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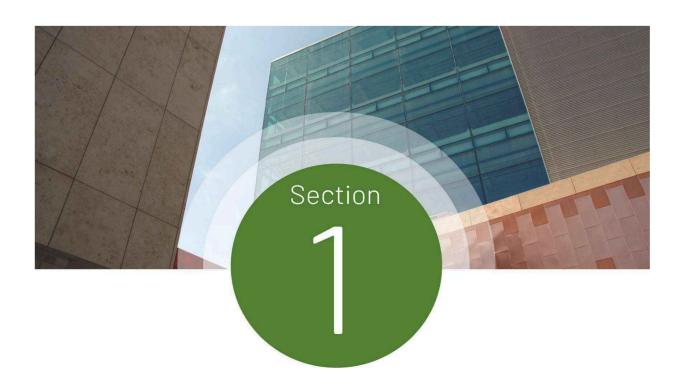
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#### **Project Goals**

The contents of this report present the results of the Facility Condition Assessment (FCA) performed at PSD Global Academy Charter School within the Poudre School District (PSD) on June 6, 2023. PSD intends to utilize the findings of this report to inform both capital and operating budgets, prioritize maintenance efforts, and optimize planning processes as replacements and upgrades of assets and facility systems become necessary in the future.

#### **Facility List**

The scope of the FCA project included the assessment of the following campus.

FACILITY NAME	AREA (SF)	YEAR(S) BUILT
PSD GLOBAL ACADEMY CHARTER SCHOOL	28,528	1957
TOTAL	28,528	

#### **Facility Summary**

#### **PSD Global Academy Charter School**

PSD Global Academy Charter School is located at 703 E. Prospect Rd., Fort Collins, CO 80525. This 28,528 SF facility consists of one level and was initially constructed in 1957. The equity index for this school is 1.21.



**PSD Global Academy Charter School** 

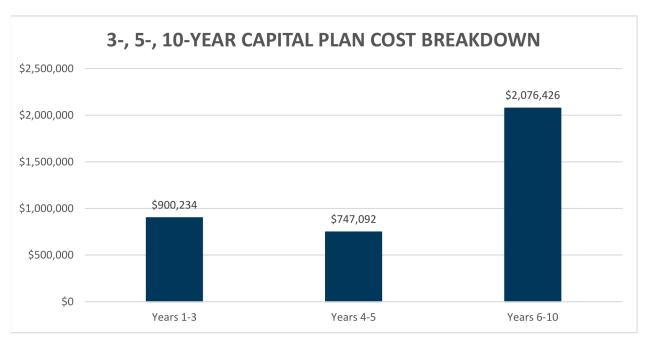
#### **Assessment Summary**

This section summarizes the building systems at the facility and describes the general condition observed based on the assessment performed on June 6, 2023. Additional details, findings and recommendations are presented in Section 3 of this report.

#### **Capital Plan Summary**

The estimated replacement costs for equipment expected to fail within the next ten years are shown below, divided into three separate plans. These plans are the 3-Year Plan, 5-Year Plan, and the 10-Year Plan. Each plan includes the cost for replacement of equipment expected to fail during these periods, based on the observed condition of the equipment at the time of the assessment.

Replacement costs include 3% inflation year over year.

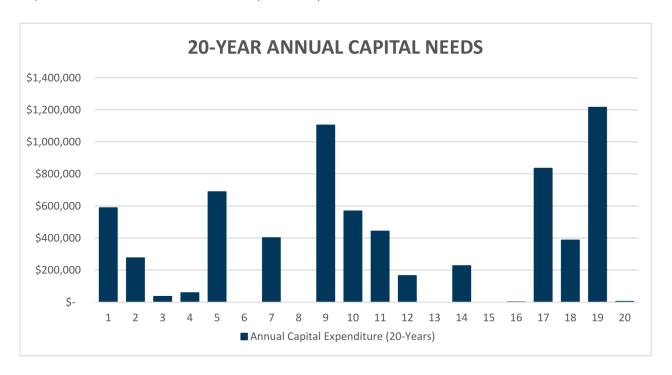


3-, 5-, 10-Year Capital Plan Cost Breakdown

#### **Annual Capital Expenditure (20 Years)**

20-Year Annual Capital Needs and 20-Year Annual Capital Expenditure by Subsystem below indicate the estimated replacement costs for equipment expected to fail within the next twenty years, and are displayed both by year and by subsystem.

Replacement costs include 3% inflation year over year.

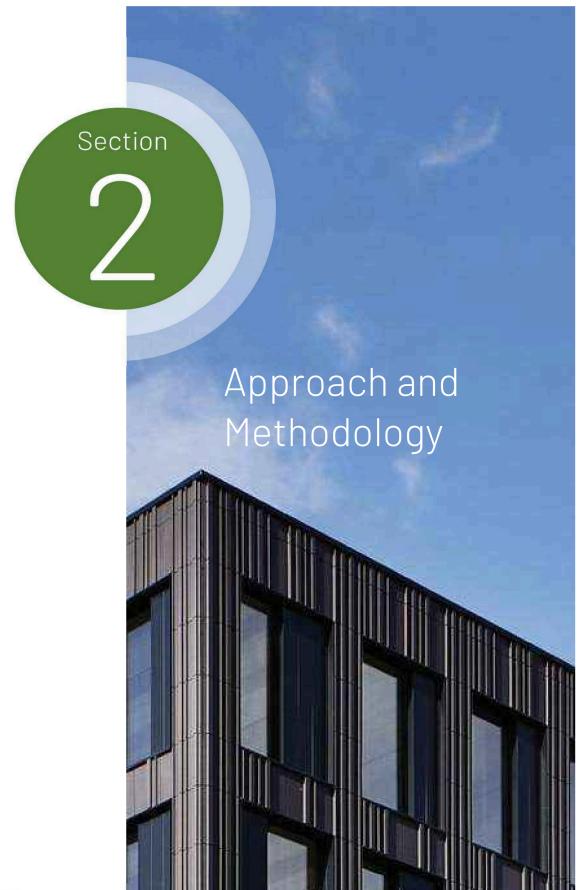


Annual Capital Expenditure by Year

Replacement costs associated with the Annual Capital Expenditure graph and table include values that are adjusted for inflation.

20-Year Annual Capital Expenditure by Subsystem

Subsystem	Years 1-5	Years 6-10	Years 11-15	Years 15-20
B20 - Enclosure	\$524,839	\$155,317	\$261,056	\$0
B30 - Roofing	\$57,479	\$36,801	\$0	\$384,118
C10 - Int. Construction	\$87,105	\$958,178	\$0	\$0
C20 - Stairs	\$0	\$14,613	\$0	\$0
C30 - Interior Finishes	\$170,035	\$361,368	\$108,028	\$822,403
D10 - Conveying	\$0	\$0	\$0	\$0
D20 - Plumbing	\$33,835	\$0	\$38,038	\$0
D30 - HVAC	\$107,474	\$130,950	\$259,856	\$1,224,430
D40 - Fire Suppression	\$0	\$0	\$0	\$0
D50 - Electrical	\$666,558	\$419,200	\$166,548	\$14,603
E10 - Equipment \$0		\$0	\$0	\$0
Total:	\$807,868	\$550,150	\$464,441	\$1,239,033





#### Scope and Approach

#### **SCOPE OF WORK**

The scope of this facility condition assessment includes all major mechanical, electrical, and plumbing equipment, and commercial refrigeration equipment. In addition, the building enclosure, roofing, interior construction and finishes, and fire suppression systems are included within the assessment. Turf, site assets, kitchen assets besides walk-in freezers, exhaust fans and kitchen make up air units are not included in scope.

The following table lists the general asset types included within the scope of this assessment. Also shown is the corresponding Uniformat code, which has been used to catalog equipment based on type and intended use.

#### **UniFormat Classification of Building Systems**

UNIFORMAT CODE	CATEGORY DESCRIPTION
B20	Exterior Enclosure (i.e. windows, walls, doors)
B30	Roofing (i.e. roofing covering, skylights, etc.)
C10	Interior Construction (i.e. doors, walls)
C20	Interior Stairs (i.e. stair construction)
C30	Interior Finishes (i.e. flooring, ceiling finishes, etc.)
D10	Conveying (i.e., elevators)
D20	Plumbing (i.e., water heating, pumps, compressors)
D30	Heating, Ventilation, and Air Conditioning
D40	Fire Suppression Systems
D50	Electrical (panelboards, transformers, switchgear)
E10	Equipment, Kitchen Hoods, Walk-in Units, etc.

#### RATINGS, METHODS AND SCORING

To allow Poudre School District more flexibility in prioritizing capital planning efforts, McKinstry has developed the following metrics which assign various scores to each asset.

#### **Asset Condition**

Condition ratings are presented for each asset as a score of 1-5. Scores are based upon a visual inspection during the building evaluation period. A score of 1 signifies that the asset is in great, "like new" condition. A score of 2 indicates that the asset is in good condition. A score of 3 signifies that the asset is in expected "average" condition based on function and the age of the asset. A score of 4 signifies that the asset is in poor condition, in need of repair, and will require replacement in the near future. A score of 5 signifies that the asset is in very poor or failed condition and in need of imminent replacement.

SCORE	CONDITION ASSESSMENT			
1	Asset is in great condition, no action required.			
2	Asset is in good condition, regular maintenance expected.			
3	Asset is in expected condition, regular replacement/maintenance expected.			
4	Asset is in poor condition, maintenance/replacement recommended soon.			
5	Asset is in very poor condition, urgent replacement needed.			

#### **Student/Teacher Impact**

Student/Teacher Impact scores are presented for each asset on a scale of 1-5 (low to high impact). This metric considers educational (student and/or teacher) impact caused if the equipment were to fail. Assets serving classrooms and other educational spaces are assigned scores of 2-5 depending on the impact the failure of an asset would have and if backups are available. A student/teacher impact score of 1 indicates that there is little to no impact to educational activities.

SCORE	STUDENT/TEACHER IMPACT			
1	Failure poses no significant educational impact.			
2	ailure poses low educational impact.			
3	Failure poses moderate impact. Asset serves teaching area, but has backup.			
4	Failure poses high educational impact.			
5	Failure poses severe impact. Asset serves teaching area and has no backup.			

#### **Energy Cost Impact**

The Energy Impact score is presented for each asset on a scale of 1-5 (low to high impact). Each of the asset types within the scope of this assessment were evaluated based on their impact to energy cost and consumption (including electrical, natural gas, and liquid fuels). Assets with a higher Energy Cost Impact score indicate that the asset has a large contribution to the overall energy costs of the facility. A sample of Energy impact scores is shown below:

ASSET TYPE	ASSET SIZE	ENERGY Cost Impact (1-5)
	less than 10,000 CFM	3
Air Handling Unit	between 10,000 CFM – 50,000 CFM	4
	greater than 50,000 CFM	5
	less than 200 tons	3
Chiller	between 200 – 500 tons	4
	greater than 500 tons	5
Computer Room AC	less than 10 tons	2
Condensing Unit Heat Pump	greater than 10 tons	3
Cooling Tower	less than 200 tons of rejection	2
Cooling Tower	greater than 200 tons of rejection	3
	less than 5 HP	2
Dust Collector	between 5 HP and 25 HP	3
	greater than 25 HP	4
Evhaust Fan	less than 5000 CFM	2
Exhaust Fan	greater than 5000 CFM	3
Fan Coil Unit	greater than 3000 CFM	2
	less than 200 MBH	2
Fuel Fixed Deiler	between 200 – 1000 MBH	3
Fuel Fired Boiler	between 1000 – 2000 MBH	4
	greater than 2000 MBH	5
	less than 100 MBH	2
Furnace	between 100 and 500 MBH	3
	greater than 500 MBH	4
Company	less than 500 KW	2
Generator	greater than 500 KW	3
	LED	2
Lighting, Exterior	Fluorescent	3
	HID/Incandescent	4
	LED	2
Lighting, Interior	Fluorescent	4
	HID/Incandescent	5
	less than 5,000 CFM	3
Make-Up Air Unit	between 5,000 and 25,000 CFM	4
	greater than 25,000 CFM	5
	less than 25 HP	2
Pumps	between 25 -150 HP*	3
	greater than 150 HP*	4
Return Fan	less than 20 HP	2
Supply Fan	greater than 20 HP*	3

ASSET TYPE	ASSET SIZE	ENERGY Cost Impact (1-5)
	less than 5 ton	2
Rooftop Unit	between 5 and 20 tons	3
Koortop onit	between 20 and 50 tons	4
	greater than 50 tons	5
Transformer	greater than 200 kVA	2
VFD	greater than 50 HP	2
Air Compressor		
Air Curtain		
Air Dryer		
Cabinet Unit Heater		
Dehumidifier		
Electric Duct Heater	All sizes	2
Humidifier		
Unit Heater	]	
Unit Ventilator	]	
Walk-In Condenser	]	
Walk-In Unit	1	
All Other	All sizes	1

\*Add 1 for direct drive motors

#### **Operational Impact**

Operational Impact scores are presented for each asset on a scale of 1-5 (low to high impact). This metric considers the operational impact caused if the equipment were to fail. Assets serving critical administrative and district operational spaces are assigned scores of 2-5 depending on the impact the failure of an asset would have and if backups are available. An operational impact score of 1 indicates that there is little to no impact to administrative or operational activities.

SCORE	OPERATIONAL COST IMPACT SCORE			
1	Asset has little to no operational impact.			
2	Asset has a low level of operational impact.			
3	Asset has a moderate operational impact.			
4	4 Asset has a high level of operational impact.			
5	Asset has severe operational impact.			

#### **Industry Life Expectancy**

The designed life expectancy for a given asset is determined using a combination of widely accepted industry standards including ASHRAE and BOMA, as well as a manufacturers' database of equipment life expectancies. This value is expressed in number of years.

#### **Observed Remaining Life**

The Observed Remaining Life is also expressed in number of years and takes into consideration the function and operating environment of the asset, as well as a determination based upon a visual inspection of the asset. The Observed Remaining Life value may vary from the Design Life value. For example, a secondary heat exchanger that has been well maintained may have an Observed Remaining Life that is greater than the expected Design Life. Likewise, a primary chilled water pump that has not been well maintained, and shows visual signs of premature wear and tear, may have an Observed Remaining Life that is less than the expected Design Life.

#### **Cost Estimating**

Based on the constraints of the scope outlined in the contract we have based our asset pricing upon industry standards, RSMeans, and pricing data sourced through McKinstry's construction division. This information is intended to assist in the prioritization and resource allocation associated with maintenance and capital replacement projects. Cost estimates are determined using specific characteristics of each asset (tonnage, motor size, capacity, etc.) along with one of several cost information data sets. Standard equipment warranties are included.

To clarify, all Estimated Replacement Costs include averages of the material cost of the asset, the demolition and installation of that asset type and are expressed in 2023 dollars. Additionally, site specific construction and equipment invoices have been utilized as available.

Costs associated with project design, contractor competence, commissioning, test and balance services and are excluded from the estimate and are the responsibility of the Client. McKinstry assumed a 3% inflation, applied year over year. All work is during normal business hours. For mechanical equipment any duct work, piping, existing appurtenances are to be reused; costs to repair or replace any lines going to or coming from the units is excluded. Existing isolation valves to be used; repair or replacement of isolation valves is excluded.

Costs typically associated with project-specific parameters are excluded and should be added at the discretion of the Client. Such exclusions include risks or contingencies such as asbestos abatement, other hazardous waste abatement, scope changes, design changes, taxes, special wage requirements such as Prevailing Wage rates, warranty management and unknown site conditions. Overtime and after-hours work is excluded. Any necessary structural or electrical upgrades to replace equipment is excluded. Incidental code violations resulting from project scope or execution are excluded. Correction of any existing code violations are excluded. Temporary heating, cooling, ventilation, and power during construction and the warranty period are excluded. Moving of heavy equipment or furniture to complete the work is excluded. Running and terminating new IP drops for equipment is excluded. Any changes to fire and life safety systems for mechanical equipment upgrades is excluded.

#### **Data-Driven Maintenance Approach**

Included with the submission of this report is the FCA Data Collection Workbook, which includes all data collected for each asset. The Workbook can be used to quickly sort through equipment and prioritize maintenance and replacement efforts. Additional observations and equipment details are provided within the workbook for each asset.

Each asset is classified according to building system, size, capacity, and other standards, as well as ratings of current condition and impact of failure. Such organization and classification facilitate searching and sorting the data for maintenance and replacement priorities. As mentioned, the impact ratings help to compare one asset to another. Based on observed condition and impact scores, the future maintenance priorities for each building are described further in later sections.

As each of the components identified in the workbook is repaired or replaced, the information can be revised to reflect the new conditions. Remaining useful life values can also be manually iterated one year from the assessment date to reflect fewer remaining years of life. Assets no longer in service can be removed from the list. Similarly, assets that have been newly installed can be added to the list. Following the impact guidelines, relative priority can be calculated for these assets.

#### **Equity Index**

As an additional metric to the six existing areas of the Facilities Condition Assessment, Poudre School District has created an Equity Index to assist in prioritizing facilities improvement projects. This number takes into account student poverty, students qualifying for ELA services, students qualifying for Special Education services, and students who are homeless. The calculated score for each school is based on these factors and where it falls in relation to the district average. The formula would be:

School Percentage in these areas added together as decimals

District Percentages in these areas added together as decimals

In this formula, a school with student needs equal to the district average would have an equity index of 1.0. Schools with student needs higher than the district average would have an Equity Index greater than 1.0. Schools with student needs less than the district average would have an Equity Index less than 1.0.

Category	Equity Index
Low	0.29
High	3.20
Average	1.11
Median	0.95

The equity index for PSD Global Academy Charter School is 1.21.

#### Sample Calculation:

School Name	School Population K-12 Total	F/R	ELL	SPED	McKinney- Vento	Total of Previous Columns	Equity Index Number = school average / district average
Sample	381	15.20%	0.00%	8.40%	0.00%	0.24	0.24/0.48 = 0.49
Grand PSD Total - Oct 2022							
Count	26,163	29.5%	5.8%	9.5%	3.4%	0.48	

F/R - Free or Reduced-Price Lunch; ELL- English Language Learners; SPED - Special Ed.; McKinnney-Vento - Homeless Assistance

Section

# Condition Assessment





#### SYSTEMS DESCRIPTION

This section summarizes the building systems at PSD Global Academy Charter School and describes the general condition observed based on the assessment. Specific findings and recommendations are detailed later in this report.

#### **Exterior Enclosure**

The exterior of this building is primarily comprised of brick, aluminum windows, and metal framed windows. The main entry to the school is an addition and has metal framed windows in good condition.

#### Roofing

The roofing of this facility is a sprayed membrane over an existing rolled asphalt. It appears as though the new roofing treatment is relatively new. Note that the sprayed membrane also covers some asphalt shingles on the West side of the building.

#### **Interior Construction and Finishes**

The primary partition assembly in this facility is a CMU partition (glazed in the corridors). Corridor carpet appears quite new and ceiling finishes appear in fair/good condition. Wet areas have tile and VCT floors. There are some stained carpet areas in the Gym. Note that there is a concrete finished mechanical basement accessed from the classroom corridor. There are small amounts of interior brick and original ceiling tiles.

#### Conveyance

N/A

#### **Electrical and Lighting**

The building's electrical distribution equipment consists of 120/208 panels and switchgear.

The fire alarm system dates to 2017. Interior lighting consists of fluorescent fixtures. Exterior lighting is made up of LED fixtures Consider upgrading the interior lighting to light emitting diode (LED) fixtures to reduce energy costs and maintenance needs.

#### **HVAC Systems**

The building's heating, ventilation, and air conditioning (HVAC) system consists of a hot water system, a rooftop unit, and VUVs. The building automation system is made up of Honeywell controls. Additional HVAC equipment includes condensing units, fan coil units, exhaust fans, unit heaters, and cabinet unit heaters.

#### **Plumbing**

Domestic hot water is provided by a natural gas fired water heater installed in 1979 should be replaced within the next year. Additional plumbing equipment includes backflow preventers, thermostatic mixing valve, storage tanks, and pumps.

#### **Fire Suppression**

N/A

#### **Equipment**

N/A

#### **PRIORITIES**

#### **SPECIFIC PRIORITIES**

The top capital measures (up to five max) have been detailed in the following tables. Each measure receives a priority level of 1, 2, or 3. A priority level of 1 indicates that the measure is considered an immediate concern or a potential hazard and should be addressed as soon as possible. A priority level of 2 indicates that the measure is considered urgent, but not a potential hazard or there is a less severe impact to occupants. A priority level of 3 indicates that the assets associated with the measure are nearing end of life, but have not yet failed or have a mild to moderate impact on occupant safety and comfort.

#### **PSD Global Academy Charter School**

#### **Replace Original Exterior Windows**

The following assets are included within this measure:

FCAID-460007, FCAID-460010, FCAID-460011





Priority Level: 2
Estimated Cost: \$399,950
Remaining Life: 1 year

#### **Replace Gutters and Metal Flashing**

Gutters and Metal Flashing installed in approximately 1975 have now surpassed their industry life expectancy These roofing components should be replaced within the next year.

The following assets are included within this measure:

FCAID-460017, FCAID-460018



Priority Level: 2
Estimated Cost: \$16,310
Remaining Life: 1 year

#### **Replace 1957 Acoustic Ceiling Tile**

This acoustic tile should be replaced within the

next year.

The following assets are included within this measure:

FCAID-460049





Priority Level: 1
Estimated Cost: \$44,360

Remaining Life: 1 year

#### **Replace the Gas Water Heater**

Domestic hot water is provided by a natural gas fired water heater installed in 1979, and should be replaced

within the next year.

The following assets are included within this measure:

FCAID-460060



Priority Level: 2
Estimated Cost: \$14,350
Remaining Life: 1 year

#### **Replace 1996 Carpet**

The carpeting that was installed in 1996 has surpassed its life expectancy It is recommended that these areas of carpet are replaced within the next year.

The following assets are included within this measure:

FCAID-460045

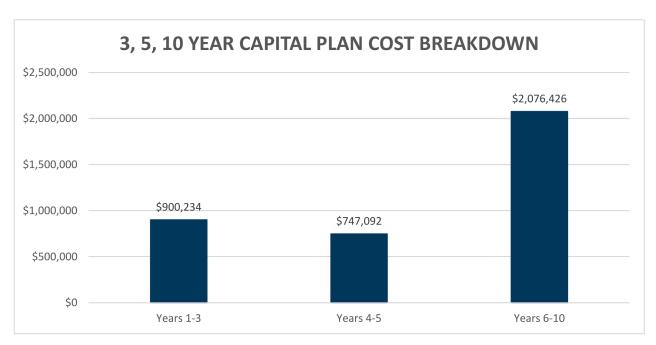


Priority Level: 3
Estimated Cost: \$77,530
Remaining Life: 1 year

#### 3-, 5-, 10-YEAR PLANS

The following sections present the expected equipment replacement costs over the next ten years, broken into three separate plans. These plans are the 3-Year Plan, 5-Year Plan, and the 10-Year Plan. Each plan includes the equipment expected to fail during these periods, based on the observed condition of the equipment at the time of the assessment. Note, the 3-Year Plan includes assets failing within the next three years, the 5-Year Plan includes assets failing between four and five years, and the 10-Year Plan includes assets failing between in the next six to ten years from the assessment date.

The chart below presents the total expected replacement costs for each plan. Note that these figures include 3% inflation YOY.



#### **Future Capital Plan**

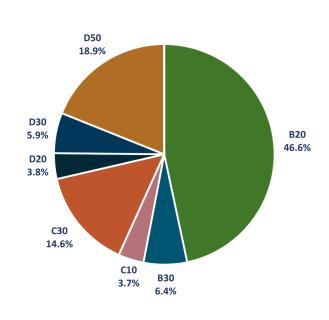
The table below displays replacement costs for the campus, and the number of associated assets expected to fail within the next ten years. Assets requiring replacement or extensive maintenance in this plan are presented in Appendices A, B, and C.

REPLACEMENT PERIOD	ASSET QUANTITY	CUMULATIVE REPLACEMENT COST
3-Year Plan	28	\$900,234
5-Year Plan	15	\$747,092
10-Year Plan	20	\$2,076,426
Total	63	\$3,723,752

#### **3-YEAR PLAN BREAKDOWN**

The three-year plan includes the estimated capital expenditure needed to replace assets reaching end of life in years 1-3, or between 2024 and 2026. The sum of the anticipated capital needs is \$900,234. The specific assets that will reach end of life in this period are listed in Appendix A.

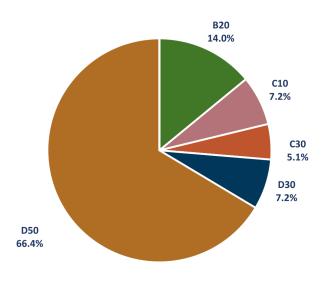
SUBSYSTEM	Years 1-3	Percent
A10 - Foundations	\$0	0%
B10 - Superstructure	\$0	0%
B20 - Exterior Enclosure	\$419,953	47%
B30 - Roofing	\$57,479	6%
C10 - Int. Construction	\$33,542	4%
C20 - Stairs	\$0	0%
C30 - Interior Finishes	\$131,813	15%
D10 - Conveying	\$0	0%
D20 - Plumbing	\$33,835	4%
D30 - HVAC	\$53,373	6%
D40 - Fire Protection	\$0	0%
D50 - Electrical	\$170,239	19%
E10 - Equipment	\$0	0%
G20 - Site Improvements	\$0	0%
G40 - Site Electrical	\$0	0%



#### **5-YEAR PLAN BREAKDOWN**

The five-year plan includes the estimated capital expenditure needed to replace assets reaching end of life in years 4-5, or between 2027 and 2028. The sum of the anticipated capital needs is \$747,092. The specific assets that will reach end of life in this period are listed in Appendix A.

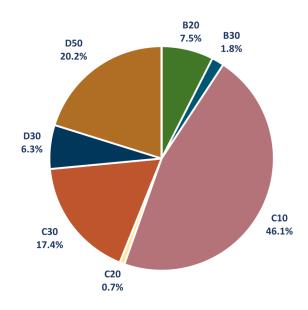
SUBSYSTEM	Years 4-5	Percent
A10 - Foundations	\$0	0%
B10 - Superstructure	\$0	0%
B20 - Exterior Enclosure	\$104,886	14%
B30 - Roofing	\$0	0%
C10 - Int. Construction	\$53,563	7%
C20 - Stairs	\$0	0%
C30 - Interior Finishes	\$38,222	5%
D10 - Conveying	\$0	0%
D20 - Plumbing	\$0	0%
D30 - HVAC	\$54,101	7%
D40 - Fire Protection	\$0	0%
D50 - Electrical	\$496,320	66%
E10 - Equipment	\$0	0%
G20 - Site Improvements	\$0	0%
G40 - Site Electrical	\$0	0%



#### **10-YEAR PLAN BREAKDOWN**

The ten-year plan includes the estimated capital expenditure needed to replace assets reaching end of life in years 6-10, or between 2029 and 2033. The sum of the anticipated capital needs is \$2,076,426. The specific assets that will reach end of life in this period are listed in Appendix A.

SUBSYSTEM	Years 6-10	Percent
A10 - Foundations	\$0	0%
B10 - Superstructure	\$0	0%
B20 - Exterior Enclosure	\$155,317	7%
B30 - Roofing	\$36,801	2%
C10 - Int. Construction	\$958,178	46%
C20 - Stairs	\$14,613	1%
C30 - Interior Finishes	\$361,368	17%
D10 - Conveying	\$0	0%
D20 - Plumbing	\$0	0%
D30 - HVAC	\$130,950	6%
D40 - Fire Protection	\$0	0%
D50 - Electrical	\$419,200	20%
E10 - Equipment	\$0	0%
G20 - Site Improvements	\$0	0%
G40 - Site Electrical	\$0	0%



#### **PRIORITY SUMMARY**

The summary below assigns a composite Overall Priority Score to the campus as of the assessment date. Priority Scores range from 6 (low priority) to 30 (high priority), and are based on asset condition, operating impact, student impact, energy impact, estimated replacement cost, and observed remaining life.

In addition to the Overall Priority Score, each Subsystem category within the site is assigned a Priority Score. This score can differentiate systems that may need more attention than others, due to condition or impact on occupants or operations. Each Subsystem category includes a general narrative section under the Description column.

#### **Future Capital Plan**

The Subsystem scores are color coded to reflect the level of priority: ≤12 = Green, 12.1-23.9 = Yellow, ≥24 = Red. Higher priority scores indicate that a system should be considered for maintenance or capital improvements before other systems with lower scores. The rating scale for Priority Score is visualized below.

LOW	MEDIUM-LOW	MEDIUM	MEDIUM-HIGH	HIGH
6	12	18	24	30

D20 - Plumbing

D30 - HVAC

D40 - Fire Suppression

D50 - Electrical

#### PRIORITY SCORE SUMMARY - PSD GLOBAL ACADEMY CHARTER SCHOOL

amounts of interior brick and original ceiling tiles.

heaters, and cabinet unit heaters. A few exhaust fans a

Generally, these assets are in good condition,

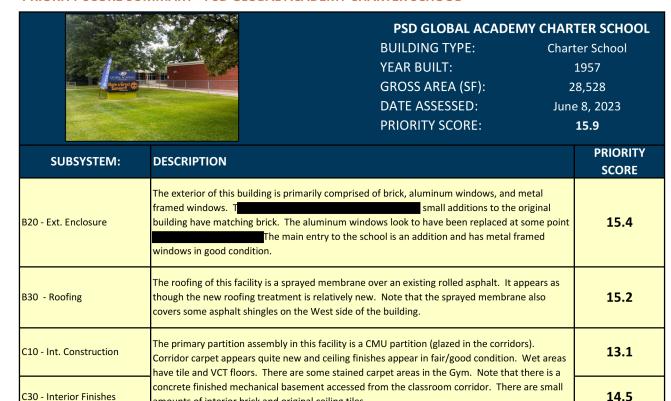
Exterior lighting is made up of LED fixture

maintenance needs.

life expectancies and should be replaced within the next two years.

storage tanks, and pumps.

N/A



Domestic hot water is provided by a natural gas fired water heater installed in 1979,

Additional plumbing equipment includes backflow preventers, thermostatic mixing valve,

The building's heating, ventilation, and air conditioning (HVAC) system consists of a hot water system, a rooftop unit, and VUVs. The building automation system is made up of Honeywell

The building's electrical distribution equipment consists of 120/208 panels and switchgear.

upgrading the interior lighting to light emitting diode (LED) fixtures to reduce energy costs and

The fire alarm system dates to 2017. Interior lighting consists of fluorescent fixtures.

controls. Additional HVAC equipment includes condensing units, fan coil units, exhaust fans, unit

should be replaced within the next year.

have surpassed their

13.4

14.3

N/A

22.1

E10 - Equipment N/A

System priority scored from 6 (lowest priority) to 30 (highest priority) based on condition, operating impact, student/teacher

impact, energy impact, estimated replacement cost, and observed remaining life. [≤12 = green, 12-24 = yellow, ≥24 = red]

# **Appendices**

A. 3-YEAR PLAN ASSETS LIST B. 5-YEAR PLAN ASSETS LIST C.10-YEAR PLAN ASSETS LIST

# Appendix A

#### **APPENDIX A: 3-YEAR PLAN ASSETS LIST**

The individual assets associated with the 3-Year Plan are shown below, sorted from highest to lowest priority score. The priority score key is shown below for convenience.

Note that these values represent current replacement costs expressed in 2023 dollar amounts and are not adjusted for inflation.

LOW	MEDIUM-LOW	MEDIUM	MEDIUM-HIGH	HIGH
6	12	18	24	30

The asset ID listed for each entry has been assigned during this assessment and reflects the corresponding asset in the FCA workbook.

#### PSD GLOBAL ACADEMY CHARTER SCHOOL

ASSET ID	DESCRIPTION	SUBSYSTEM	OBSERVED	REPLACEMENT	PRIORITY
			REMAINING	COST	SCORE
FCAID-460120	Emergency Lighting: Fluorescent	D50 - Electrical	2	\$108,690	25
FCAID-460007	Exterior Windows: Aluminum (1956)	B20 - Ext. Enclosure	1	\$326,170	21
FCAID-460117	Emergency Generator	D50 - Electrical	2	\$51,270	19
FCAID-460010	Exterior Windows: Metal (1956)	B20 - Ext. Enclosure	1	\$62,130	18
FCAID-460038	Interior Windows: Wood Framed (1956)	C10 - Int. Construct.	1	\$7,460	18
FCAID-460014	Roofing: Skylight	B30 - Roofing	2	\$37,050	17
FCAID-460011	Exterior Windows: Metal Framed (1958)	B20 - Ext. Enclosure	1	\$11,650	17
FCAID-460060	GWH-1	D20 - Plumbing	1	\$14,350	17
FCAID-460018	Roofing: Metal Flashing	B30 - Roofing	1	\$13,710	17
FCAID-460045	Interior Floor Finishes: Carpet	C30 - Int. Finishes	1	\$77,530	17
FCAID-460017	Roofing: Gutters & Downspouts	B30 - Roofing	1	\$2,600	17
FCAID-460083	EF-7	D30 - HVAC	2	\$8,660	16
FCAID-460009	Exterior Windows: Metal (1975)	B20 - Ext. Enclosure	2	\$19,420	16
FCAID-460020	Roofing: Roof Ladder	B30 - Roofing	2	\$2,920	16
FCAID-460075	EF- East Restrooms	D30 - HVAC	2	\$9,590	16
FCAID-460076	EF- West Restrooms	D30 - HVAC	2	\$9,590	16
FCAID-460049	Interior Ceiling Finishes: Tile	C30 - Int. Finishes	1	\$44,360	16
FCAID-460134	VFD	D50 - Electrical	1	\$5,480	15
FCAID-460052	Interior Floor Finishes: VCT (1975)	C30 - Int. Finishes	1	\$890	15
FCAID-460035	Interior Windows: Metal Framed (1956)	C10 - Int. Construct.	1	\$17,090	15
FCAID-460048	Interior Floor Finishes: Masonry Floor (197	C30 - Int. Finishes	2	\$8,770	15
FCAID-460034	Interior Windows: Metal (1975)	C10 - Int. Construct.	2	\$1,550	14
FCAID-460059	Sump Pump 1	D20 - Plumbing	1	\$5,620	14
FCAID-460039	Interior Wall Construction: Wood Panel (1	C10 - Int. Construct.	2	\$7,180	14
FCAID-460054	Thermostatic Mixing Valve 1	D20 - Plumbing	2	\$3,110	13
FCAID-460100	GUH-1	D30 - HVAC	3	\$5,030	13

FCAID-460058	Storage Tank-1	D20 - Plumbing	3	\$10,050	12
FCAID-460085	ET-1	D30 - HVAC	3	\$18,250	11

# Appendix B

#### **APPENDIX B: 5-YEAR PLAN ASSETS LIST**

The individual assets associated with the 5-Year Plan are shown below, sorted from highest to lowest priority score. The priority score key is shown below for convenience.

Note that these values represent current replacement costs expressed in 2023 dollar amounts and are not adjusted for inflation.

LOW	MEDIUM-LOW	MEDIUM-LOW MEDIUM MEDIUM-HIGH		HIGH
6	12	18	24	30

The asset ID listed for each entry has been assigned during this assessment and reflects the corresponding asset in the FCA workbook.

#### PSD GLOBAL ACADEMY CHARTER SCHOOL

ASSET ID	DESCRIPTION	SUBSYSTEM	OBSERVED Remaining Life	REPLACEMENT Cost	PRIORITY Score
FCAID-460121	Interior Lighting: Fluorescent	D50 - Electrical	5	\$436,760	25
FCAID-460081	EF-5	D30 - HVAC	4	\$8,660	14
FCAID-460080	EF-4	D30 - HVAC	4	\$8,660	14
FCAID-460008	Exterior Windows: Aluminum (1975)	B20 - Ext. Enclosure	5	\$93,190	14
FCAID-460082	EF-6	D30 - HVAC	4	\$6,210	14
FCAID-460078	EF-2	D30 - HVAC	4	\$8,660	14
FCAID-460079	EF-3	D30 - HVAC	4	\$8,660	14
FCAID-460077	EF-1	D30 - HVAC	4	\$8,660	14
FCAID-460116	ATS-1	D50 - Electrical	4	\$4,340	13
FCAID-460047	Interior Finishes: Concrete	C30 - Int. Finishes	5	\$33,960	13
FCAID-460025	Interior Wall Construction: Drywall (1958)	C10 - Int. Construct.	5	\$6,540	11
FCAID-460026	Interior Wall Construction: Drywall (1975)	C10 - Int. Construct.	5	\$15,680	11
FCAID-460024	Interior Wall Construction: Drywall (1956)	C10 - Int. Construct.	5	\$19,610	11
FCAID-460028	Interior Door: Movable Partition (1975)	C10 - Int. Construct.	5	\$3,270	11
FCAID-460033	Interior Windows: Glass Block (1956)	C10 - Int. Construct.	5	\$2,490	11

# Appendix C

#### APPENDIX C: 10-YEAR PLAN ASSETS LIST

The individual assets associated with the 10-Year Plan are shown below, sorted from highest to lowest priority score. The priority score key is shown below for convenience.

Note that these values represent current replacement costs expressed in 2023 dollar amounts and are not adjusted for inflation.

LOW	MEDIUM-LOW	MEDIUM-LOW MEDIUM MEDIUM-HIGH		HIGH
6	12	18	24	30

The asset ID listed for each entry has been assigned during this assessment and reflects the corresponding asset in the FCA workbook.

#### PSD GLOBAL ACADEMY CHARTER SCHOOL

ASSET ID	DESCRIPTION	SUBSYSTEM	OBSERVED Remaining Life	REPLACEMENT Cost	PRIORITY Score
FCAID-460119	Fire Alarm System	D50 - Electrical	9	\$222,230	23
FCAID-460099	RTU-1	D30 - HVAC	9	\$60,120	17
FCAID-460131	Security System	D50 - Electrical	9	\$108,690	17
FCAID-460046	Interior Floor Finishes: Carpet- (Newer)	C30 - Int. Finishes	7	\$302,640	16
FCAID-460073	CU-3	D30 - HVAC	9	\$7,540	14
FCAID-460029	Interior Wall Construction: CMU (1956)	C10 - Int. Construct.	9	\$381,200	14
FCAID-460074	CU-4	D30 - HVAC	9	\$7,540	14
FCAID-460016	Roofing: Capstone Coping (1956)	B30 - Roofing	7	\$24,460	14
FCAID-460071	CU-1	D30 - HVAC	9	\$7,540	14
FCAID-460072	CU-2	D30 - HVAC	9	\$7,540	14
FCAID-460030	Interior Wall Construction: CMU (1958)	C10 - Int. Construct.	10	\$362,140	13
FCAID-460041	Interior Stairs (1956)	C20 - Stairs	9	\$5,160	13
FCAID-460021	Roofing: Stone Coping	B30 - Roofing	7	\$6,360	13
FCAID-460042	Interior Stairs (1975)	C20 - Stairs	10	\$6,190	12
FCAID-460002	Exterior Wall: Masonry (1956)	B20 - Ext. Enclosure	9	\$52,610	11
FCAID-460031	Interior Wall Construction: Masonry (1956	C10 - Int. Construct.	9	\$2,190	10
FCAID-460003	Exterior Wall: Masonry (1958)	B20 - Ext. Enclosure	10	\$61,380	10
FCAID-460093	Gas Meter	D30 - HVAC	7	\$3,430	10
FCAID-460062	AS-1	D30 - HVAC	9	\$9,860	9
FCAID-460012	Exterior Wall: Stucco (1958)	B20 - Ext. Enclosure	10	\$6,580	9