

2020
2023
2025

LONG-RANGE FACILITIES PLAN

BISMARCK PUBLIC SCHOOLS

Empower every learner to thrive!



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SUMMARY

This updated 2025 Long-Range Facilities Plan (LRFacP) serves as a continuation of the foundational work completed by the original 2020 Facilities Planning Committee and refined in 2023. That planning effort brought together architects, engineers, contractors, educators, parents, and community leaders to create a comprehensive roadmap for Bismarck Public Schools’ facility needs.

In 2025, Bismarck Public Schools (BPS) reaffirmed its commitment to that foundation by tasking the Operational Excellence Committee to ensure that facility planning remains responsive to the district’s evolving educational, operational, and community needs. Administration has visited schools across the district, reviewed prior recommendations, and validated that the identified projects continue to reflect the needs of students, staff, and the broader Bismarck community.

The Long-Range Facilities Plan is designed to complement the Long-Range Financial Plan, providing a framework for strategic, data-driven decisions about facilities, enrollment, maintenance, and growth. Together, these plans guide the development of annual operational priorities, ensuring that resources are used efficiently and equitably to support BPS’s mission to “Empower Every Learner to Thrive.”

As of 2025, Bismarck Public Schools operates 32 campuses totaling 2.8 million square feet across 410 acres. These facilities include:

1 Pre-K School	Facilities and Transportation Building
18 Elementary Schools	Hughes Educational Center
3 Middle Schools	Sports Complex
4 High Schools	Renew[ED]
Career Academy	Central Administration Building

Growth across Bismarck continues to present both opportunities and challenges for the district. New housing developments in the north and south, evolving attendance boundaries, and changing community demographics require careful, ongoing analysis. Recent and upcoming projects, including the opening of Elk Ridge and Silver Ranch Elementary Schools, additions at Legacy High School and Lincoln Elementary, and ongoing Career & Technical Education expansion—demonstrate the district’s commitment to proactive, student-centered facility planning.

This plan also reaffirms the district’s emphasis on student and staff well-being, including intentional design for School-Based Mental Health (SBMH) spaces, safe and secure entryways, and flexible learning environments that support collaboration and innovation.

Through the combined work of the Operational Excellence Committee, community partners, and district leadership, the 2025 LRFacP ensures that Bismarck Public Schools continues to responsibly plan for future facility needs while honoring the foundational work and guiding principles established in 2020.

REVIEW AND VALIDATION (2025 UPDATE)

In 2025, Bismarck Public Schools conducted a comprehensive review of the Long-Range Facilities Plan (LRFacP) to ensure that previously identified priorities continue to meet the needs of students, staff, and the broader community. This work was coordinated through the district's Operational Excellence Committee, a standing advisory group that includes representatives from the school board, district administration, principals, operations and maintenance, finance, and community members. A detail of this work is included in Appendix A.

Purpose and Process

The 2025 review was designed to reaffirm the integrity of the original 2020 Facilities Planning Committee and the subsequent 2023 update while aligning facility priorities with current educational, operational, and financial realities.

To complete this review, Administration and the Operational Excellence Committee undertook a districtwide validation process that included:

- On-site visits to all BPS campuses to observe facility conditions and discuss building needs directly with principals and staff.
- Parent input sessions hosted by district Administration at multiple buildings, providing families and community members an opportunity to share feedback on priorities, challenges, and emerging needs.
- Data analysis of enrollment projections, maintenance records, and community development trends to confirm accuracy and identify growth patterns.
- Review of completed and in-progress projects from the 2020 and 2023 plans.
- Consensus discussions to prioritize projects that remain high-need, have been completed, or require re-scoping based on stakeholder input.

Findings and Key Themes

The 2025 review confirmed that most long-term facility priorities remain valid, but it also identified areas for refinement based on evolving educational and community needs. Key themes that emerged include:

- **Accessibility and Equity:** Continued focus on ADA compliance, secure entries, and modernization of older facilities to ensure equitable learning environments.
- **Student Support and Well-Being:** Increased emphasis on dedicated spaces for School-Based Mental Health (SBMH) and student support services.
- **Feeding and Kitchen Space Improvements:** Recognition of the need for updated and expanded cafeteria and food service areas to support efficient operations and positive student experiences.
- **Community Partnerships:** Expanded attention to Career and Technical Education (CTE) opportunities, health partnerships, and multi-use spaces that benefit both schools and the community.

LONG-RANGE FACILITY PLANNING

The Long-Range Facilities Plan will assist in guiding decisions made for future facility needs and usage and will be reviewed annually. BPS partnered with SitelogIQ in developing the original plan.

Planning provides a facility roadmap to enable BPS to meet the needs of students and staff by



Establishing district-wide baseline of facility needs



Identifying facility gaps and inequities across district programing



Determining implementation priorities for construction projects

In collaboration with BPS’s long-range financial planning, facility initiatives take into account operations and maintenance costs since even well-maintained building assets have a finite useful life. Creating a 10+ year LRFacP has helped prepare for eventual deferred maintenance expenses required to maintain the buildings and learning environments for students and staff.

BPS’s LRFacP addresses building needs to support adding, improving, and maintaining space. The plan includes projects that address the physical, educational, and functional needs. The plan is a component of the district’s strategic plan and is focused on maintaining the building assets and environment for comfort, energy, safety, and security.

Comprehensive Asset Assessment

- System report cards, predicted remaining life
- Replacement / upgrade cost estimates
- Advanced prioritization

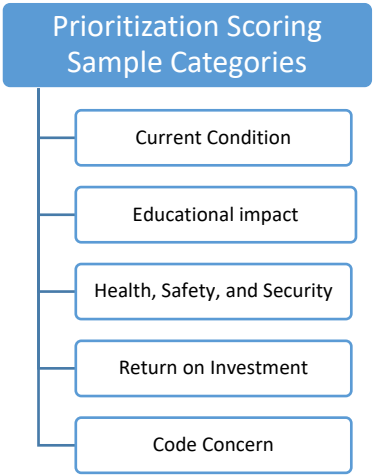
Indoor Environment Assessments

- Indoor air quality, light, sound, temperature, humidity assessments

Facility Optimization

- Identification of utility and operational cost savings opportunities / Guaranteed Savings Program

During the planning process, SitelogIQ identified projects that address the physical needs. BPS then identified the top priorities by ranking all of the projects with a priority score based on the prioritization categories. SitelogIQ provided an asset condition of all the major systems based on age and condition. This information was then evaluated in collaboration with the school district to assist in determining the priority. Some issues, like code compliance, or health and safety, may be more prescriptive, while other criteria are more subjective and determined by the district. The priority score was then used to allocate each of the projects to future years. Ultimately, SitelogIQ’s process identified projects that are a top priority and need to be addressed soon. SitelogIQ’s experience with identifying the funding options for the projects, as well as managing multiple projects with different funding sources, will allow BPS to accomplish a substantial amount of work with various funding options.



The district reviewed all identified projects. This process focused on maintaining the building environment for comfort, energy, and safety while providing a simple report to share with the constituents.

ENROLLMENT ANALYSIS

Projected enrollment is based on the RSP & Associates Statistical Forecast Model (SFM), a data-driven forecasting methodology that integrates historical enrollment trends with demographic, housing, and development indicators at a fine geographic level. The model analyzes nearly 900 planning areas across the district and incorporates multiple datasets, including student cohort progression, live birth rates, housing characteristics, residential development activity, and student in-migration and out-migration patterns.

Enrollment projections are presented by division—Elementary (K–5), Middle School (6–8), and High School (9–12)—and reflect both students residing within the district and students attending the district, consistent with district operational planning practices. While projecting enrollment is not an exact science, the model has demonstrated a high degree of accuracy when back-tested against prior years’ enrollment, with strong alignment between projected and actual counts.

Key Observations by Division

Elementary School (K–5)

Elementary enrollment is projected to gradually decline and stabilize over the next several years, reaching approximately 5,919 students by 2030/31 (a decrease of about 198 students, or –3.2%). This trend is driven primarily by declining live birth rates, smaller incoming kindergarten cohorts, and reduced housing turnover among families with young children. While new housing continues to be added, student yield rates from new single-family and multi-family units have declined over time, limiting elementary growth.

Middle School (6–8)

Middle school enrollment is projected to remain relatively stable, with a modest increase to approximately 3,263 students by 2030/31 (+20 students, +0.6%). Stability at this level reflects larger elementary cohorts from prior years progressing into middle school, partially offset by weaker enrollment at earlier grades.

High School (9–12)

High school enrollment is projected to increase to approximately 4,642 students by 2030/31 (+340 students, +7.9%). This growth is largely attributable to historically large cohort sizes advancing through the system and continued net in-migration at the secondary level. Larger incoming classes relative to graduating classes will continue to place upward pressure on high school enrollment over the projection period.

District-Wide Outlook (K–12)

Total district enrollment is projected to remain relatively stable overall, with modest fluctuations across grade levels. The forecast reflects a structural shift in enrollment demand, with declining pressure at the elementary level and sustained or increasing demand at the secondary level. This shift has important implications for staffing, building utilization, and long-range facility planning.

Additional Factors Considered

In addition to historical enrollment patterns, the district and RSP & Associates consider several external indicators that influence enrollment outcomes, including:

- County and community live birth rates and population under age five
- Housing development trends, including the pace, type, and location of new construction
- Student yield rates by housing type (single-family, multi-family, mobile home parks)
- Student migration patterns, including open enrollment and out-of-district attendance
- Local and regional economic and infrastructure investments that may influence residential growth

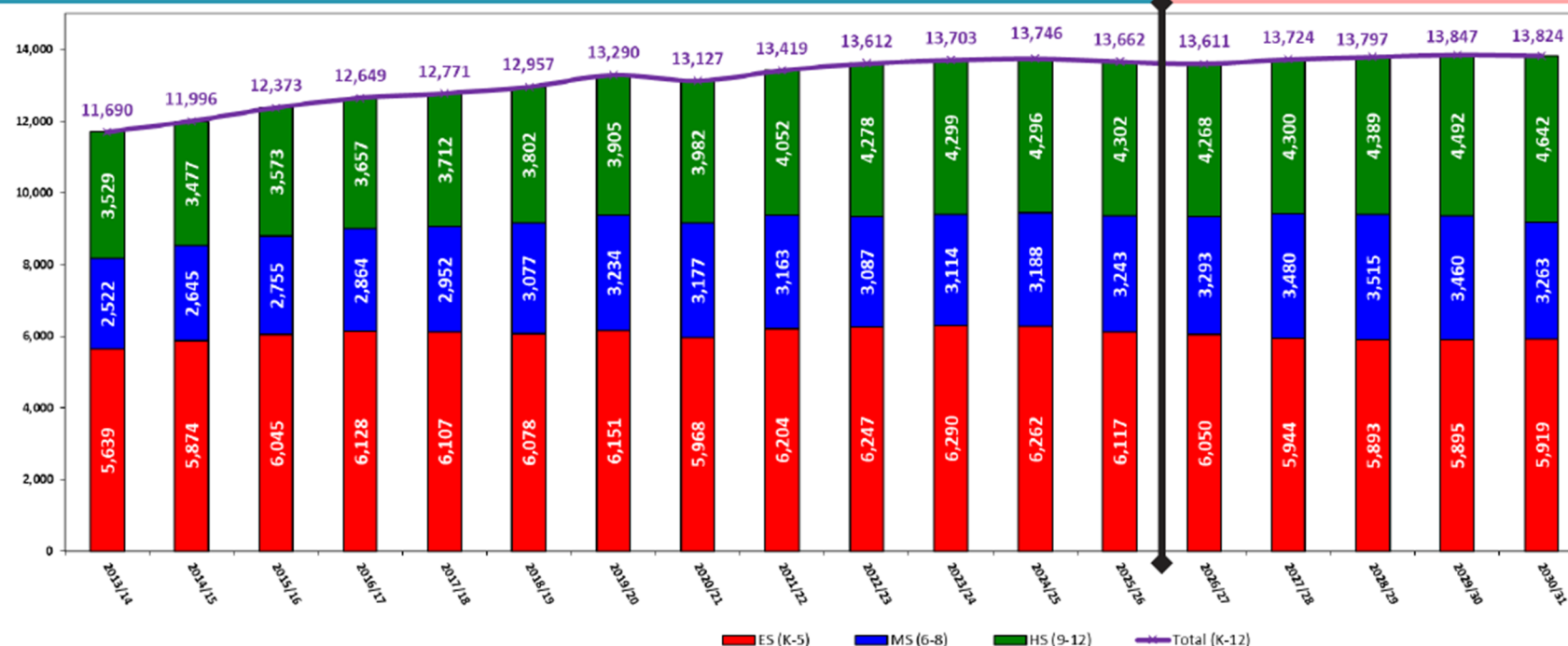
Together, these factors provide a comprehensive, forward-looking view of enrollment trends and support data-informed decision-making related to capacity planning, attendance boundaries, and future facility needs.

District Enrollment

Market Forecast

Past Enrollment

Projected Enrollment



School	Capacity	Enrollment Type (Past)	Past School Enrollment				Projections Based on Residence (1-5 years)					Projected Change
	Operational		2022/23	2023/24	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	
ELEMENTARY SCHOOL TOTAL		Reside/Attend	5,666	6,021	5,694	5,827						
K-5	7,040	Reside	6,247	6,290	6,262	6,117	6,050	5,944	5,893	5,895	5,919	-3.2%
		Attend	6,247	6,290	6,262	6,117	6,050	5,944	5,893	5,895	5,919	
MIDDLE SCHOOL TOTAL		Reside/Attend	2,921	3,027	3,047	3,153						
6-8	3,600	Reside	3,087	3,114	3,188	3,243	3,293	3,480	3,515	3,460	3,263	0.6%
		Attend	3,086	3,114	3,188	3,243	3,293	3,480	3,515	3,460	3,263	
HIGH SCHOOL TOTAL		Reside/Attend	3,927	4,032	3,987	4,056						
9-12	4,950	Reside	4,278	4,299	4,296	4,302	4,268	4,300	4,389	4,492	4,642	7.9%
		Attend	4,279	4,299	4,296	4,302	4,268	4,300	4,389	4,492	4,642	
DISTRICT TOTALS		Reside/Attend	12,514	13,080	12,728	13,036						
K-12	15,590	Reside	13,612	13,703	13,746	13,662	13,611	13,724	13,797	13,847	13,824	1.2%
		Attend	13,612	13,703	13,746	13,662	13,611	13,724	13,797	13,847	13,824	

GUIDING PRINCIPLES FOR FACILITY DECISIONS

The district’s objective is to provide equitable (not necessarily equal) space, resources, staffing and educational opportunities in all schools. This includes modernization of many older schools. The following set of guiding principles are used to assist in the decision-making process regarding facility usage and capacities.

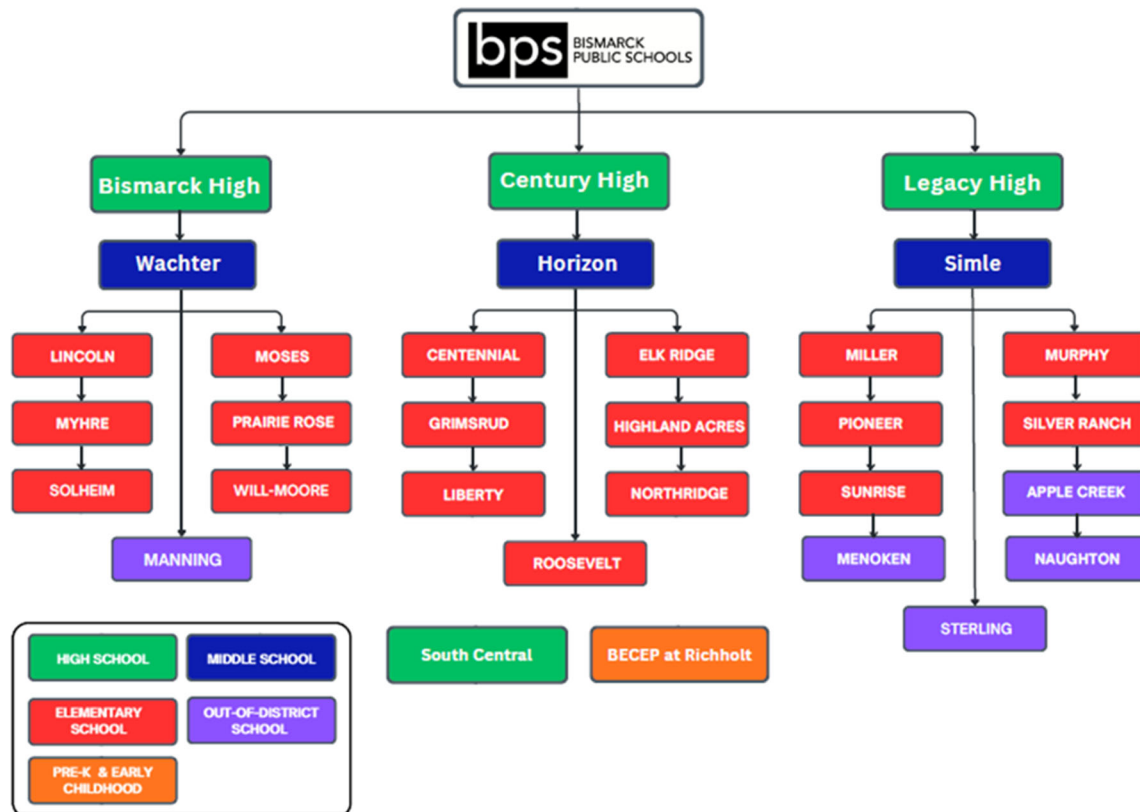
Facility Principles

1. Provide education for all students and suitable space, resources, staffing and educational opportunities in all district schools.
2. The number of students per class is an important criterion when planning for school facilities.
The preference for average class size is:
 - Primary (k) – 18 Average
 - Primary (1-2) – 20 Average
 - Primary (4-5) – 25 Average
 - Intermediate – 25-28 average
 - Secondary core academic classes – 25-28 average
3. School configuration is kindergarten through fifth grade in elementary buildings, grades 6-8 at middle schools and grades 9-12 at the high schools.
4. School size preference per division.
 - Elementary Schools (K-5) – Maximum of four sections per grade or 500 students, and no fewer than two sections per grade
 - Middle Schools (6-8) – 1200 students
 - High Schools (9-12) – 1600 students
5. The preference is to minimize, as much as possible, the travel and distance to and from school for all students in each attendance boundary area.
6. Consider the need for space to accommodate all ancillary/support programs.
7. The preference is to have an attendance boundary feeder system.

Site Standards

BPS has worked with developers and the city of Bismarck to identify utilities and other planning guidelines for appropriate and adequately sized sites for new schools. The following are guidelines for site selection sizes for each type of school.

- Elementary School Sites
 - 15 Acres - Surrounded by roads
- Middle School Sites
 - 35 Acres - Surrounded by roads
- High School Sites
 - 60 Acres - Surrounded by roads



Building Considerations

The following considerations are in addition to standard school spaces:

Elementary Schools

- Resource areas for small group interventions
- Individual learning spaces for personalized learning
- Collaboration areas near classrooms for pull-out and push-in supports
- Designated sensory spaces
- Activities areas to support before and after school programs
- Learning community space
- Large group collaboration space
- Authentic learning spaces

Middle Schools

- Middle school concept with team areas
- Learning community space
- Collaboration space
- Flexible space and furniture
- Student innovation centers
- Student spaces for exploration

High Schools

- Learning community space
- Exploratory and applied lab settings

- Performing arts space
- Collaboration areas
- Flexible furniture
- Centers for student engagement and exploration

Safety - Ensure BPS stays current on safety standards and best practices set forth by national organizations that specialize in school safety

Technology – refer to the [District Technology Plan](#) (located on the BPS website under Strategic Plan)

School Attendance Boundaries

1. Provide quality education for all students
 - Provide equitable (not necessarily equal) space, resources, staffing and educational opportunities in all district schools
 - Strive for an equitable (not necessarily equal) number of students per classroom per school while respecting the unique characteristics of students and buildings.
 - Strive to balance socioeconomics when setting attendance areas
2. Set attendance areas to make the best use of tax dollars
3. Consider transportation costs when adjusting boundary lines
4. Set attendance areas to anticipate changes and accommodate growth in Bismarck's population
 - Work with city planners and developers to consider stability in school assignment and anticipate future enrollment patterns
 - Recognize that changing school attendance areas is a necessary and continual process
5. Use natural boundaries and major thoroughfares to set school attendance areas whenever possible
6. Promote neighborhood schools, especially at the elementary level
7. Consider safe routes when setting attendance areas

Enrollment Growth Areas

If demographic projections – from a variety of sources – indicate areas with increasing enrollment with little or no reasonable expectation of reversal, the district will consider the strategies below to address the issue:

1. The district administration will modify the attendance areas.
2. Students in the growth area may be temporarily assigned to other buildings in the District that have space available. Portable (temporary) classrooms, using space in other buildings, boundary changes, differentiated staffing, larger class size, use of a petition process, and combination classrooms will all be part of the discussions.
3. After reviewing development plans and based on enrollment projections, a new school should be planned to open when 50% of the new building capacity is reached. Attendance areas will be changed accordingly. The 50% criterion is a general guideline and may be changed to better reflect the anticipated rate of growth.
4. The board needs to balance the capacity philosophies of neighborhood schools in new neighborhoods with the use of existing facilities.

CURRENT PROGRAMMING

Early Childhood

Bismarck Public Schools continues to evaluate and adjust Pre-K classroom locations across the district to ensure programs are accessible, developmentally appropriate, and aligned with building capacity. Rather than assigning a permanent Pre-K site, the district uses a flexible model that considers available space within each school, enrollment trends, and long-term facility needs.

Pre-K classroom placement may shift over time based on:

- Districtwide and neighborhood enrollment changes, including growth that may require realignment of grade levels or classroom sections.
- Building capacity and utilization, ensuring cafeterias, gyms, specials, and student support spaces can adequately serve all students.
- Early Childhood and ECSE program needs, including placement of developmental classrooms and related services.
- Geographic access and transportation efficiency to provide equitable opportunities for families across Bismarck.
- Staffing availability and instructional quality, ensuring programs are appropriately licensed and supported.

Key considerations:

- Pre-K sites are not fixed; locations adjust as buildings approach capacity or as enrollment shifts.
- Adding Pre-K classrooms can affect K–5 sectioning and class sizes, which the district evaluates annually.
- Not all buildings are suited for Pre-K due to requirements for age-appropriate restrooms, secure entries, playgrounds, and pickup/drop-off areas.
- Decisions prioritize safety, equity, and access for families.
- Pre-K locations are reviewed each spring during the district’s elementary sectioning and enrollment planning process.

Elementary

Bismarck Public Schools operates a system of section-based elementary schools, with each building designed to support a defined number of classroom “sections” at each grade level. Most BPS elementary schools operate between two-section and four-section configurations, meaning they are built to accommodate two to four classrooms per grade level (K–5). This section model supports predictable staffing, balanced class sizes, and equitable access to programs and services across the district. As enrollment continues to shift—particularly in the south and north growth areas—the district monitors section capacity at each school to ensure buildings remain appropriately sized for their attendance boundaries. When enrollment pressure increases beyond available sections, BPS considers a range of strategies, including adjusting attendance boundaries, adding temporary classrooms, reconfiguring internal space, or planning for future facility expansion. The section school framework remains a guiding structure for long-term planning and helps maintain equitable class sizes and programming across elementary schools. See Appendix E for current elementary school section sizes, capacity and enrollment.

Middle School

The district completed major expansions at all three middle schools in 2020, bringing each building to a capacity of approximately 1,200 students. As the district explores expanding Middle School Career and Technical Education (CTE), this programming will provide additional instructional space and help distribute students across more diverse learning environments. Similar to the high school model, Middle School CTE pathways will create flexible capacity within the existing buildings, reduce pressure on core academic spaces, and support hands-on, career-aligned learning opportunities. Ongoing monitoring of enrollment and program utilization will guide future planning and may identify additional space needs within the next 10 years.

High School

All three comprehensive high schools have a designed capacity of 1,600 students. In addition to these core capacities, Career and Technical Education (CTE) programming provides supplemental instructional space that increases the district's overall ability to serve additional students. Through program offerings at the Career Academy, Hughes Educational Center, and Silver Ranch, CTE pathways create flexible capacity beyond the traditional 1,600-student limit while supporting hands-on, career-aligned learning opportunities for students across Bismarck Public Schools.

Long-Range Operational Maintenance

Extensive planning in operational maintenance has been done to guide the district in the future. A ten-year operational maintenance plan has been developed to balance the facility needs and budget allocations over this period. The plan, found in Appendix B, is a framework for the future that will be reviewed annually and adjusted as maintenance needs arise.

APPENDIX A – REVIEW AND VALIDATION OF PLAN (2025)

Community Engagement and Stakeholder Validation

To ensure the 2025 Long-Range Facilities Plan (LRFacP) reflects authentic community priorities, Bismarck Public Schools conducted an extensive engagement process during Fall 2025. The initiative, coordinated through the Operational Excellence Committee, brought together staff, parents, and community members to review and validate facility needs identified in prior plans.

Engagement Framework

Each meeting invited participants to examine two core components of the facilities plan:

1. Deferred Maintenance — Technical assessments and rankings from the 2020–2023 plan.
2. Programmatic Needs — Projects addressing accessibility, safety, modernization, and equitable access to educational programs.

Facility Needs Workshops

- September 15, 2025: Operational Excellence Committee
- October 21, 2025: Operational Excellence Committee
- October 23, 2025: Grimsrud Elementary School
- October 29, 2025: Myhre Elementary School
- October 30, 2025: Will-Moore Elementary School
- November 4, 2025: Solheim Elementary School
- November 5, 2025: Century High School (Northwest Feeder Workshop)
- November 12, 2025: Bismarck High School (South Feeder Workshop)
- November 13, 2025: Pioneer Elementary School
- November 17, 2025: Simle Middle School (Northeast Feeder Workshop)
- December 17, 2025: Operational Excellence Committee

District Summary (2025)

	Long-Range Priority	Low Priority	Moderate Priority	High Priority	Immediate Priority		Programatic Improvements	
District Buildings	Priority					Deferred Maint. Total	Remodel/ Additions/ New Bldgs	District Total
	0 to 1	1.1 to 2	2.1 to 3	3.1 to 4	4.1 to 5			
BECEP-Richholt	\$ 89,280	\$ 347,040	\$ -	\$ 598,240	\$ 1,041,840	\$ 2,076,400	\$ -	\$ 2,076,400
Centennial Elementary School	\$ 318,060	\$ -	\$ 270,720	\$ 737,828	\$ 519,660	\$ 1,846,268	\$ 2,244,600	\$ 4,090,868
Elk Ridge Elementary School	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grimsrud Elementary School	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,945,195	\$ 5,945,195
Highland Acres Elementary School	\$ -	\$ 69,840	\$ 445,860	\$ 1,488,200	\$ -	\$ 2,003,900	\$ 1,454,400	\$ 3,458,300
Liberty Elementary School	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Lincoln Elementary School	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Miller Elementary School	\$ 168,480	\$ 11,880	\$ 552,240	\$ 851,480	\$ 214,560	\$ 1,798,640	\$ 302,400	\$ 2,101,040
Moses Elementary School	\$ -	\$ 130,500	\$ 1,060,560	\$ 780,320	\$ 1,392,300	\$ 3,363,680	\$ 918,360	\$ 4,282,040
Murphy Elementary School	\$ 29,160	\$ 128,160	\$ 133,200	\$ 874,420	\$ 1,076,040	\$ 2,240,980	\$ -	\$ 2,240,980
Myhre Elementary School	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,124,510	\$ 7,124,510
Northridge Elementary School	\$ -	\$ 118,944	\$ 157,000	\$ -	\$ -	\$ 275,944	\$ -	\$ 275,944
Pioneer Elementary School	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,300,000	\$ 4,300,000
Prairie Rose Elementary School	\$ 223,560	\$ 5,760	\$ 59,400	\$ 1,306,800	\$ -	\$ 1,595,520	\$ 252,720	\$ 1,848,240
Roosevelt Elementary School	\$ 4,392	\$ 15,120	\$ 396,000	\$ 1,818,440	\$ -	\$ 2,233,952	\$ 348,300	\$ 2,582,252
Silver Ranch Elementary School	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Solheim Elementary School	\$ 396,360	\$ 78,480	\$ 436,320	\$ 750,600	\$ 429,120	\$ 2,090,880	\$ 2,282,400	\$ 4,373,280
Sunrise Elementary School	\$ -	\$ 408,960	\$ -	\$ -	\$ -	\$ 408,960	\$ -	\$ 408,960
Will Moore Elementary School	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,650,000	\$ 1,650,000
New Elementary or Additions	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 24,000,000	\$ 24,000,000
Horizon Middle School	\$ -	\$ 1,328,400	\$ 385,200	\$ 1,756,800	\$ -	\$ 3,470,400	\$ -	\$ 3,470,400
Simle Middle School	\$ 172,080	\$ 801,720	\$ 1,444,720	\$ 687,240	\$ -	\$ 3,105,760	\$ 646,740	\$ 3,752,500
Wachter Middle School	\$ -	\$ 1,290,640	\$ 10,800	\$ 986,740	\$ 1,581,120	\$ 3,869,300	\$ -	\$ 3,869,300
Bismarck High School	\$ -	\$ 687,380	\$ 250,560	\$ 1,327,820	\$ 1,296,000	\$ 3,561,760	\$ 1,000,800	\$ 4,562,560
Century High School	\$ -	\$ 478,440	\$ 287,280	\$ 859,940	\$ 2,976,480	\$ 4,602,140	\$ 13,711,852	\$ 18,313,992
Legacy High School	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
South Central High School	\$ 286,560	\$ 65,340	\$ 547,740	\$ 1,551,600	\$ 22,320	\$ 2,473,560	\$ 198,640	\$ 2,672,200
Hughes Educational Center	\$ 103,500	\$ 1,108,188	\$ 1,122,400	\$ 347,000	\$ -	\$ 2,681,088	\$ 362,880	\$ 3,043,968
Career Academy	\$ -	\$ 316,620	\$ -	\$ -	\$ -	\$ 316,620	\$ -	\$ 316,620
Career Academy - Silver Ranch	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,500,000	\$ 2,500,000
Sanford Athletic Complex	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 89,280	\$ 89,280
Facilities and Transportation	\$ 323,280	\$ 228,960	\$ 12,240	\$ 68,400	\$ -	\$ 632,880	\$ -	\$ 632,880
Central Kitchen	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,000,000	\$ 6,000,000
	\$ 2,114,712	\$ 7,620,372	\$ 7,572,240	\$ 16,791,868	\$ 10,549,440	\$ 44,648,632	\$ 75,333,077	\$ 119,981,709
							2025	\$ 125,980,794
							2026	\$ 132,279,834
							2027	\$ 138,893,826

Programmatic Improvements

ELEMENTARY

Centennial	Addition: Multi-purpose, music, expand existing kitchen, updated entrance, and support space.
Grimsrud	Addition: Gym and Library. Remodel: Student support space, bathrooms, and general modernization.
Highland Acres	Remodel: Updated entrance, library, casework.
Miller	Remodel: Updated entrance, bathrooms, casework.
Moses	Addition: Multi-purpose, expand kitchen.
Myhre	Addition: Updated entrance, kitchen and office, student support space, parking and traffic flow improvements.
Pioneer	Addition: Updated entrance and office, elevator, specialist, and classroom space.
Prairie Rose	Remodel: Updated entrance and elevator.

Roosevelt	Addition: Updated entrance, support space and parking.
Solheim	Addition: Multi-purpose, music, expand existing kitchen, and parking and traffic flow improvements.
Will-Moore	Remodel: Updated secure entrance and elevator.

MIDDLE SCHOOL

Simle	Addition: Expand cafeteria.
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HIGH SCHOOL

Bismarck High	Remodel: Knaak Library, old library into classrooms.
Century High	Addition: Expand existing gym by 50%, fitness and weigh room, visitor lockers, black box and green space.
South Central	

OTHER EDUCATIONAL

Hughes CA	CTE renovation
Silver Ranch CA	Phase II (HVAC, Plumbing, Electrical)

Other Improvement Considerations

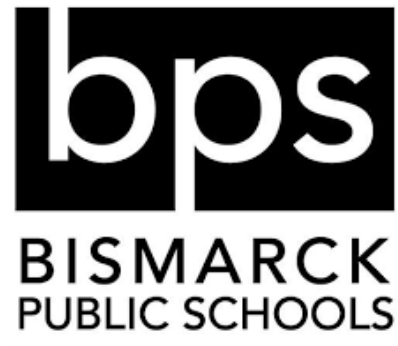
Sanford Sports Complex	Addition: Tennis bathrooms and visitors' locker room.
Central Kitchen	

APPENDIX B – COMPREHENSIVE FACILITY PLANNING ACTIVITIES

On February 24, 2020, staff representing Bismarck Public Schools (BPS) commissioned SitelogIQ to develop a comprehensive Long-Range Facility Management Plan. This report continues the process of developing that plan, with tangential objectives of reducing BPS's operating costs, strategically addressing aging infrastructure, and improving the indoor environment. The result of this initiative will be a facility management plan that supports BPS's goals and objectives with efficient, effective, and economical solutions.

With the help and insight of BPS personnel, SitelogIQ has completed a comprehensive review of facilities and historical energy usage records. Annual savings will continue to be finalized. The total impact of the savings will be determined during a series of workshops with BPS.

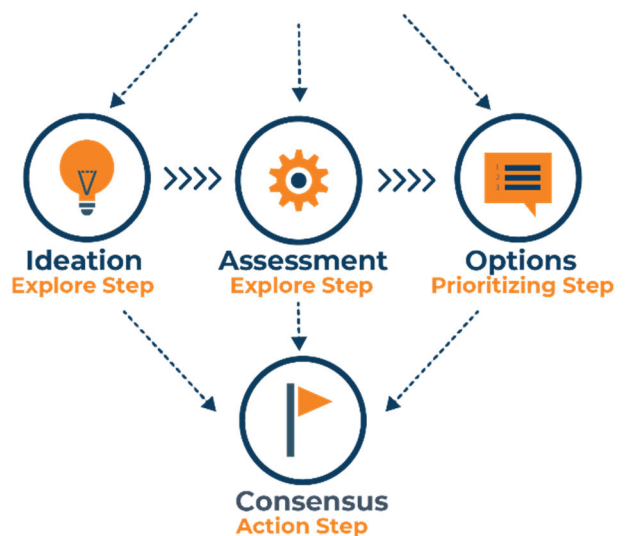
The solutions outlined in this report will allow BPS to modernize its built environments, deal effectively and completely with aging/deteriorating facility infrastructure, and positively impact BPS's bottom line in the process. The challenge of providing an environment conducive to comfort can be surmounted with an efficiently scoped improvement project and innovative funding mechanisms.



Activities

During the collaborative facility management planning process, four main phases were explored: Ideation, Assessment, Options and Planning and Final Consensus.

- **Ideation** is the generation of ideas, the process of identifying goals of not only the LRFacP process, but more importantly, for the future of BPS Schools.
- **Assessment** is the comprehensive study of facility needs. The categories explored during the assessment were reviewed and the data was combined with the information and ideas explored during the ideation phase allowing prioritization of improvements while developing a long-range facilities plan.
- **Options** is the process of developing and prioritizing the ideas, concepts, needs, wants, and desires into a strategic plan for achieving its vision. A list of facility improvement measures (FIMs) are developed from the information gathered during the ideation and assessment phases. Construction cost estimates for each of these prioritized FIMs are developed and potential funding sources are explored. Stakeholders prioritize these FIMs and generate multiple scenarios with different project scopes. These scenarios clearly illustrate the estimated costs of each selected project scope as well as the financial scenarios.
- **Consensus** happens when information is gathered during the ideation process, the data and reports prepared through the assessments period, and the stakeholders have analyzed and compared scenarios, costs, and funding options.



Planning & Milestones

The analysis contained in this report is comprehensive in nature and contains many ideas pertaining to facility revitalization and potential operational efficiencies. The following is the process that was used in 2020 to develop the LRFacP.

BPS will use the analysis contained herein to begin the process of (1) developing criteria for prioritizing projects, (2) identifying funding options, and (3) considering project phasing options.

The milestone and discussion needed to achieve BPS's goal are found below:

Comprehensive Facility Assessment Initiates (February 24, 2020)

- Planning kick-off meeting
- Initial project prioritization
- Determine scope of analysis

Facility Assessment Review (February-May 2020)

- Review preliminary assessments, FIM options, financial scenarios
- Review timeline and milestones

Facility Needs Workshops (May-September 2020)

- Detailed review of FIM options
- Financial scenarios
- Scope & funding workshops as needed
- Timeline Consensus

Financing Review

- Scope & funding workshops as needed
- Detailed financial review of plan scenarios
- Contract & financing review

Staff Workshop Details

Several different groups of stakeholders were part of the prioritization process, including

- Facility assessment kickoff (12-18-19)
- Facilities and transportation meeting to review high priority needs (2-24-20)
- Facility assessment status update (4-9-20)
- Ideation Sessions – ES/MS/HS (April 14-April 8, 2020)
 - 4-15-20: Century High School
 - 4-15-20: Career Academy
 - 4-15-20: Legacy High School
 - 4-16-20: Roosevelt Elementary School/Highland Acres Elementary School
 - 4-16-20: Lincoln Elementary School
 - 4-16-20: Bismarck High School
 - 4-17-20: Discuss remaining buildings with district administration
 - 6-8-20: Moses Elementary
- Facility assessment review status update (ES) (5-7-20)
- Facility assessment review status update (HS/MS) (5-13-20)
- Comprehensive assessment review

- Workshop-1: Overview with administration (6-2-20)
- Workshop-2: Coordinate stakeholder meetings (6-3-20)
- Workshop-3: Building level administrator -HS/MS/ES representatives (6-11-20)
- Workshop-4: Ventilation/boiler discussion (6-12-20)
- Workshop-5: Controls discussion (6-17-20)
- Workshop-6: Review preliminary list of needs (6-19-20)
- Workshop-7: Building level administrator -HS/MS/ES representatives (6-25-20)
- Workshop-8: Prioritization discussion (7-21-20)
- Workshop-9: Timeline coordination (8-13-20)
- Workshop-10: Timeline meeting (8-18-20)

Building System – Capabilities/Site Observations

The Assessment Phase involves *detailed* surveying and documenting current operational and physical conditions and deficiencies evident in the buildings. The information documented in the assessments was gathered primarily through field observation and supplemented by evaluation of existing information and discussion with BPS personnel. The survey reviewed the appearance, condition, and current uses of the buildings included in the project. This data was used to determine the feasibility and cost of infrastructure replacement/enhancement, facility renovation/remodeling, reallocation, and/or expansion. The process includes a review of available existing floor plans and a walk-through of all the buildings/additions.

These assessments are intended to furnish BPS with findings, conclusions, alternatives, and recommendations which would assist the district’s leadership in developing a comprehensive facility management plan of action intended to achieve goals and critical mission requirements, improve the indoor environments, and enhance effectiveness, efficiency, and cost/effectiveness of the operations.

The following section summarizes the assessment of the District’s facilities based on staff experience and conversations with key stakeholders.

Facility Improvement Categories

Below are the categories of how improvements were identified in the plan:

A	Accessibility
C	Energy Management and Controls
E	Electrical Systems
EQUIP	Capital Equipment/Assets
EXT	Exterior Envelope Including Roofing
G	Grounds, Site, and Surroundings
HAZ	Hazardous Materials
INT	Interior Spaces and Finishes
LS	Life Safety Systems
M	Mechanical Systems
P	Plumbing Systems
PROG	Facility Programmatic Enhancements
S	Electronic Security Systems
U	Utility Service Improvements
V	Ventilation/Dehumidification Systems

Capital Asset Condition Assessment Methodology

SitelogIQ’s team performed a preliminary physical condition assessment of the systems that comprise of the district’s facility infrastructure. These assessments were conducted by technical analysts who have significant experience in assessing facility systems. The methodology employed for conducting these analyses was to use an Asset Condition Assessment worksheet (similar to adjacent image), which identifies specific areas of the equipment that should be reviewed. In each of these areas, the technical analyst identified the functional working condition; those metrics are later further refined to an overall condition assessment of the equipment. The

evaluation of equipment is divided into five general categories:

Asset Condition Assessment

AHU, Heat Pump, RTU, Unit Ventilator

	Acceptable	Caution	Alert	Alarm	Danger	Not Applicable	Asset "Totals"
Air Movement							
Fan Blade							
Belt							
Pulley							
Bearings							
Shaft							
Electrical							
Starter							
Air Control							
OA Damper							
OA Actuators							
RA Damper							
RA Actuators							
MA Damper							
MA Actuators							
F&B Damper							
F&B Actuators							
Exhaust Damper							
Exhaust Actuators							
Exhaust Fan							
Temperature / Humidity							
Cooling Coil							
Cooling Valve							
Heating Coil							
Heating Valve							
Heating Pump							
Filters (pre)							
Filters (post)							
Humidifier							
Humidifier Valve							
Structural							
External Skin							
Internal Skin							
Pans							
Drainage							
Controls and Sensors							
DAT							
DAH							
MAT							
RAT							
RAH							
SP							
DP filter							
Controls							

The asset condition assessment is a visual model displaying the condition of the system as determined by test procedures and analysis techniques. The air handling unit is broken down into the following functional blocks: air movement, air control, temperature/humidity, structural, and controls & sensors. A series of tests determine the condition of the system and its components. These component tests are then combined to create an overall condition index. This overall condition index will aid in the capital planning process and identify areas that require repairs, upgrades, and/or enhancements.

ACCEPTABLE: Equipment in acceptable condition and within useful life

CAUTION: Equipment operating in a degraded condition

ALERT: Equipment in need of repairs or nearing end of useful life

ALARM: Equipment failure inevitable or excessively past useful life

DANGER: Equipment has failed and/or is causing a safety hazard

Customer Tag

Facility

Location

Size

Make

Model

Serial

Criticality

Area Served

Age

- Acceptable
- Equipment in acceptable condition and within useful life
- Caution
- Equipment operating in a degraded condition
- Alert
- Equipment in need of repairs or nearing end of useful life
- Alarm
- Equipment failure inevitable or excessively past useful life
- Danger
- Equipment has failed and/or is causing a safety hazard

Once the physical assessment was completed, system age was evaluated to adjust the overall equipment condition to predict unplanned system failures and large capital expenditures.

BPS Weighting Factors

Current Condition — A snapshot in time of the building systems as they are *today*.

Interconnection with Other Systems — Grouping similar work scopes and systems saves money and time from efficiencies of scale.

Educational Impact— Temperature, humidity, light levels & quality, sound levels, and building configuration.

Health, Safety, Security — Indoor air quality, pathogen mitigation technology, life safety, and physical security.

Student/Community Perception— Workshops with staff and stakeholders to rank facility needs as high, medium, or low to fit goals and mission.

Return on Investment (ROI) — Some improvements have an inherent efficiency or optimization of operational costs and tasks, this ROI will reduce budget impact

Prioritization Factors

Facility	Facility Improvement Measure	Cost	Prioritization						
			20%	10%	20%	30%	10%	10%	100%
			Current Condition	Interconnection with Other Systems	Educational Impact	Health, Safety, and Security	Student & Community Perception	Return on Investment	Weighted Prioritization
Bismarck High School	PROG.2 - Remodel: Convert (5) Classrooms into (4) Slightly Larger Rooms (130, 131,	\$ 882,000	5	3	5	5	5	0	4.30
Bismarck High School	PROG.1 - Remodel: Special Ed Classroom Block / Enlarge Laundry & Kitchen Area wi	\$ 696,000	5	3	5	5	5	0	4.30
Bismarck High School	M.1 - Boiler Replacement - Steam to HW	\$ 1,800,000	5	5	5	5	1	1	4.20
Bismarck High School	M.4 - Cooling Tower Replacement	\$ 797,000	5	3	5	5	1	0	3.90
Bismarck High School	C.1a - Energy Management System - Base Scope	\$ 188,000	4	4	4	4	3	4.5	3.95
Bismarck High School	E.1a - Lighting Retrofit - Base Scope	\$ 366,000	3.5	4	4	4	3	5	3.90
Bismarck High School	E.1b - Lighting Retrofit - Enhanced Scope	\$ 422,000	3.5	4	4	4	3	5	3.90
Bismarck High School	E.1c - Lighting Retrofit - Fixture Replacement	\$ 1,042,000	3.5	4	4	4	3	4.5	3.85
Bismarck High School	V.4 - 1987 AHU S-4 Replacement	\$ 34,000	3.5	5	5	5	1	0	3.80
Bismarck High School	V.1 - 1987 AHU S-1 Replacement	\$ 39,000	3.5	5	5	5	1	0	3.80
Bismarck High School	V.2 - 1987 AHU S-2 Replacement	\$ 39,000	3.5	5	5	5	1	0	3.80
Bismarck High School	V.6 - 1987 AHU S-6 Replacement	\$ 40,750	3.5	5	5	5	1	0	3.80
Bismarck High School	V.7 - 1987 AHU S-7 Replacement	\$ 43,500	3.5	5	5	5	1	0	3.80
Bismarck High School	V.8 - 1987 AHU S-8 Replacement	\$ 43,500	3.5	5	5	5	1	0	3.80
Bismarck High School	V.5 - 1987 AHU S-5 Replacement	\$ 47,500	3.5	5	5	5	1	0	3.80
Bismarck High School	V.3 - 1987 AHU S-3 Replacement	\$ 66,500	3.5	5	5	5	1	0	3.80
Bismarck High School	C.1b - Energy Management System - Enhance Scope	\$ 358,000	2	4	4	4	3	3.25	3.43

Key for Prioritization	
Priority	Priority Characteristics
5	Important and urgent for reasons specified. An organizational top priority.
1	Lower importance and urgency. May be deferred into the future if resources don't allow for immediate implementation.
0	Represents areas with no savings

APPENDIX C – PROJECT SUMMARY

District Summary – 2020

	Long-Range Priority	Low Priority	Moderate Priority	High Priority	Immediate Priority		Programatic Improvements	Operational Savings	
District Buildings	Priority					Deferred Maint. Total	Remodel/ Additions/ New Bldgs	Energy/O&M Savings Projects	District Total
	0 to 1	1.1 to 2	2.1 to 3	3.1 to 4	4.1 to 5				
Centennial Elementary School	\$ 558,540	\$ 470,160	\$ 670,320	\$ 1,067,508	\$ 111,780	\$ 2,878,308	\$ 2,244,600	\$ 330,750	\$ 5,453,658
Grimsrud Elementary School	\$ 172,800	\$ 434,160	\$ 863,460	\$ 264,420	\$ 1,396,800	\$ 3,131,640	\$ 4,053,528	\$ 435,100	\$ 7,620,268
Highland Acres Elementary School	\$ -	\$ 362,880	\$ 445,860	\$ 1,303,200	\$ -	\$ 2,111,940	\$ 1,454,400	\$ 378,150	\$ 3,944,490
Liberty Elementary School	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 442,240	\$ 442,240
Lincoln Elementary School	\$ -	\$ -	\$ -	\$ -	\$ 7,128	\$ 7,128	\$ 2,916,000	\$ 479,290	\$ 3,402,418
Miller Elementary School	\$ 254,160	\$ 660,420	\$ 621,360	\$ 420,480	\$ 214,560	\$ 2,170,980	\$ 434,160	\$ 580,500	\$ 3,185,640
Moses Elementary School	\$ 36,000	\$ 630,900	\$ 1,672,128	\$ 310,320	\$ 1,392,300	\$ 4,041,648	\$ 956,160	\$ 632,500	\$ 5,630,308
Murphy Elementary School	\$ 82,800	\$ 739,440	\$ 236,160	\$ 462,420	\$ 1,142,640	\$ 2,663,460	\$ 80,280	\$ 658,000	\$ 3,401,740
Myhre Elementary School	\$ 251,640	\$ 765,640	\$ 822,600	\$ 2,992,500	\$ -	\$ 4,832,380	\$ 153,360	\$ 741,450	\$ 5,727,190
Northridge Elementary School	\$ -	\$ 211,824	\$ 157,000	\$ -	\$ -	\$ 368,824	\$ -	\$ 77,000	\$ 445,824
Pioneer Elementary School	\$ 50,040	\$ 570,780	\$ 374,040	\$ 2,305,440	\$ 231,840	\$ 3,532,140	\$ 457,020	\$ 125,550	\$ 4,114,710
Prairie Rose Elementary School	\$ 197,820	\$ 209,160	\$ 84,780	\$ 1,540,800	\$ -	\$ 2,032,560	\$ 252,720	\$ 496,650	\$ 2,781,930
Roosevelt Elementary School	\$ 101,232	\$ 103,320	\$ 634,860	\$ 1,707,660	\$ 80,640	\$ 2,627,712	\$ 499,320	\$ 164,900	\$ 3,291,932
Solheim Elementary School	\$ 595,800	\$ 511,380	\$ 588,240	\$ 1,187,280	\$ 82,800	\$ 2,965,500	\$ 2,282,400	\$ 620,500	\$ 5,868,400
Sunrise Elementary School	\$ -	\$ 408,960	\$ -	\$ -	\$ -	\$ 408,960	\$ -	\$ 205,600	\$ 614,560
Will Moore Elementary School	\$ 100,620	\$ 609,120	\$ 530,640	\$ -	\$ -	\$ 1,240,380	\$ 786,240	\$ 173,050	\$ 2,199,670
Horizon Middle School	\$ 128,160	\$ 1,416,960	\$ 385,200	\$ 1,684,800	\$ 15,120	\$ 3,630,240	\$ -	\$ 612,540	\$ 4,242,780
Simle Middle School	\$ 203,940	\$ 1,072,260	\$ 1,806,660	\$ 606,600	\$ -	\$ 3,689,460	\$ 615,600	\$ 854,640	\$ 5,159,700
Wachter Middle School	\$ 39,960	\$ 2,798,680	\$ 337,860	\$ 270,540	\$ 1,661,760	\$ 5,108,800	\$ 46,440	\$ 1,093,500	\$ 6,248,740
Bismarck High School	\$ 183,240	\$ 1,952,100	\$ 1,807,560	\$ 989,820	\$ 1,296,000	\$ 6,228,720	\$ 1,635,840	\$ 807,250	\$ 8,671,810
Century High School	\$ 662,400	\$ 1,523,160	\$ 555,840	\$ 149,940	\$ 2,976,480	\$ 5,867,820	\$ 4,622,400	\$ 1,118,750	\$ 11,608,970
Legacy High School	\$ -	\$ -	\$ 24,480	\$ -	\$ 209,520	\$ 234,000	\$ 13,484,880	\$ 571,250	\$ 14,290,130
Athletic Complex	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 89,280	\$ 4,000	\$ 93,280
BECEP-Richholt	\$ 148,320	\$ 686,880	\$ -	\$ 417,960	\$ 1,296,720	\$ 2,549,880	\$ -	\$ 303,650	\$ 2,853,530
Career Academy	\$ -	\$ 414,000	\$ -	\$ -	\$ -	\$ 414,000	\$ -	\$ 291,150	\$ 705,150
Facilities and Transportation	\$ 1,642,320	\$ 321,460	\$ 12,240	\$ 68,400	\$ 57,240	\$ 2,101,660	\$ -	\$ 104,000	\$ 2,205,660
Hughes Educational Center	\$ 103,500	\$ 1,154,988	\$ 1,974,960	\$ 319,320	\$ 204,480	\$ 3,757,248	\$ 362,880	\$ 254,960	\$ 4,375,088
Riverside Educational Center	\$ 320,760	\$ 182,180	\$ 621,180	\$ 1,478,160	\$ 22,320	\$ 2,624,600	\$ 15,783,948	\$ 6,368,180	\$ 24,776,728
Project Totals	\$ 5,834,052	\$ 18,210,812	\$ 15,227,428	\$ 19,547,568	\$ 12,400,128	\$ 71,219,988	\$ 53,211,456	\$ 18,925,100	\$ 143,356,544

Updated 2023

	Long-Range Priority	Low Priority	Moderate Priority	High Priority	Immediate Priority		Programatic Improvements	Operational Savings	
District Buildings	Priority					Deferred Maint. Total	Remodel/ Additions/	Energy/O&M	District Total
	0 to 1	1.1 to 2	2.1 to 3	3.1 to 4	4.1 to 5		New Bldgs	Savings Projects	
Centennial Elementary School	\$ 433,620	\$ -	\$ 270,720	\$ 892,528	\$ 35,000	\$ 1,631,868	\$ 2,244,600	\$ 169,500	\$ 4,045,968
Grimsrud Elementary School	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,225,000	\$ -	\$ 5,225,000
Highland Acres Elementary School	\$ -	\$ 194,940	\$ 445,860	\$ 1,363,900	\$ -	\$ 2,004,700	\$ 1,454,400	\$ 330,000	\$ 3,789,100
Liberty Elementary School	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Lincoln Elementary School	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Miller Elementary School	\$ 168,480	\$ 505,620	\$ 552,240	\$ 466,680	\$ 214,560	\$ 1,907,580	\$ 434,160	\$ 474,250	\$ 2,815,990
Moses Elementary School	\$ -	\$ 228,420	\$ 1,447,200	\$ 350,320	\$ 1,392,300	\$ 3,418,240	\$ 918,360	\$ 522,000	\$ 4,858,600
Murphy Elementary School	\$ 29,160	\$ 342,720	\$ 133,200	\$ 462,420	\$ 1,082,000	\$ 2,049,500	\$ -	\$ 523,000	\$ 2,572,500
Myhre Elementary School	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,500,000	\$ -	\$ 5,500,000
Northridge Elementary School	\$ -	\$ 211,824	\$ 157,000	\$ -	\$ -	\$ 368,824	\$ -	\$ -	\$ 368,824
Pioneer Elementary School	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,300,000	\$ -	\$ 4,300,000
Prairie Rose Elementary School	\$ 174,960	\$ 159,120	\$ 59,400	\$ 1,540,800	\$ -	\$ 1,934,280	\$ 252,720	\$ 429,000	\$ 2,616,000
Roosevelt Elementary School	\$ 4,392	\$ 103,320	\$ 396,000	\$ 1,669,480	\$ 20,000	\$ 2,193,192	\$ 464,940	\$ 122,750	\$ 2,780,882
Solheim Elementary School	\$ 396,360	\$ 188,460	\$ 436,320	\$ 870,660	\$ 56,160	\$ 1,947,960	\$ 2,282,400	\$ -	\$ 4,230,360
Sunrise Elementary School	\$ -	\$ 408,960	\$ -	\$ -	\$ -	\$ 408,960	\$ -	\$ -	\$ 408,960
Will Moore Elementary School	\$ -	\$ -	\$ -	\$ 76,900	\$ -	\$ 76,900	\$ 1,650,000	\$ 93,250	\$ 1,820,150
Horizon Middle School	\$ -	\$ 1,416,960	\$ 385,200	\$ 1,684,800	\$ -	\$ 3,486,960	\$ -	\$ 92,000	\$ 3,578,960
Simle Middle School	\$ 172,080	\$ 978,840	\$ 1,806,660	\$ 606,600	\$ -	\$ 3,564,180	\$ 615,600	\$ 80,640	\$ 4,260,420
Wachter Middle School	\$ -	\$ 1,663,960	\$ 274,500	\$ 270,540	\$ 1,581,120	\$ 3,790,120	\$ -	\$ 855,250	\$ 4,645,370
Bismarck High School	\$ -	\$ 1,384,380	\$ 525,960	\$ 989,820	\$ 1,296,000	\$ 4,196,160	\$ 1,000,800	\$ 425,250	\$ 5,622,210
Century High School	\$ 443,520	\$ 805,320	\$ 287,280	\$ 149,940	\$ 2,976,480	\$ 4,662,540	\$ 4,622,400	\$ 826,750	\$ 10,111,690
Legacy High School	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Athletic Complex	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 89,280	\$ -	\$ 89,280
BECEP-Richholt	\$ 89,280	\$ 502,740	\$ -	\$ 399,240	\$ 1,041,840	\$ 2,033,100	\$ -	\$ 228,000	\$ 2,261,100
Career Academy	\$ -	\$ 414,000	\$ -	\$ -	\$ -	\$ 414,000	\$ -	\$ -	\$ 414,000
Facilities and Transportation	\$ 1,555,560	\$ 228,960	\$ 12,240	\$ 68,400	\$ -	\$ 1,865,160	\$ -	\$ 82,000	\$ 1,947,160
Hughes Educational Center	\$ 103,500	\$ 1,154,988	\$ 1,974,960	\$ 53,640	\$ 204,480	\$ 3,491,568	\$ 362,880	\$ 247,060	\$ 4,101,508
Riverside Educational Center	\$ 286,560	\$ 152,820	\$ 621,180	\$ 1,478,160	\$ 22,320	\$ 2,561,040	\$ 98,640	\$ 2,570,500	\$ 5,230,180
Project Totals	\$ 3,857,472	\$ 11,046,352	\$ 9,785,920	\$ 13,394,828	\$ 9,922,260	\$ 48,006,832	\$ 31,516,180	\$ 8,071,200	\$ 87,594,212

Programmatic Improvements (2023)

Centennial	Addition: Multi-purpose, music, expand existing kitchen, updated entrance, and support space.
Grimsrud	Addition: Gym and Library. Remodel: Student support space, bathrooms, and general modernization.
Highland Acres	Remodel: Updated entrance, library, casework.
Miller	Remodel: Updated entrance, bathrooms, casework.
Moses	Addition: Multi-purpose, expand kitchen.
Myhre	Addition: Updated entrance, kitchen and office, student support space, parking and traffic flow improvements.
Pioneer	Addition: Updated entrance and office, elevator, specialist, and classroom space.
Prairie Rose	Remodel: Updated entrance and elevator.
Roosevelt	Addition: Updated entrance, support space and parking.
Solheim	Addition: Multi-purpose, music, expand existing kitchen, and parking and traffic flow improvements.
Will-Moore	Remodel: Updated secure entrance and elevator.
Simle Middle	Addition: Expand cafeteria.
Bismarck High	Remodel: Knaak Library, old library into classrooms.
Century High	Addition: Expand existing gym by 50%, fitness and weigh room, visitor lockers, black box and green space.
Sanford Sports Complex	Addition: Tennis bathrooms and visitors locker room.
Hughes Educational Center	Remodel: See CTE discussion below.

Other Improvement Considerations

Career and Technical Education expansion. Expand middle school programming for career clusters at Hughes Education Center. Add and expand programming of high school programming to be included at Silver Ranch.

APPENDIX D – CAPITAL PROJECTS FUNDING OPTIONS

Current Debt Capacity for the District (\$669,162,130 additional available)

Issue Name	Balance	Last Payment
2012 G.O. Bond	\$4,115,000	5/1/2032
2014 G.O. Bond	\$7,640,592	6/1/2034
2017 A G.O. Bond	\$21,625,000	8/1/2034
2017 B G.O. Bond	\$3,330,000	5/1/2037
2018 G.O. Bond	\$6,922,148	8/1/2038
2019 G.O. Bond	\$7,125,000	5/1/2039
2020 G.O. Bond	\$29,130,000	5/1/2033
2020 C G.O. Bond	\$530,000	5/1/2039
Total	\$105,642,740 Includes Building Fund debt below	

Building Fund Debt (Currently 3.48 mills of the 10 mills are for debt service)

2020 B G.O. Bond	\$25,225,000	5/1/2040
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Bond Election

Applicable Law: N.D.C.C. Section 57-15-16

Bond Elections can occur during the primary election or general election. These elections occur in the even number years. Bond sale takes an additional 2 months. Construction can start about 9 months after election. Requires 60% voter approval.

Levy Against the Building Fund

Applicable Law: N.D.C.C. Section 21-03-07(5)

Time Frame: 60-day protest period. Projects can start after the protest period is complete.

Process: The process of borrowing against the building fund levy starts with the adoption on an initial resolution, which must set forth (i) the maximum amount of bonds proposed to be issued (which is limited to an amount that can be paid on an annual basis from the building fund levy), (ii) the purpose

for which the bonds are proposed to be issued, (iii) the assessed valuation of all taxable property in the school district and (iv) the total amount of bonded indebtedness of the school district. The initial resolution must be published once followed by a 60-day protest period. The proposed bonds may not be issued if protests are received that have been signed by the owners of taxable property having an assessed valuation equal to 5% or more of the assessed valuation of all taxable property in the school district. If protests are insufficient, the school district may proceed to issue bonds by competitive sale, up to the dollar amount listed in the Initial Resolution.

In recent times Bismarck PSD has borrowed against the building fund levy to finance the following projects: (i) Century High School gymnasium addition, (ii) remodel of former Hughes Middle School building, and (iii) construction of Centennial Elementary, (iv) Elk Ridge and Silver Ranch Elementary Schools.

Building Fund Over Time

Time Frame – Use the building fund when funds become available.

Combination of Levy Against the Building Fund and Building Fund Over Time

Combination of the two options. This allows the start the projects earlier and balancing the amount needed for debt service from the building fund.

Third-Party Financing

Third-party financing is available for funding comprehensive facility management plans through a number of different financial instruments including tax exempt leasing, capital facilities bonds, and numerous others. Many variations of third-party financing exist with terms typically available for up to 15 years. Projects financed through these instruments are typically higher than bond rates.

APPENDIX E – SCHOOL SECTION SIZE, CAPACITY AND CURRENT ENROLLMENT

Elementary School Data (12/1/2025)

1-Section Schools

<u>School</u>	<u>Capacity</u>	<u>Current Enrollment</u>
Highland Acres	128	101
Prairie Rose	128	132
Roosevelt	128	117

2-Section Schools

<u>School</u>	<u>Capacity</u>	<u>Current Enrollment</u>
Grimsrud	256	200
Myhre	256	247
Pioneer	256	189
Will-Moore	256	207

3-Section Schools

<u>School</u>	<u>Capacity</u>	<u>Current Enrollment</u>
Centennial	384	378
Moses	384	380

4-Section Schools

<u>School</u>	<u>Capacity</u>	<u>Current Enrollment</u>
Elk Ridge)	512	480
Liberty	512	438
Miller	512	473
Murphy	512	392
Northridge	512	444
Silver Ranch	512	372
Solheim	512	573
Sunrise	512	457

6-Section Schools

<u>School</u>	<u>Capacity</u>	<u>Current Enrollment</u>
Lincoln (Lin)	768	584

Middle School Data

<u>School</u>	<u>Capacity</u>	<u>Current Enrollment</u>
Horizon	1200	1181
Simle	1200	1015
Wachter	1200	1050

High School Data

<u>School</u>	<u>Capacity</u>	<u>Current Enrollment</u>
Bismarck	1600	1338
Century	1600	1428
Legacy	1600	1397