

Accountability Report

2025



Facilities

**Mike Hurd, Superintendent of
Facilities**

April 14, 2025

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SOURCE DOCUMENTS:

- **SRPSD Policy 2: Role of the Board, item 8 states the following:**

“8.0 Fiscal Accountability

- 8.2 Approve annually the Preventative Maintenance and Renewal Plan and amendments.
- 8.3 Review facilities master plan and establish long-range capital priorities.
- 8.4 Approve the submission of capital projects to the Ministry of Education.

- **SRPSD Policy 13: Role of the Director of Education**

“6.0 Continuous Improvement Planning and Reporting

- 6.1 *Leads the strategic planning process including the development of Division goals, budget, student learning, facilities and transportation plans and implements plans as approved. Involves the Board appropriately (Board identification of priorities and outcomes, opportunity for Board input early in the process, final Board approval).”*

- **SRPSD 2024 -2030 Strategic Plan**

Core value related to the infrastructure and facilities indicates:

“Governance and Leadership”

- *Stewardship of resources, technology, infrastructure.*

Broad Strategies

- Use of Asset Planner for facility management.
- Engagement with community partners for shared facility usage.

- There are several Administrative Procedures that guide the work of the Facilities Department.

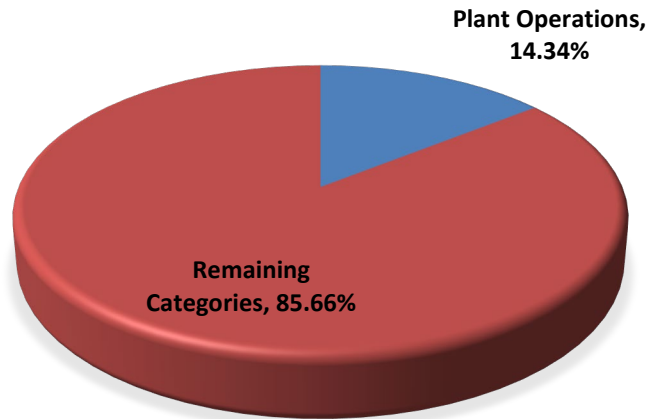
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EVIDENCE:

A. Budget

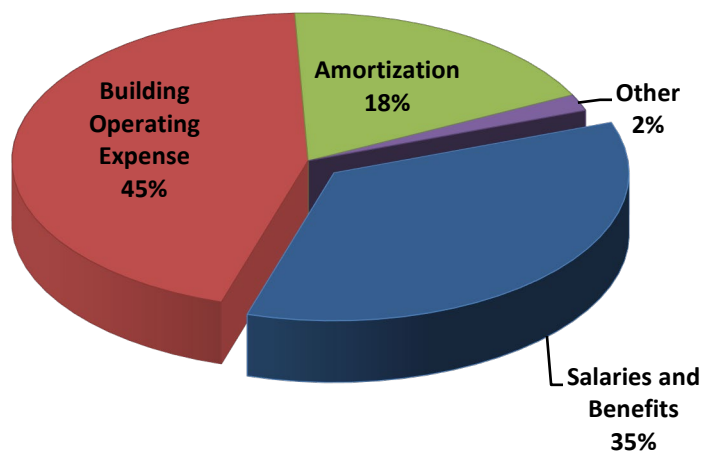
- Facilities operating budget is \$14.2 million.
- This includes PMR and capital expenditures.

PLANT OPERATIONS AND MAINTENANCE AS A PERCENTAGE OF BUDGET



Source: Budget 2023-24

Operating Budget

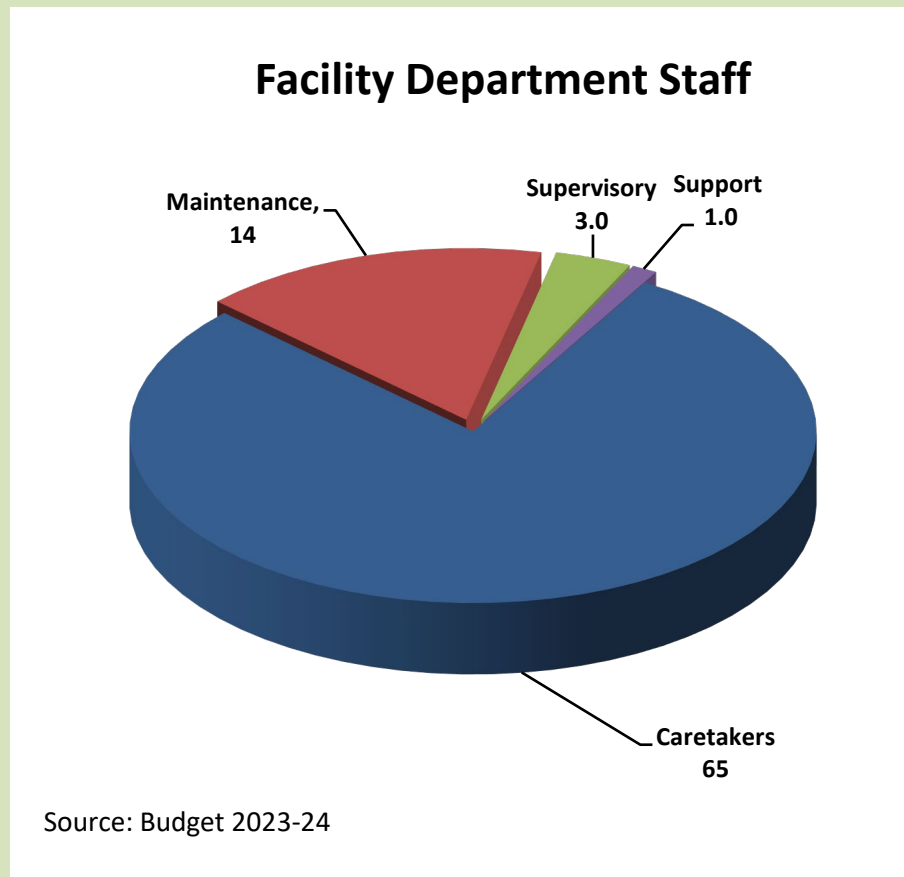


Source: Budget 2023-24

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B. Staff

- Total number of staff in the department – see below.

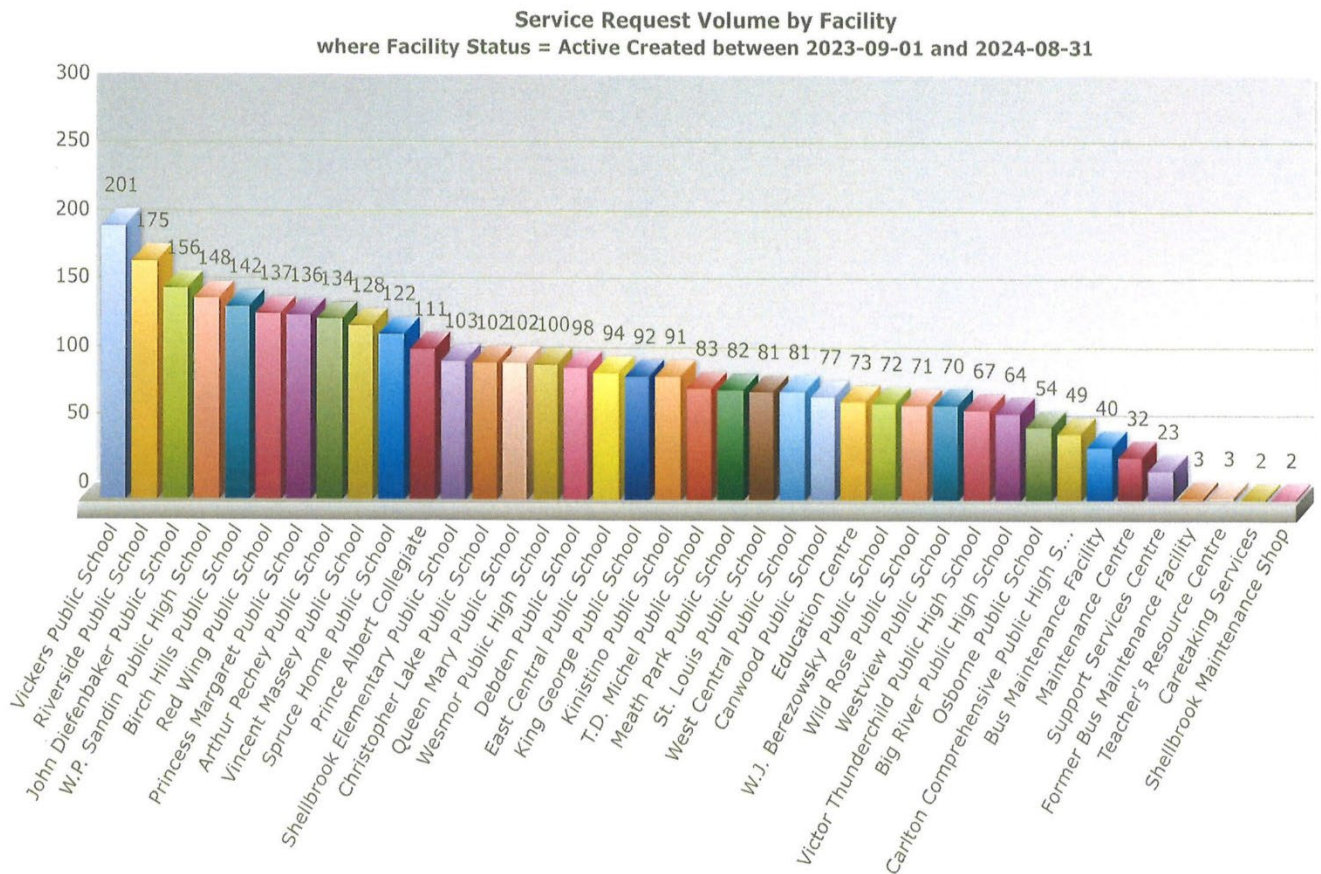


- Caretakers assigned to schools based on the size of the facility.
- Maintenance tradespersons (carpenters, plumbers, electrician, and welder) are assigned to the Maintenance Centre and service all facilities in the Division.
- Due to the size of facility, Carlton Comprehensive Public High School has three full time maintenance staff assigned to it permanently.

C. Maintenance Services Delivery Methods

- **Service Requests**
 - Service requests submitted electronically through the Asset Planner software by school administration and caretakers. The support person distributes the requests to the appropriate maintenance staff.
 - Approximately 250 service requests monthly.
 - Service requests reviewed quarterly to ensure targets for completion are being met.

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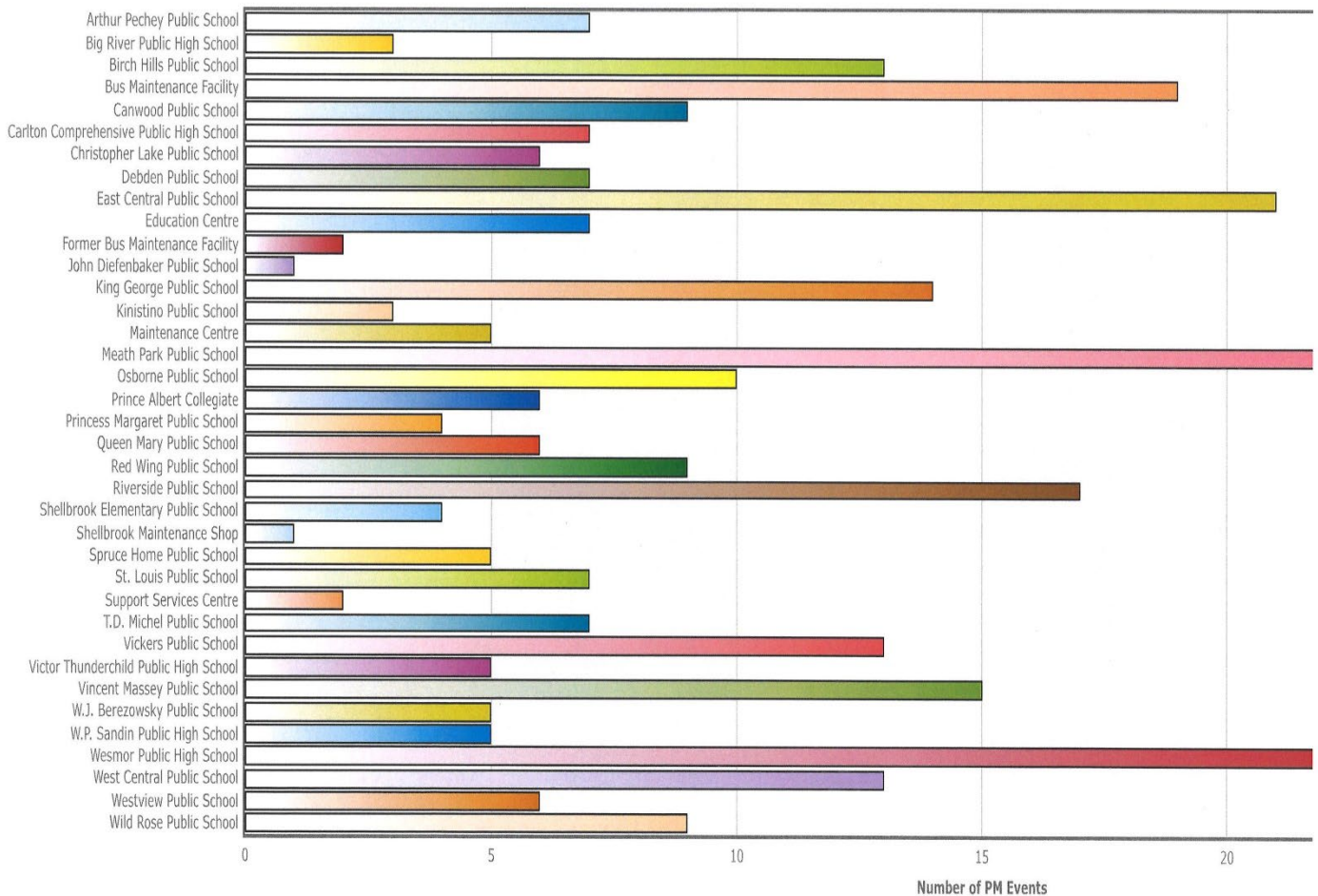
- **Preventative Maintenance Requests**

- Maintenance staff performs regularly scheduled maintenance on facility and components, i.e., boilers, furnaces, air-handling units.
- Approximately 230 preventative maintenance requests monthly.
- Preventative maintenance requests reviewed quarterly to ensure targets for completion are being met and discuss equipment that may be reaching the end of its lifecycle.

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Volume of PM Events by Facility

where Status = Scheduled and where Facility Status = Active Scheduled to start between 2023-09-01 and 2024-0



D. Projects

• Annual Small Projects

- Work is determined by regular facility inspections and annual review meetings with principals and the use of the Asset Planner audit module.
- Maintenance Centre staff undertook a large number of projects this past year, some examples are as follows:

Some examples of small projects:

- Flood restoration TD Michel Public School due to water supply line break.
- Renovations to Riverside Daycare Centre.
- Construct servery John Diefenbaker Public School.
- Built and installed new shelving units for gym storage rooms at Riverside Public School.
- Gymnasium floor restoration (complete takedown) Riverside Public School.
- Installation of phase I playground equipment Riverside Public School.
- Installation phase II playground equipment Spruce Home Public School.

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- Replaced wheelchair lift Carlton Comprehensive Public High School.
- Screened and recoated gym floors Carlton Comprehensive Public High School.
- Removed rail and reinstalled newly fabricated rail on west side wheelchair ramp Carlton.
- Replace fire alarm panel Carlton Comprehensive Public High School.
- Compressor replacement Bus Maintenance Facility.
- Refresh painting Bus Maintenance Facility.
- Refresh painting Exterior Canwood Public School.
- Renovations to elementary wing foyer Kinistino Public School.
- Construct pergola Kinistino Public School.
- Completion of replacement of all sidewalks PACI.
- Installation of turf École Vickers outdoor learning area.
- Replaced concrete walks and steps Victor Thunderchild Public High School.
- Replaced Asphalt around perimeter of school Vincent Massey Public School.
- Refresh painting Interior Westview Public School.
- Storage garage St Louis Public School.
- Fire sprinkler system repairs to meet code at École Vickers Public School.
- Exterior LED message board WJ Berezowsky Public School.
- Renovation to fitness area WP Sandin Public School.
- Replacement of windows in Daycare Centre Wesmor Public High School.
- Construct server West Central Public School.
- Flooring replacement Tower stairwells King George Public School.
- Construct sensory room École Debden Public School.
- Replace library flooring École Arthur Pechey Public School.
- Structural lintel repairs Spruce Home Public School stage.

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Phase 5 Carlton washroom renovation



John Diefenbaker servery renovation

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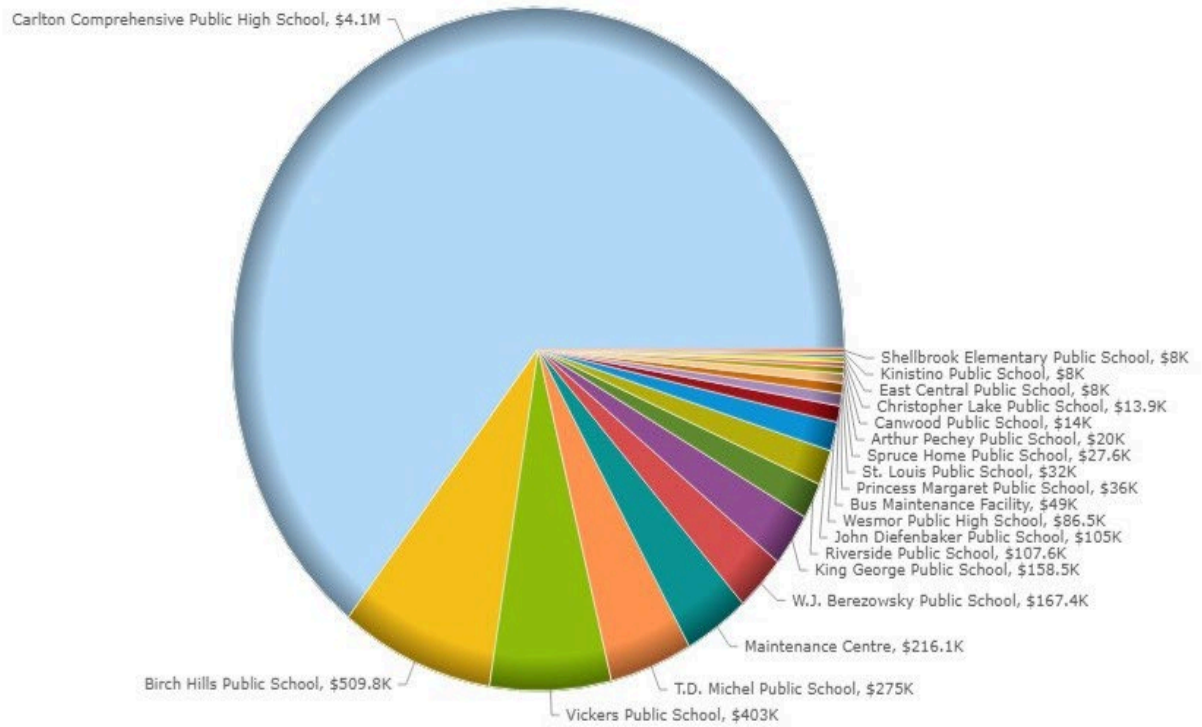
West Central servery renovation

- **Preventative Maintenance and Renewal (PMR)**
 - Ministry funding in addition to operating budget.
 - Based on square footage of facilities.
 - Board approved updated three-year PMR plan prior to May 31 of each year.
 - The Division received \$2,620,000.00.
 - Preventative Maintenance and Renewal Projects tracked on the Asset Planner software.

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Project Cost by Facility

where Status is Scheduled or Work in Progress or Completed and where Facility Status = Active Scheduled to start between 2023-09-01 and 2024-08-31



- **Major Projects**

- Construction of Max Clunie Football Field and Harry Jerome Track.
- Replacement of boilers École Vickers Public School.
- Replacement of roofs on the cafeteria and kitchen Carlton Comp Public High School.
- Replacement of all exterior doors on main and west entrances Carlton Comp Public High School.
- Conditional roofing assessment plan all SRPSD facilities.



Carlton front doors upgrade



Carlton West doors upgrade

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Max Clunie Football Field #1 and #2

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E. Capital Planning

• Summary

The present level of the deferred maintenance backlog and facility renewal for the SRPSD portfolio is about \$157 million. The replacement value of the assets estimated to be \$784 million based on cost per square foot analysis projections (in current year dollars). Using these two numbers, without funding, we find that the overall portfolio is in the “Poor” range (20% FCI) based on industry standards.

The current portfolio FCI of 20% is common among school boards & public infrastructure in Canada and can be effectively managed with adequate funding and the application of capital planning strategies. Without funding, the portfolio migrates to “Critical” by 2031 but with current funding the portfolio will reach “Critical” by 2050. The current estimated annual funding of \$5.3 Million extends the life of the portfolio by 19 years.

• Detailed Findings

○ Age Profile

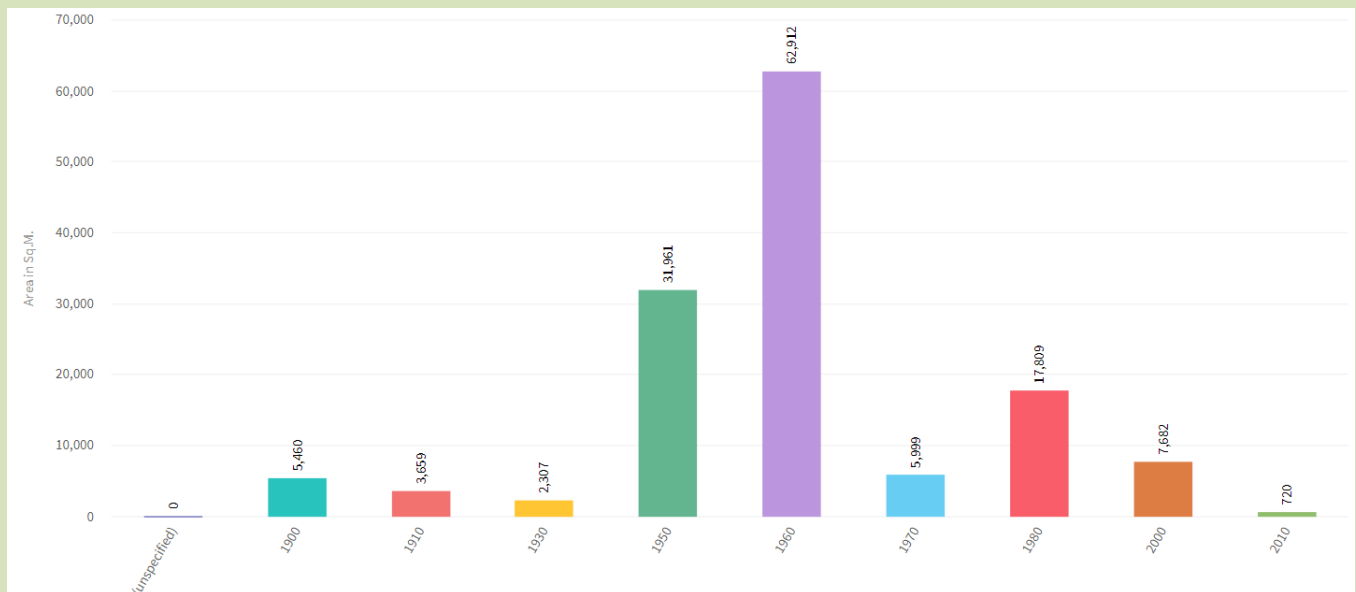


Figure 1: Age Profile of SRPSD Portfolio by Decade

The building ages vary from 1900 to 2012 with a weighted average portfolio age of 52 years (circa 1964). Over half of the portfolio – 25 facilities – representing 76% of the total portfolio size were constructed prior to 1970 while the remaining 19 facilities were constructed between 1970 and 2012.

As facilities age, they require increased maintenance and upkeep. The overall condition of the portfolio is directly attributable to the level of funding required for maintenance and building renewal.

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Life Cycle Projections

Based on preliminary estimates of life cycle timing and costs, the present level of the “Deferred Maintenance Backlog” is estimated at approximately \$157 million prior to any funding as shown in Figure 2 below. Life cycle renewal costs for the major building elements have been established for each building to determine the Capital Renewal budget requirements over the next 30 years. These repair and replacement values are in current year dollars.

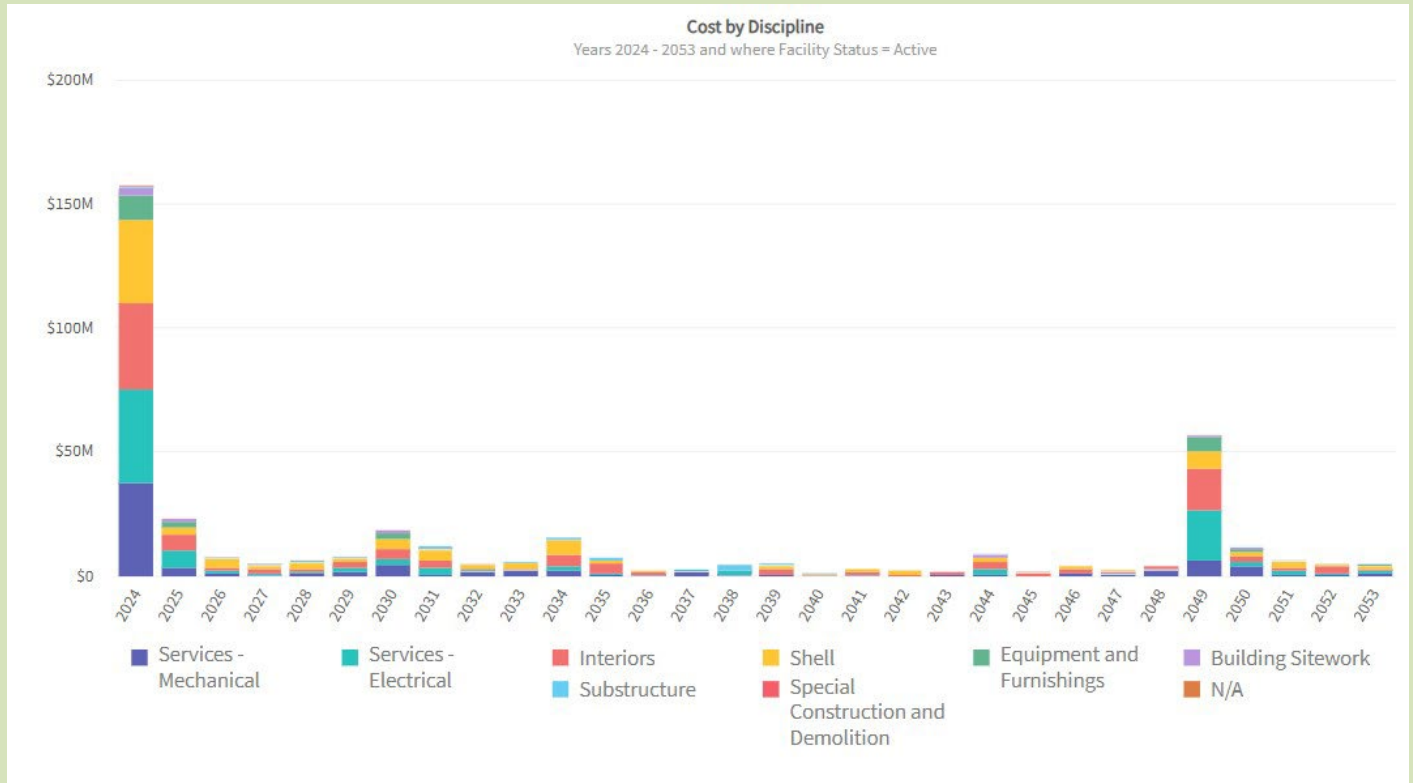


Figure 2: Current Deferred Backlog and 30-year Renewal Cost for all SRPSD Facilities

○ Capital Funding Analysis

How much funding is required?

Industry guidelines recommend an annual funding amount between 2% to 4% of the facility replacement value to adequately maintain them. In addition to an annual funding amount, special funds should be allocated to reduce the backlog of deferred maintenance.

Excluding special funds, the renewal funding required for SRPSD portfolio would translate to \$15.6 million annually (2% of \$784M replacement value).

Presently, the average funding for the SRPSD portfolio, allocated to deferred maintenance and capital renewal, is estimated to be \$5.3 million per year.

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Figure 3 below provides a graphical comparison of the cumulative renewal costs (top line) and the cumulative assumed current funding allocation (dark blue). The unfunded liability gap (light blue) in 30 years is approximately \$239 million.

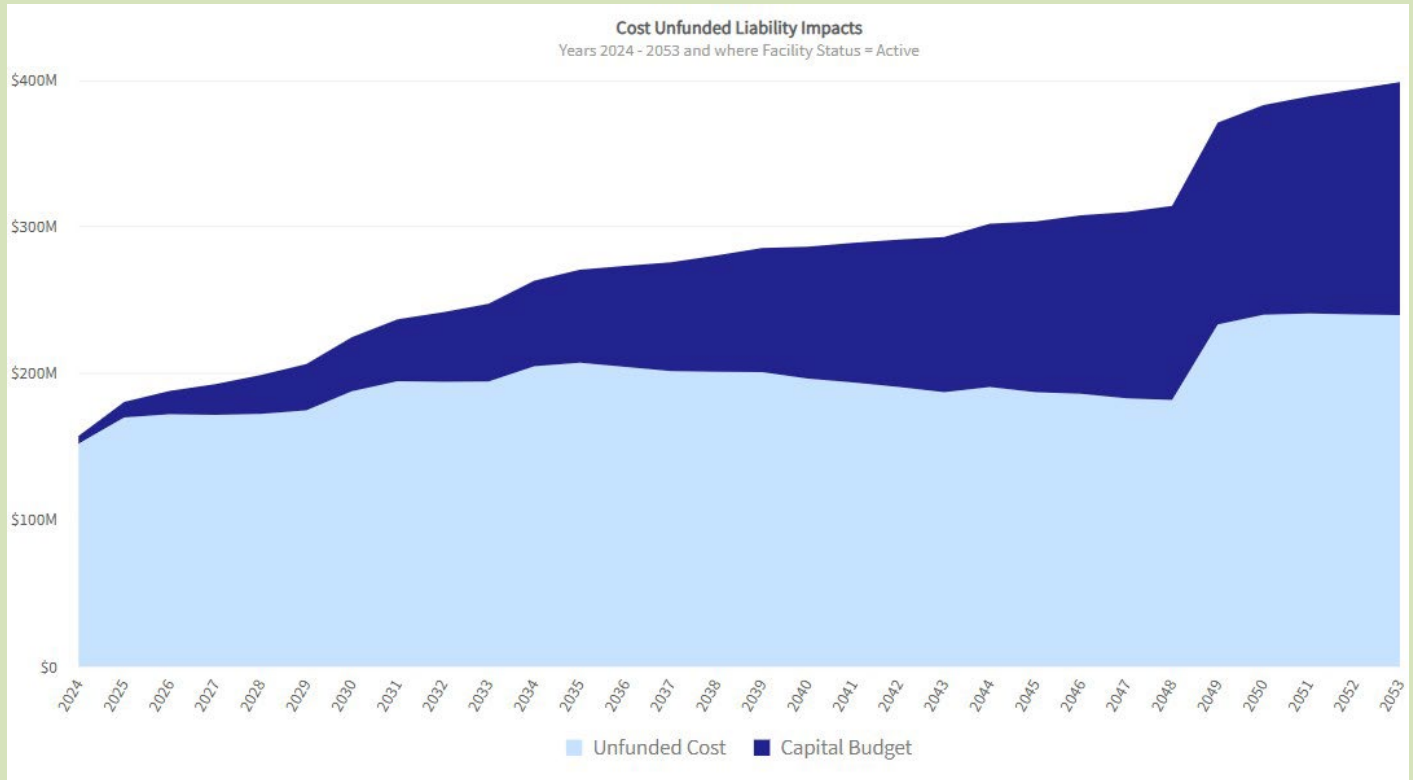


Figure 3: Cumulative Needs (top line) vs Available Funds (dark blue)

The unfunded figures represent the findings and results obtained from the life cycle renewal cost analysis.

Facility Condition Index (FCI)

The term Facility Condition Index (or FCI) is “a ratio of the cost of remedying capital deficiencies listed in the deferred maintenance backlog to the current replacement value”. The formula used for determining the FCI for a facility, or a component of the facility, is as follows:

$$F.C.I = \frac{\text{Unfunded Liability (\$)}}{\text{Current Replacement Value (\$)}}$$

Where the “Unfunded liability” represents the sum value of all capital deficiencies and renewal costs (at any given point in time) less the funding applied to the asset(s) for capital renewal. “Current Replacement Value” is defined as the total amount of expenditure in current dollars that would be required to replace the institution's facilities to its optimal condition.

As the FCI rating increases, facilities will experience:

- Increased failure risk to components
- Increased maintenance and operating costs of facilities
- Negative impacts on building occupants; Quality of Teaching & Learning

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Figure 4 below illustrates that the SRPSD Campus Portfolio has a deferred unfunded liability of 20% in the current year, which places the portfolio in the “Poor” range based on its current FCI rating and will migrate to the “Critical” range by 2031 (**black line**). With \$5.3 million in annual funding the current FCI is 19.4% and will migrate to the “Critical” range by 2050 (**blue line**).

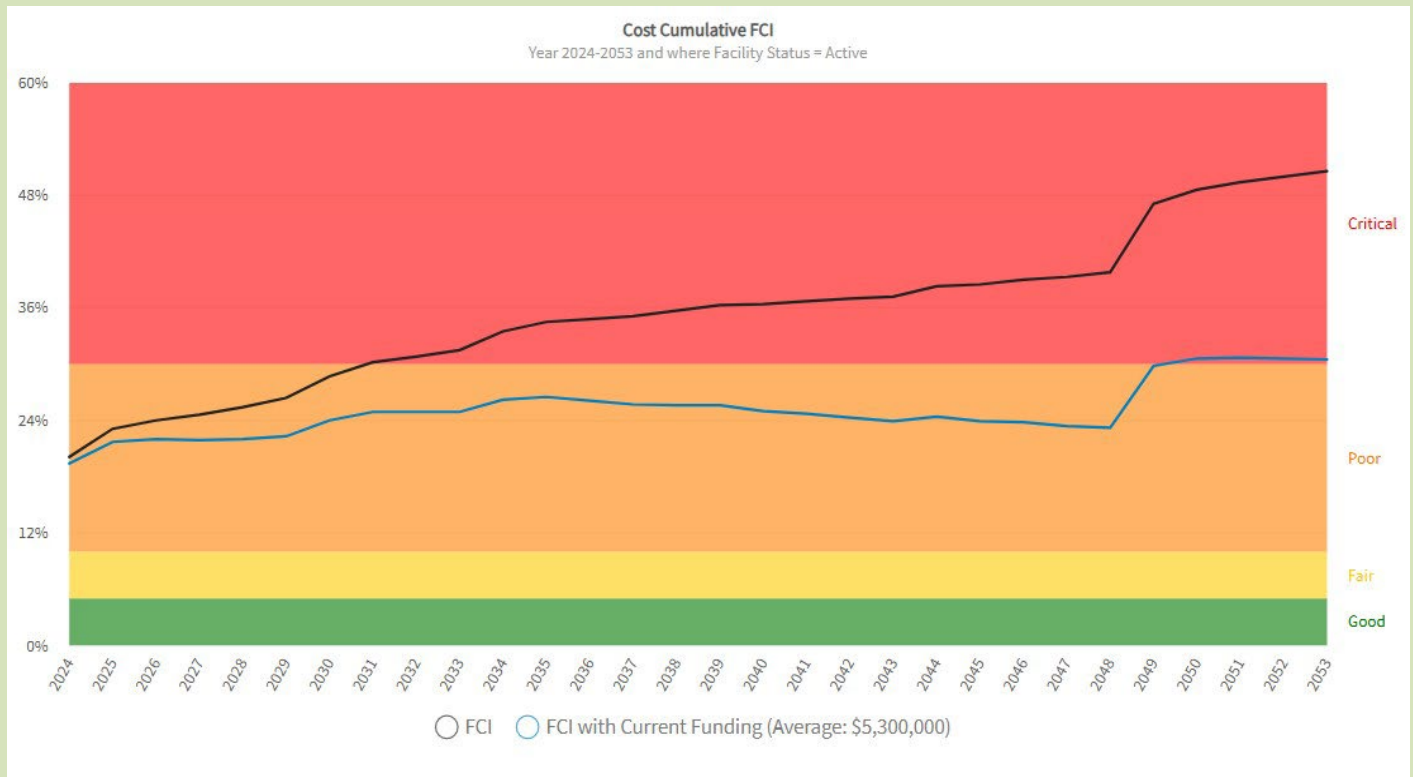


Figure 4: FCI & Backlog Funding Model for SRPSD Portfolio

Sustainability Target

Many Real Property Owners have begun using 10% as an appropriate FCI level for their portfolios, stating that it is acceptable to carry a deferred backlog of up to 10% of the replacement value of the asset.

If the deferred backlog can remain around 10%, then the assets will be continually “sustained” at an acceptable level of risk that preserves the initial capital investment and minimizes impacts to campus occupants. This Sustainability Target compared to the Unfunded Liability is shown below in Figure 5.

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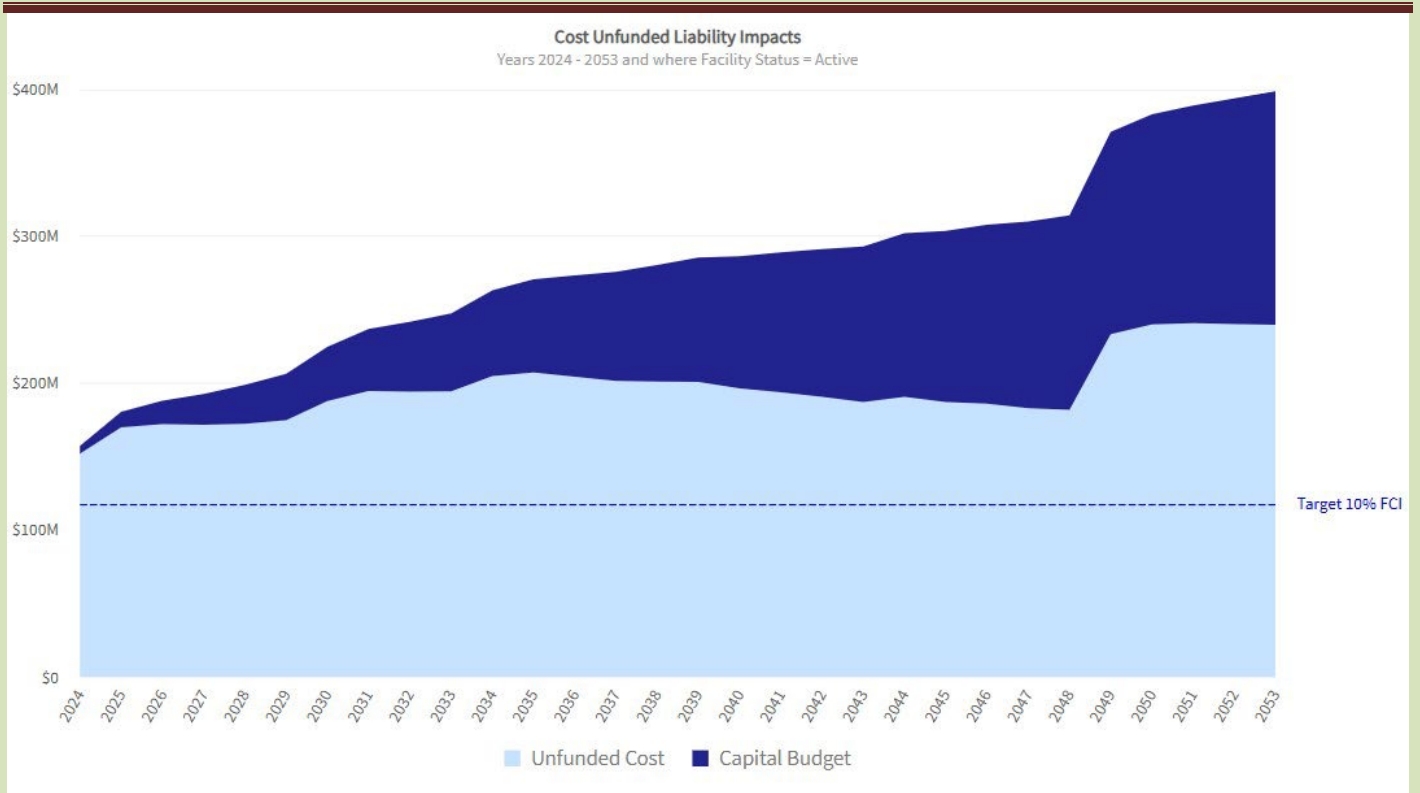


Figure 5: Unfunded Liability & Sustainability Target for SRPSD Portfolio

The Sustainability Target funding levels are illustrated below in Figure 6 in what is known as the Backlog Funding Model. Based on the projected future funding level a Facilities Condition Index (FCI) is calculated. To maintain the facilities in a “Fair” state of repair (based on a 10% FCI rating), about \$10.6 million will need to be applied annually for the next 30 years.

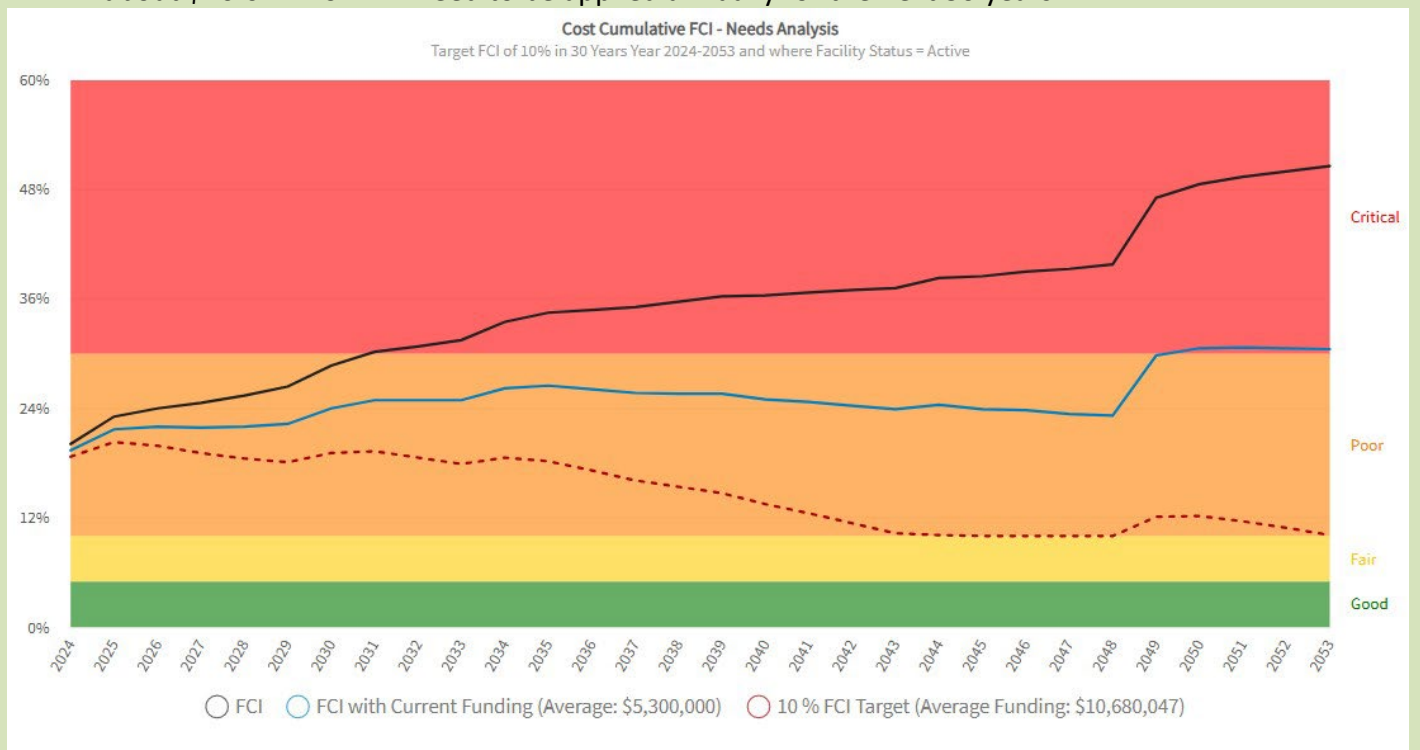


Figure 6: FCI and Funding Required to Maintain Assets

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These levels of funding for capital and repair will ensure the building stock will be maintained at an acceptable level of risk, preserving the initial capital investment. If the level of facility renewal funding is reduced, the exposure to risk will increase and the probability of premium renewal expenditures will increase.

Impact Analysis of Current Funding

In addition to demonstrating the need for additional funding, we have performed an impact analysis to demonstrate the impact of the current funding level. The analysis demonstrates that the \$5.3 million in annual capital funds does make a significant impact on the portfolio FCI and unfunded liability. The impact analysis is outlined below and demonstrated in Figure 7.

With funding, the current FCI 19.4% and the portfolio approaches critical in 2050;
Without funding, the current FCI is 20% and the portfolio approaches critical in 2031;

This demonstrates that the current funding of \$5.3 million annually extends the portfolio useful service life by 19 years, by utilizing the Critical range as our facility lifecycle benchmark (30% FCI).

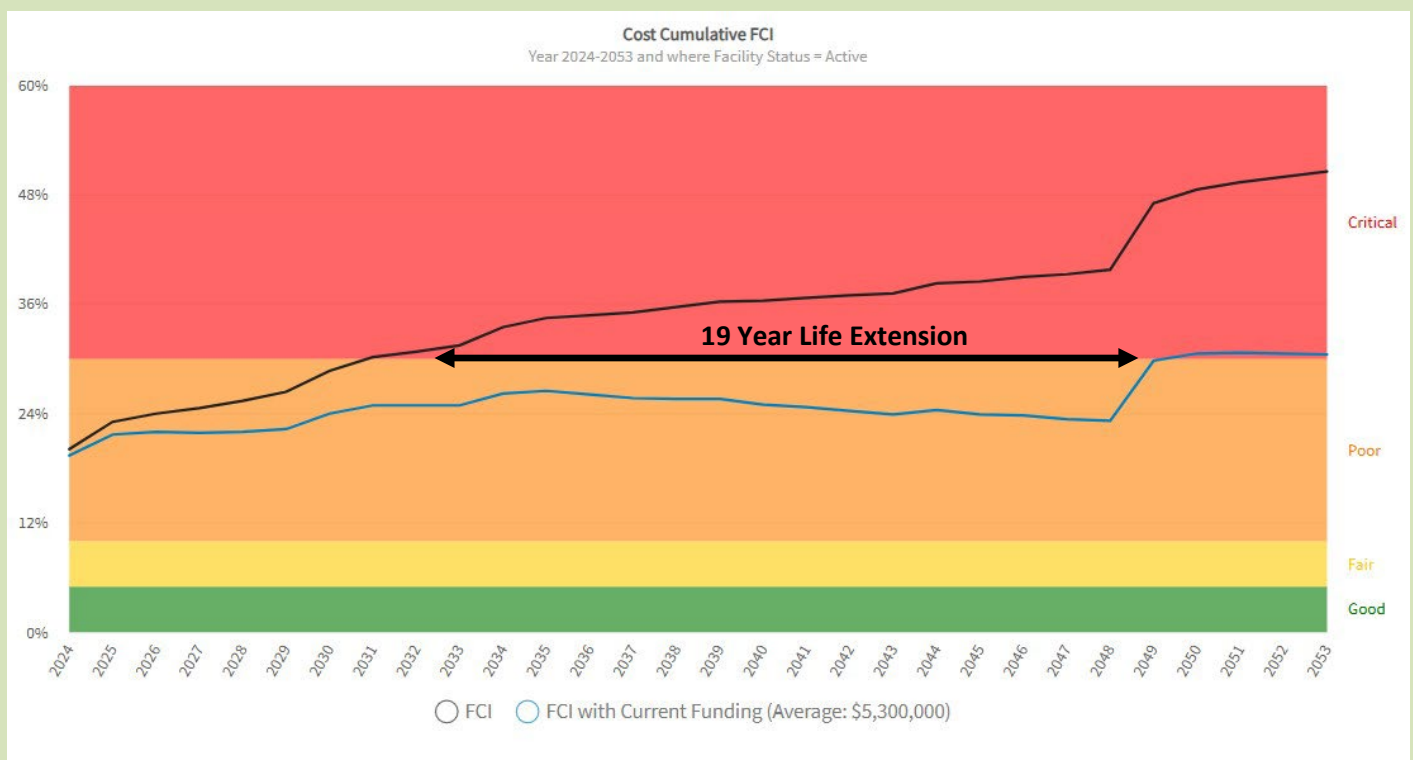


Figure 7: Impact Analysis & Useful Service Life Extension for SRPSD Portfolio

While additional funding would help to improve the FCI and sustain a 10% FCI, it is important to note that the current funding level does make a significant impact on the portfolio condition and the expected life of the facilities. If this funding level were to be reduced, it would have a clear impact on the FCI and the lifecycle of the SRPSD facilities.

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F. Safety

- Active SRPSD safety program.
- COR status (Certificate of Recognition) for Maintenance Department.
- An internal audit was completed on the Maintenance Department in November 2024.
- As of the time of this report the maintenance department was 1330 days no time lost.
- Safe work practices and job procedures reviewed annually (October).
- Ongoing safety training for facilities staff.
- Weekly toolbox meetings – safety is always first and foremost.
- Safety Hub Video Training licenses were sent out to all high school Industrial arts programs to provide safety training videos for students. This program is used weekly by our maintenance team as well.

Division safety initiatives

- Review of asbestos management plan
 - Reviewed existing asbestos audit and upgraded maintenance plan. Undertook removal where recommended by asbestos management consultant.
 - Asbestos awareness training is provided to all maintenance and caretaking staff and supervisors.
- Occupational, Health and Safety
 - Ensuring that all schools and support facilities have an active Occupational Health and Safety Committees and that the Co-Chairs are trained with Level I and II for compliance with the OH&S Regulations.
- Review of the Fire Safety Guidelines for Schools
 - Implementation of recommendations from the Fire Safety Audit and Inspections.
 - Fire officials and risk managers inspect all schools annually.

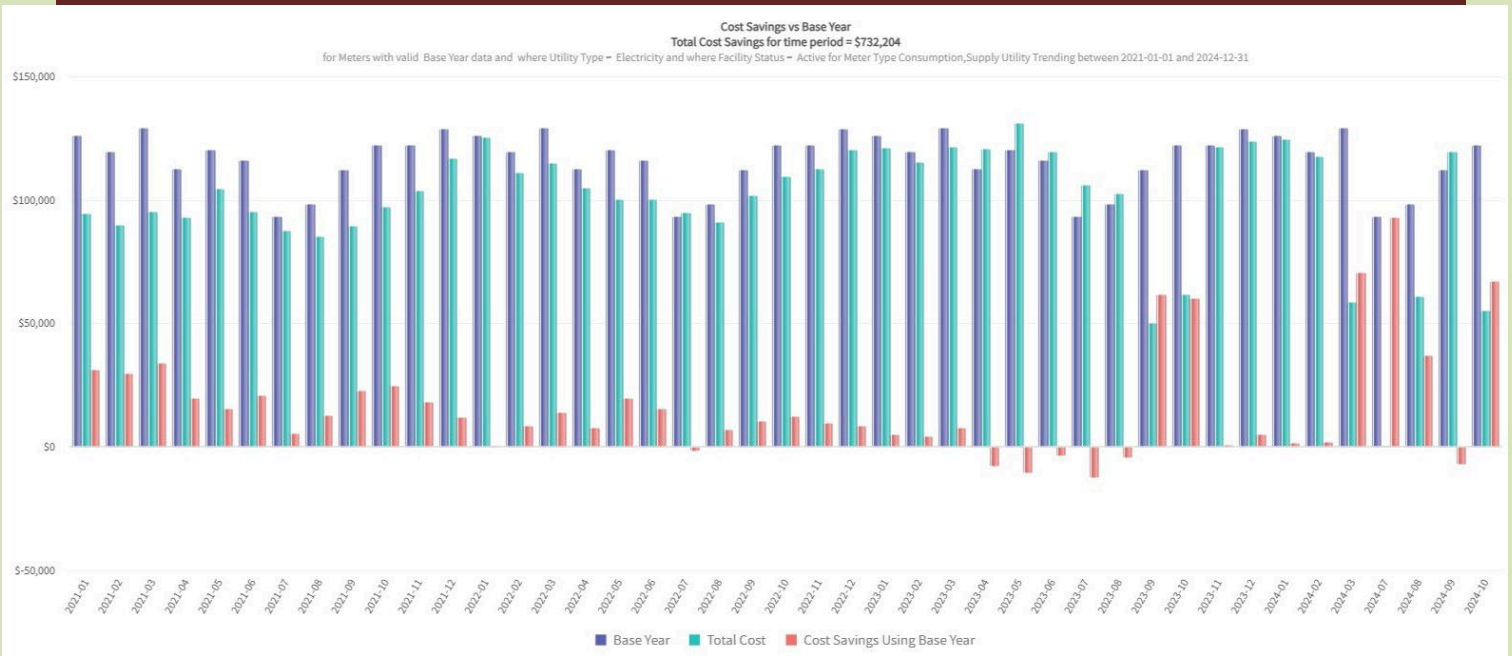
G. Professional Development

- Facility staff receive professional development in areas relating to their job – health and safety, first aid, etc.
- Mechanical maintenance staff received upgraded training on our building controls software. (Metasys)
- Maintenance carpenters received playground equipment safety audit training.

H. Facility Department Initiatives

- The Division wide LED lighting project continues to provide excellent savings to the division since its inception in 2021 the project has saved over \$700,000.00.

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ADMINISTRATIVE IMPLICATIONS:

A. Successes

- Dedicated well-trained staff perform regularly scheduled maintenance and repair of SRPSD facilities allows for the delivery of educational programming in a clean safe and well-maintained environment.
- Consistent funding in PMR will assist in funding future projects.
- Current funding levels of PMR and the Board's commitment to maintaining its facilities have allowed us to undertake projects that will help in extending the life of the division facilities.
- Mechanical systems in many of our schools have been or are on the list for replacement.
- Addressing building envelope projects such as window replacements.
- Starting a new cycle of roof replacements.
- Reviewing Facilities Master Plan to determine renovation projects within PMR and conducive to SRSD program needs.

B. Challenges

- The age of SRPSD facilities (21 to 116 years).
- Lack of funding for capital projects (i.e., W.P. Sandin Public High School).
- Increases in costs for materials and supplies have had an impact on internal maintenance operations as well as tendered project pricing.

GOVERNANCE IMPLICATIONS

- I. Based upon the report, it is recommended the Board maintain current direction for ensuring the facilities budget remains at the level that best serves our facilities.