

Five-Year Facility Needs Report

2020-21 School Facility Needs Survey

North Carolina State Board of Education

September 1, 2021

*Nathan Maune, AIA
Section Chief, School Planning*



Statutory Requirement

- § 115C-521 - Erection of school buildings

Requires local boards of education to submit their long-range plans for meeting school facility needs to the State Board of Education every five years.



Survey Process

- School Planning conducts FNS at 5-year Intervals
- FNS Database developed & distributed to Districts
- Districts self-report Facility Needs
 - Renovations, Additions, Building Systems
 - Existing Schools
 - New Schools
- 5-year and 10-year Facility Needs
- Districts submit completed FNS Database
- FNS Data is compiled and reported



Database Platform

- Existing Schools by District
- Current ADM by District (pre-pandemic data)
- ADM Projections by District – 2021 to 2030
- K-12 Space Programming Standards
- Classroom Capacity Requirements
- School Construction Cost Data
- Cost Calculation Factors



Construction Costs

- Integrated into the FNS Database
- 2020 Cost Data = \$250 / SF for New Facilities
 - 2015 = \$194 / SF
 - 2010 = \$138 / SF
- FNS based on pre-pandemic Construction Costs
- Calculations do not reflect recent market volatility



Facility Needs

- 2021 to 2025 = \$12.79 Billion
- 2026 to 2030 = \$8.83 Billion

<i>Comparison of Five-Year Needs</i>			
5-Year Need	2015-16 Survey	2020-21 Survey	% Change
New Schools	\$ 2,787,390,899	\$ 4,827,615,231	73.19%
Additions	\$ 1,632,766,326	\$ 1,655,892,689	1.42%
Renovations	\$ 3,098,241,811	\$ 5,632,942,480	81.81%
Furnish / Equip	\$ 486,474,110	\$ 613,032,104	26.02%
Land	\$ 57,883,543	\$ 64,638,630	11.67%
Total	\$ 8,062,756,689	\$ 12,794,121,134	58.68%

Facility Needs

- New Schools
 - 131 New Schools – 111,156 Students
- Additions
 - 312 Schools
 - 2,045 Classrooms
 - 99 Gymnasiums
 - 59 Cafeterias
 - 39 Media Centers
- Renovations
 - 1,594 Schools
- School Replacement
 - 83 Schools



Needs Classification

- Repairs / Deferred Maintenance 45.1%
- Building Code / Life Safety 18.3%
- Replace Obsolete Facilities 10.3%
- HVAC / Energy Savings 10.0%
- Enrollment Growth 4.0%
- Technology Infrastructure 4.0%
- Other 8.3%

Recent Funding

- PSBCF Lottery Fund
 - \$500 million since 2016
 - Annual Allocation per-ADM
- NBPSCF Lottery Grants
 - \$359 million since 2017
 - Needs-Based Application
- Local Bond Referenda - School Construction
 - \$3.395 billion authorized since 2016
 - 17 counties



Questions...





North Carolina Department of

PUBLIC INSTRUCTION