interior common areas, and the significant mechanical, electrical and elevator equipment rooms.**

# DEFINITIONS

**Expected Useful Life (EUL)** – Industry standard life expectancies for facility assets.

**Effective Age** – The Assessors' professional opinion of an assets condition in terms of years as it relates to that asset's EUL.

**Remaining Useful Life (RUL)** – Difference between the EUL of an asset and its assigned effective age.

**Short term considerations** – A list of assets whose effective age has either reached or exceeded their industry accepted EULs.

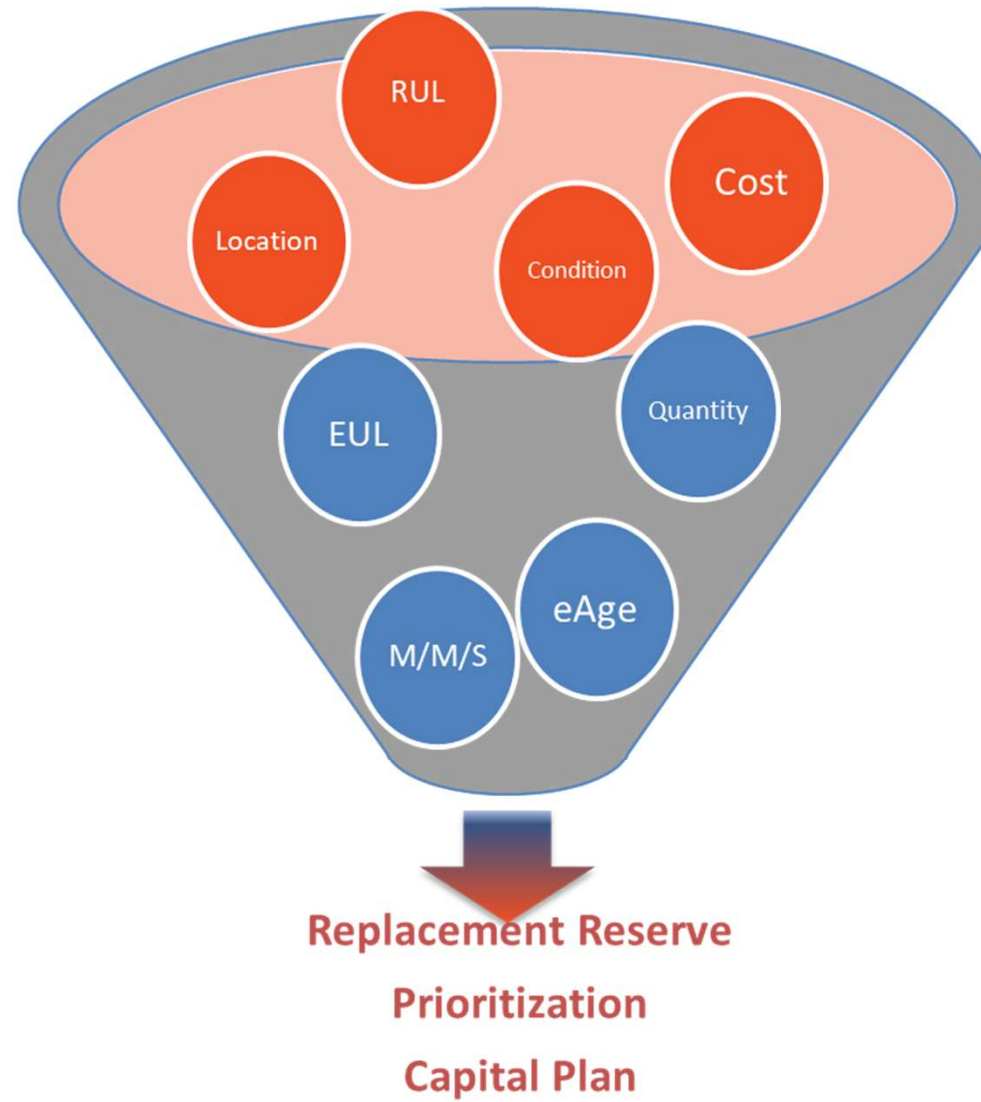
**Reserve Items** – A list of assets whose effective age has not yet attained their industry accepted EULs and whose replacement falls sometime within the reserve term or beyond.

**Current Replacement Value (CRV)** – Researched value to rebuild a facility.

**Facility Condition Index** – A simple equation of :

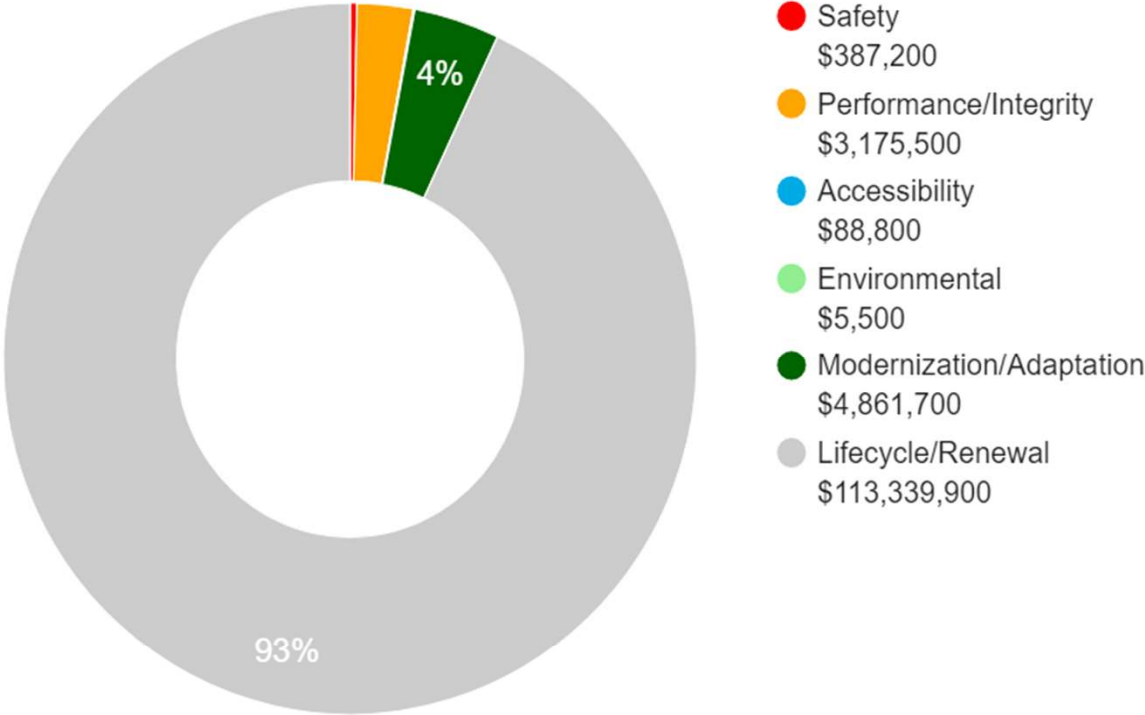
$$\text{(all facility needs)} / \text{CRV} = \text{FCI percentage}$$

# BUREAU VERITAS FINDINGS





# COST BY TYPE



10-YEAR TOTAL: \$121,858,600

# EXPENDITURE FORECAST

System Expenditure Forecast						
System	Immediate	Short Term (1-2 yr)	Near Term (3-5 yr)	Med Term (6-10 yr)	Long Term (11-20 yr)	TOTAL
Structure	\$4,500	\$187,600	\$6,600	\$2,600	\$39,000	\$240,100
Facade	\$538,700	\$66,000	\$287,400	\$883,800	\$2,677,800	\$4,453,500
Roofing	\$963,600	\$93,600	\$2,688,900	\$8,420,300	\$31,692,300	\$43,858,400
Interiors	\$1,078,700	\$248,400	\$4,240,200	\$19,505,900	\$33,294,100	\$58,367,100
Elevators	-	-	\$29,000	\$235,000	\$364,600	\$628,500
Plumbing	\$185,300	\$121,200	\$1,067,600	\$4,569,900	\$19,498,600	\$25,442,500
HVAC	\$1,308,300	\$253,900	\$5,739,300	\$4,397,600	\$28,293,600	\$39,992,500
Electrical	\$1,586,900	\$132,900	\$1,383,500	\$17,358,400	\$36,492,300	\$56,953,900
Equipment/Special	\$236,500	\$464,900	\$3,223,400	\$5,613,600	\$15,685,300	\$25,223,400
Site	\$775,800	\$436,600	\$2,376,600	\$11,740,200	\$22,685,600	\$38,014,800
Electronic Safety & Security	\$245,900	-	\$1,485,600	\$11,299,100	\$20,779,200	\$33,809,600
Fire Protection	\$461,700	-	\$1,630,600	\$518,600	\$2,970,100	\$5,580,800
Integrated Automation	\$115,500	-	\$577,200	\$1,750,500	\$4,788,300	\$7,231,200
Communications	-	-	\$94,400	\$1,081,900	\$432,700	\$1,608,900
Follow-up Studies	\$58,000	-	-	-	-	\$58,000
Accessibility	\$88,500	-	\$400	-	-	\$88,900
TOTALS	\$7,647,900	\$2,005,100	\$24,830,700	\$87,377,400	\$219,693,500	\$341,552,100

# KEY FINDINGS



**Pedestrian Pavement in Poor condition.**

Sidewalk, Concrete Sections/Small Areas  
CULLEOKA UNIT SCHOOL Site

Uniformat Code: G2031  
Recommendation: **Replace in 2021**

Priority Score: **94.8**  
Plan Type: Safety  
Cost Estimate: \$20,000  
\$\$\$\$

Uneven portions of the concrete sidewalk create a tripping hazard for the pedestrians and students. - AssetCALC ID: 1819019



**Play Surfaces & Sports Courts in Failed condition.**

Asphalt  
CULLEOKA UNIT SCHOOL Basketball court - exterior

Uniformat Code: G2051  
Recommendation: **Replace in 2020**

Priority Score: **91.9**  
Plan Type: Safety  
Cost Estimate: \$45,500  
\$\$\$\$

Severely deteriorated asphalt play area. - AssetCALC ID: 1819024



**Recommended Follow-up Study: Building Envelope, Masonry**

Building Envelope, Masonry  
CULLEOKA UNIT SCHOOL Old boiler room - external

Uniformat Code: P2032  
Recommendation: **Evaluate/Report in 2020**

Priority Score: **90.9**  
Plan Type: Safety  
Cost Estimate: \$7,000  
\$\$\$\$

Flooding of the old boiler room during heavy rainfall. Hazardous due to presence of electrical and mechanical equipment. - AssetCALC ID: 1818898



**Recommended Follow-up Study: Electrical System, Infrared Scan**

Electrical System, Infrared Scan  
E. A. COX MIDDLE Throughout building

Uniformat Code: P2032  
Recommendation: **Evaluate/Report in 2020**

Priority Score: **90.9**  
Plan Type: Safety  
Cost Estimate: \$5,000  
\$\$\$\$



# KEY FINDINGS



**Landscaping in Failed condition.**

Flat Areas, Re-slope  
E. A. COX MIDDLE Site

Uniformat Code: G1071  
Recommendation: **Regrade/Establish in 2020**

Priority Score: **90.9**

Plan Type: Safety

Cost Estimate: \$262,500

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Contractor did work - AssetCALC ID: 1813730



**Exterior Stair/Ramp Rails in Failed condition.**

Wood  
CENTRAL HIGH SCHOOL Site

Uniformat Code: B1085  
Recommendation: **Repair/Install in 2020**

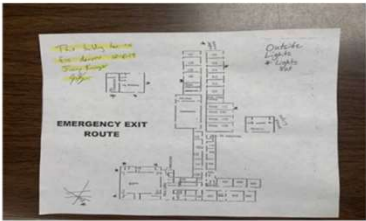
Priority Score: **90.9**

Plan Type: Safety

Cost Estimate: \$1,500

\$\$\$\$

Stairs area trip hazard. - AssetCALC ID: 1813418



**Recommended Follow-up Study: Fire Protection or Alarm Systems, General**

Fire Protection or Alarm Systems, General  
Agricultural Building(s) Agricultural bldg

Uniformat Code: P2032  
Recommendation: **Perform Study in 2020**

Priority Score: **90.9**

Plan Type: Safety

Cost Estimate: \$7,000

\$\$\$\$

The out buildings should be reviewed for current building code compliances. Fire dampers don&apos;t appear to be in use according to this diagram left by Alarm company last year. - AssetCALC ID: 1814528



**Interior Stair Treads in Poor condition.**

Raised Rubber Tile  
CULLEOKA UNIT SCHOOL Staircase

Uniformat Code: B1081  
Recommendation: **Replace in 2020**

Priority Score: **90.9**

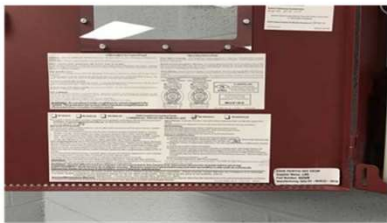
Plan Type: Safety

Cost Estimate: \$3,000

\$\$\$\$

Deteriorated rubber treads should be replaced in order to minimize safety concerns. - AssetCALC ID: 1819012

# KEY FINDINGS



## Fire Alarm Control Panel in Poor condition.

Addressable  
MT. PLEASANT MIDDLE Office

Uniformat Code: D7051  
Recommendation: **Replace in 2020**

Priority Score: **90.9**  
Plan Type: Safety  
Cost Estimate: \$15,000

\$\$\$\$

Fire alarm system reportedly not functioning properly, must be addressed - AssetCALC ID: 1815844



## Exterior Door in Poor condition.

Aluminum-Framed Fully-Glazed  
E. A. COX MIDDLE Building exterior

Uniformat Code: B2051  
Recommendation: **Replace in 2021**

Priority Score: **90.8**  
Plan Type: Safety  
Cost Estimate: \$19,500

\$\$\$\$

Doors did not operate smoothly when panic bar pushed. One door had mullion twist when used. Following are locations: 215, 206, 117, 114, 112, southend hall 200, southend hall 100, 307, cafe northeast, small gym south (twisting mullion), band room south - AssetCALC ID: 1816705



## Exterior Wall in Poor condition.

Brick or Brick Veneer, 1-2 Stories  
E. A. COX MIDDLE Building exterior

Uniformat Code: B2011  
Recommendation: **Repair/Repoint in 2020**

Priority Score: **89.9**  
Plan Type:  
Performance/Integrity  
Cost Estimate: \$49,500

\$\$\$\$

Repointing will keep water from getting into walls - AssetCALC ID: 1813625



## Exterior Wall in Poor condition.

Brick or Brick Veneer, 1-2 Stories  
McDOWELL ELEMENTARY Building entrance

Uniformat Code: B2011  
Recommendation: **Repair/Repoint in 2020**

Priority Score: **89.9**  
Plan Type:  
Performance/Integrity  
Cost Estimate: \$330,000

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Sections of cracked brick and mortar joints were observed. - AssetCALC ID: 1809487

- Facility Condition Index = building needs/building replacement cost
- Higher Number indicates greater need

## FCI Ranges & Description

**0 – 5%** In new or well-maintained condition, with little or no visual evidence of wear or other deficiencies.

**5 – 10%** Subjected to wear but is still in a serviceable and functioning condition.

**10 – 60%** Subjected to hard or long-term wear. Nearing the end of its useful or serviceable life.

**60% and above** Has reached the end of its useful or serviceable life. Renewal is now necessary.



# FCI

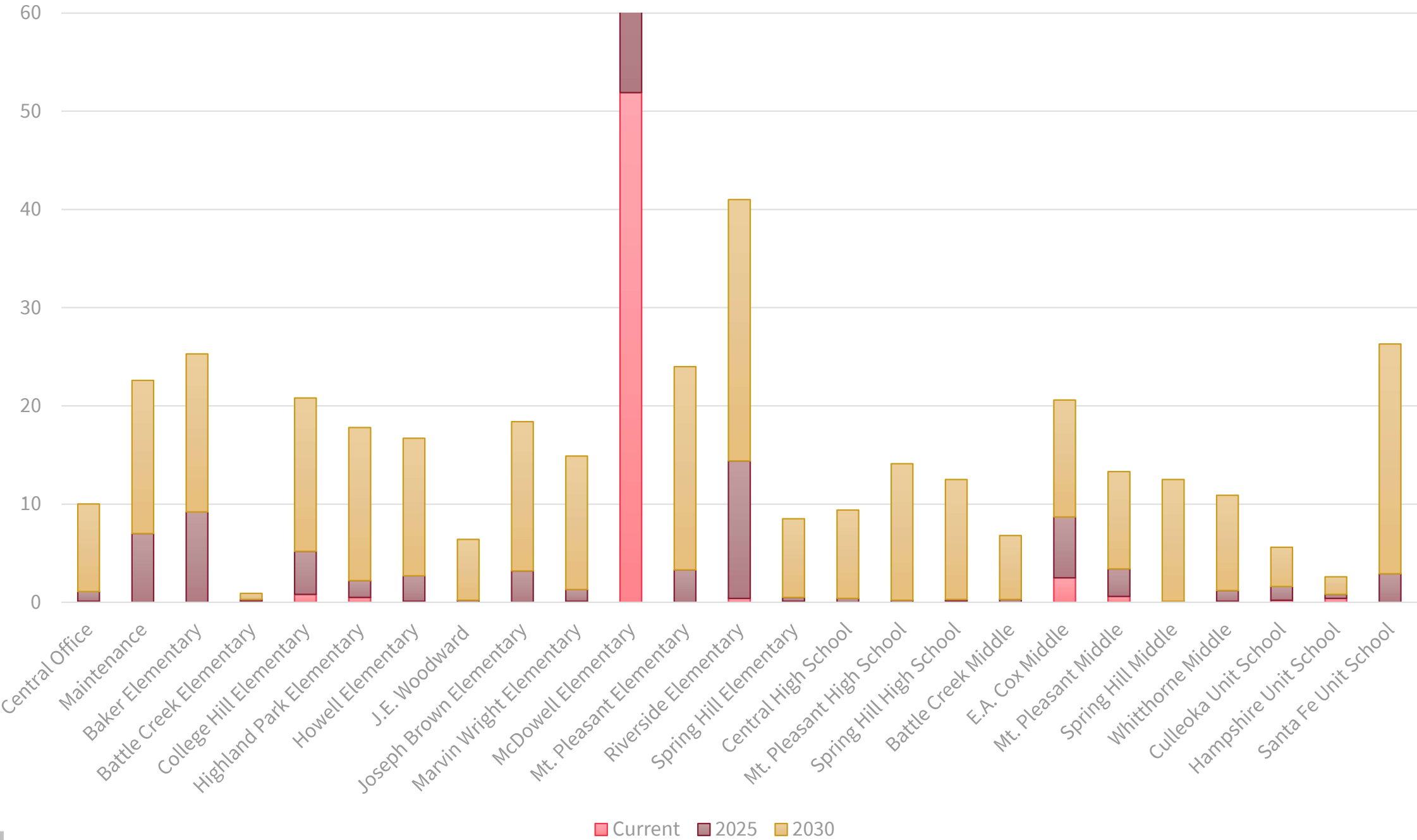
FCI = Deferred Maintenance + Immediate Repairs

## Building Replacement Cost

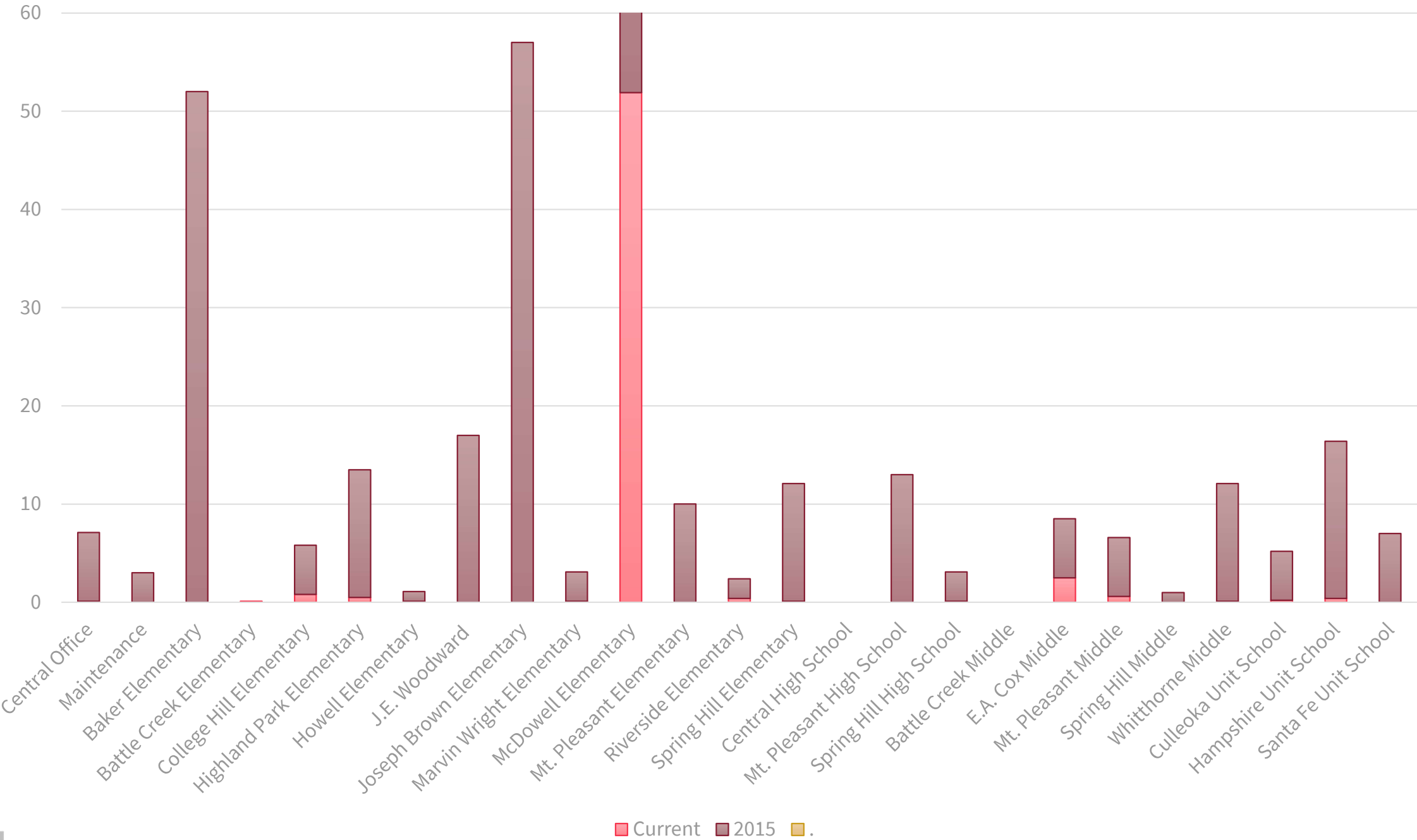
Facility (year built)	Total SF	Replacement Value	Current	3-Year	FCI 5-Year	10-Year
Administration / CENTRAL OFFICE	15,400	\$3,850,000	0.1%	0.1%	1.0%	8.9%
Administration / MAINTENANCE DEPT.	9,400	\$2,350,000	0.0%	0.4%	7.0%	15.6%
Elementary Schools / BAKER ELEMENTARY	54,000	\$13,500,000	0.0%	0.8%	9.2%	16.1%
Elementary Schools / BATTLE CREEK ELEMENTARY	90,000	\$22,500,000	0.1%	0.1%	0.2%	0.6%
Elementary Schools / COLLEGE HILL (1958)	42,110	\$10,527,500	0.8%	2.0%	4.4%	15.6%
Elementary Schools / HIGHLAND PARK ELEMENTARY (1978)	47,800	\$11,950,000	0.5%	1.3%	1.7%	15.6%
Elementary Schools / HOWELL ELEMENTARY	81,600	\$20,400,000	0.1%	0.9%	2.6%	14.0%
Elementary Schools / J. E. WOODARD ELEMENTARY	76,200	\$19,050,000	0.0%	0.0%	0.2%	6.2%
Elementary Schools / JOSEPH BROWN ELEMENTARY	56,720	\$14,180,000	0.0%	0.1%	3.2%	15.2%
Elementary Schools / MARVIN WRIGHT ELEMENTARY	82,855	\$20,713,750	0.1%	0.1%	1.2%	13.6%
Elementary Schools / McDOWELL ELEMENTARY	46,145	\$11,536,250	51.9%	51.9%	52.5%	58.9%
Elementary Schools / MT. PLEASANT ELEMENTARY (1978)	80,021	\$20,005,250	0.0%	0.2%	3.3%	20.7%
Elementary Schools / RIVERSIDE ELEMENTARY	71,150	\$17,787,500	0.4%	1.7%	14.0%	26.6%
Elementary Schools / SPRING HILL ELEMENTARY	69,000	\$17,250,000	0.1%	0.2%	0.4%	8.0%
High Schools / CENTRAL HIGH SCHOOL	245,800	\$61,450,000	0.0%	0.0%	0.4%	9.0%
High Schools / CENTRAL HIGH SCHOOL / Agricultural Building (1960)	7,100	\$1,775,000	0.0%	0.0%	2.7%	6.9%
High Schools / CENTRAL HIGH SCHOOL / Gymnasium Building (1960)	18,800	\$4,700,000	0.1%	0.1%	0.2%	5.3%
High Schools / CENTRAL HIGH SCHOOL / Vocational Building (1960)	25,800	\$6,450,000	0.0%	0.0%	0.3%	11.2%
High Schools / MT. PLEASANT HIGH SCHOOL	110,759	\$27,689,750	0.0%	0.0%	0.2%	13.9%
High Schools / MT. PLEASANT HIGH SCHOOL / Construction Bldg (1971)	7,000	\$1,750,000	0.0%	0.0%	0.5%	3.7%
High Schools / MT. PLEASANT HIGH SCHOOL / Field House (2010)	10,000	\$2,500,000	0.0%	0.0%	0.0%	3.8%
High Schools / MT. PLEASANT HIGH SCHOOL / Main School (1969)	103,759	\$25,939,750	0.0%	0.0%	0.1%	8.8%
High Schools / MT. PLEASANT HIGH SCHOOL / Outbuildings	2,500	\$625,000	0.0%	0.0%	0.0%	4.0%
High Schools / SPRING HILL HIGH	181,800	\$45,450,000	0.1%	0.2%	1.3%	12.2%
High Schools / SPRING HILL HIGH / G Building (1992)	6,200	\$1,550,000	0.0%	0.4%	4.2%	6.6%
High Schools / SPRING HILL HIGH / Main High School Building (1992)	181,800	\$45,450,000	0.1%	0.1%	0.8%	9.7%
High Schools / SPRING HILL HIGH / Sport Facility Main Buildings (1992)	5,000	\$1,250,000	0.0%	0.1%	2.6%	12.6%
Middle Schools / BATTLE CREEK MIDDLE	125,000	\$31,250,000	0.0%	0.0%	0.3%	6.5%
Middle Schools / E. A. COX MIDDLE	151,560	\$37,890,000	2.5%	4.0%	6.2%	11.9%
Middle Schools / MT. PLEASANT MIDDLE	113,938	\$28,484,500	0.6%	1.4%	2.8%	9.9%
Middle Schools / SPRING HILL MIDDLE	158,106	\$39,526,500	0.0%	0.0%	0.1%	12.4%
Middle Schools / WHITTHORNE MIDDLE	175,600	\$43,900,000	0.1%	0.3%	1.1%	9.7%
Unit Schools / CULLEOKA UNIT SCHOOL (1969)	205,800	\$51,450,000	0.2%	0.6%	1.4%	4.0%
Unit Schools / HAMPSHIRE UNIT SCHOOL (1978)	79,200	\$19,800,000	0.4%	0.4%	0.5%	1.8%
Unit Schools / HAMPSHIRE UNIT SCHOOL / Agricultural Building(s) (2000)	6,700	\$1,675,000	1.2%	1.2%	1.2%	1.2%
Unit Schools / HAMPSHIRE UNIT SCHOOL / Athletic Complex (1978)	1,900	\$475,000	0.0%	0.4%	0.4%	1.8%
Unit Schools / HAMPSHIRE UNIT SCHOOL / Main Building (1978)	66,000	\$16,500,000	0.3%	0.3%	0.3%	1.7%
Unit Schools / SANTA FE UNIT SCHOOL	94,225	\$23,556,250	0.0%	0.0%	2.9%	23.4%



Current, 5 Year and 10 Year FCI



2015 vs 2020



# CAPITAL NEEDS DATABASE

Location	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	Total Escal
West Police Precinct	\$34,654	\$10,671	\$24,166	\$179,111	\$154,363	\$61,489	\$226,220	\$426,409	\$66,773	\$0	
GrandTotal	\$34,654	\$10,671	\$24,166	\$179,111	\$154,363	\$61,489	\$226,220	\$426,409	\$66,773	\$0	

Report SectionID	Cost Description	Lifespan (EUL)	EAge	RUL	Quantity	Unit	Unit Cost	Subtotal	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	Deficiency Repair Estimate
3.1	515037 ADA, Parking, Designated Stall with Pavement Markings & Signage (Van), Install	0	12	0	1	EA	\$1,391.50	\$1,392	\$1,392										\$1,392
5.2	515040 Roadways, Asphalt Pavement, Seal & Stripe	5	3	2	17500	SF	\$0.38	\$6,641			\$6,641					\$6,641			\$13,283
5.2	515042 Parking Lots, Asphalt Pavement, Seal & Stripe	5	12	* 0	26300	SF	\$0.38	\$9,981	\$9,981					\$9,981					\$19,962

Cost Description	Lifespan (EUL)	EAge	RUL	Quantity	Unit	Unit Cost	Subtotal	2017	2018	2019
37 ADA, Parking, Designated Stall with Pavement Markings & Signage (Van), Install	0	12	0	1	EA	\$1,391.50	\$1,392	\$1,392		
10 Roadways, Asphalt Pavement, Seal & Stripe	5	3	2	17500	SF	\$0.38	\$6,641			\$6,641
12 Parking Lots, Asphalt Pavement, Seal & Stripe	5	12	* 0	26300	SF	\$0.38	\$9,981	\$9,981		
16 Parking Lots, Asphalt Pavement, Mill & Overlay	25	21	4	26300	SF	\$3.28	\$86,275			
11 Parking Lots, Asphalt Pavement, Full Depth (Includes sub-base), Repair	0	27	0	2500	SF	\$5.90	\$14,750	\$14,750		
03 Landscaping, Ground Cover, Regrade/Establish	25	25	0	2300	SF	\$3.71	\$8,531	\$8,531		
06 Halogen Lighting Fixture, 250 W, Replace	20	16	4	10	EA	\$1,048.84	\$10,488			

8.1	515329 Interior Floor Finish, Concrete, Prep & Paint	10	8	4	800	SF	\$9.23	\$7,388			\$7,388								\$7,388
8.1	515305 Interior Floor Finish, Vinyl Tile (VCT), Replace	15	7	8	8500	SF	\$4.80	\$40,805								\$40,805			\$40,805
8.1	519599 Interior Floor Finish, Vinyl Sheeting, Replace	15	11	4	800	SF	\$7.01	\$5,607					\$5,607						\$5,607
8.1	515304 Interior Floor Finish, Carpet Tile Commercial-Grade, Replace	10	7	3	17000	SF	\$6.96	\$118,368				\$118,368							\$118,368
8.2	515366 Commercial Kitchen, Freezer, 1-Door Reach-In, Replace	15	11	4	1	EA	\$2,838.00	\$2,838					\$2,838						\$2,838
8.2	515363 Commercial Kitchen, Refrigerator, 2-Door Reach-In, Replace	15	11	4	1	EA	\$4,256.00	\$4,256					\$4,256						\$4,256
Totals, Unescalated									\$34,654	\$10,360	\$22,779	\$163,912	\$137,149	\$53,041	\$188,455	\$346,710	\$52,711	\$0	\$1,010,771
Location Factor (1.00)									\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Totals, Escalated (3.0% inflation, compounded annually)									\$34,654	\$10,671	\$24,166	\$179,111	\$154,363	\$61,489	\$226,220	\$426,409	\$66,773	\$0	\$1,183,855



HIERARCHY

UNIFORMAT

Level 1

Level 2

Level 3

Level 4

A Substructure	B Shell	C Interiors	D Services	E Equipment & Furni...	F Special Construct...	G Building Sitework	P Follow-up Studies
D10 Conveying		D20 Plumbing		D30 HVAC		D40 Fire Protection	
D3010 Energy Supply	D3020 Heat Generating Systems		D3030 Cooling Generating Systems	D3040 Distribution Systems	D3050 Terminal & Package Units	D3060 Controls & Instrumentation	Systems
D3021 Boilers	D3022 Boiler Room Piping & Specialties		D3023 Auxiliary Equipment		D3024 Insulation	D3029 Heat Generating Systems -	

boiler

Clear search

Advanced search

Showing 30 of 46 matches for: Keyword: "boiler" x UniFormat Code: D3021 x

Id	UF Category	Cost Description	EUL		
20823	D3021 Boilers	Boiler, Dual Fuel, 1,000 to 2,000 MBH, Replace	30		Select Details
20824	D3021 Boilers	Boiler, Dual Fuel, 2,001 to 20,000 MBH, Replace	30	\$	Select Details
20825	D3021 Boilers	Boiler, Dual Fuel, 20,001 to 40,000 MBH, Replace	40	\$1,118,50	Select Details
20826	D3021 Boilers	Boiler, Dual Fuel, 40,001 to 80,000 MBH, Replace	40	\$1,588,324.00 EA	Select Details
20827	D3021 Boilers	Boiler, Electric, 2 kW, Replace	20	\$745.80 EA	Select Details
20828	D3021 Boilers	Boiler, Electric, 3 to 6 kW, Replace	20	\$2,237.84 EA	Select Details
20829	D3021 Boilers	Boiler, Electric, 7 to 10 kW, Replace	20	\$3,638.75 EA	Select Details

# INVENTORY

UF_Cod	Component	Asset_T	Capacity	Building	Location_Detail	Manufacturer	Model	Serial	Datapl
D1011	Elevator		15 HP	High Schools / SPRING HILL HIGH / Main High School Building	Elevator Room	Dover Elevators	EP-60-15	E-C9013	1992
D1011	Elevator		2500 LB	High Schools / CENTRAL HIGH SCHOOL	Elevator	Inaccessible	Inaccessible	Inaccessible	2018
D1011	Elevator		3000 LB	Middle Schools / WHITTHORNE MIDDLE	Elevator	Unitc	120-25-80-S		2018
D1012	Wheelchair Lift			Elementary Schools / HOWELL ELEMENTARY	Gymnasium	Savaria	V1504-2P	2P150499190 3456	1999
D2061	Air Compressor		10 HP	High Schools / CENTRAL HIGH SCHOOL / Vocational Building	Building exterior	Ingersoll Rand	2545	6041680	
D2061	Air Compressor		5 HP	High Schools / CENTRAL HIGH SCHOOL / Vocational Building	Classrooms	Campbell Hausfeld	HS518000AJ	045564623074	2017
D2061	Air Compressor		5 HP	High Schools / SPRING HILL HIGH / Main High School Building	Building exterior	Campbell Hausfeld	HS518000AJ	2009653	2017
D2061	Air Compressor		120 GAL	High Schools / MT. PLEASANT HIGH SCHOOL / Construction Bldg	Construction	Ingersoll Rand	Illegible	0701120197	
D2061	Air Compressor		No tag/plate found	High Schools / MT. PLEASANT HIGH SCHOOL / Main School	Building exterior	Snap-On	BRA7380V	7K68472	
D2061	Compressed Air Dryer			High Schools / SPRING HILL HIGH / Main High School Building	Main Boilers Room		No tag/plate found	No tag/plate found	
D3015	Fuel Storage Tank		1	High Schools / MT. PLEASANT HIGH SCHOOL / Site	Site	Modern Welding Company	81829	1508	1994
D3021	Boiler		1500 MBH	Unit Schools / CULLEOKA UNIT SCHOOL	Boiler room	Lochinvar	FBL1501	1642103662206	
D3021	Boiler		1679 MBH	Middle Schools / SPRING HILL MIDDLE	Room 116D	Raypak Inc.	H9-2002B	0902293630	2009
D3021	Boiler		1679 MBH	Middle Schools / SPRING HILL MIDDLE	Room 116D	Raypak Inc.	H9-2002B	0902293631	2009
D3021	Boiler		200 MBH	High Schools / CENTRAL HIGH SCHOOL / Vocational Building	Utility closet	RITE	200	7716666	
D3021	Boiler		2000 MBH	Elementary Schools / HIGHLAND PARK ELEMENTARY	Mechanical room	Lochinvar	FBN2001	1906 113632098	2019
D3021	Boiler		2100 MBH	Elementary Schools / COLLEGE HILL	Mechanical room	Bryan Boilers	CL 210-W-FDG	83577	1999
D3021	Boiler		2500 MBH	Middle Schools / WHITTHORNE MIDDLE	Boiler room	Cammus	DR3W-2500-MSI	051520982	2015
D3021	Boiler		2500 MBH	Elementary Schools / McDOWELL ELEMENTARY	Boiler room		WGB-2500	V566608	2008
D3021	Boiler		2500 MBH	Middle Schools / WHITTHORNE MIDDLE	Boiler room	Cammus	DR3W-2500-MSI	051520983	2015
D3021	Boiler		2500 MBH	Elementary Schools / MARVIN WRIGHT ELEMENTARY	Room 126	Lochinvar	FBL2500	1545102184005	2015
D3021	Boiler		2500 MBH	Unit Schools / CULLEOKA UNIT SCHOOL	Boiler room	Lochinvar	FBL2500	1643103686375	
D3021	Boiler		285 MBH	Middle Schools / BATTLE CREEK MIDDLE	Mechanical room	Lochinvar	SNA286-125	1844 112426142	2019
D3021	Boiler		285 MBH	Middle Schools / BATTLE CREEK MIDDLE	Mechanical room	Lochinvar	SNA286-125	1844 112426137	2019
D3021	Boiler		3500 MBH	High Schools / SPRING HILL HIGH / Main High School Building	Main Boilers Room	Lochinvar	FBN3500	1735107291946	2019
D3021	Boiler		3500 MBH	High Schools / SPRING HILL HIGH / Main High School Building	Main Boilers Room	Lochinvar	FBN3500	1734107226619	2019





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