



State of New Jersey

DEPARTMENT OF EDUCATION

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February 25, 2013

Mr. Richard Kaplan, Superintendent
MIDDLESEX COUNTY
New Brunswick School District
P.O. Box 2683
New Brunswick, NJ

Re: Approval of Long-Range Facilities Plan Amendment (SDA District)
Major Amendment; Enrollment and Educational Adequacy Impact

Dear Mr. Kaplan:

The Department of Education (Department) has completed its review of the proposed amendment to the approved Long-Range Facilities Plan (LRFP or Plan) submitted by New Brunswick School District (District) pursuant to the Educational Facilities Construction and Financing Act, P.L. 2000, c. 72 (N.J.S.A. 18A: 7G-1 *et seq.*), as amended by P.L. 2007, c. 137 (Act), N.J.A.C. 6A:26 -1 *et seq.* (Educational Facilities Code), and the Facilities Efficiency Standards (FES). The amendment includes the following updates to the LRFP previously approved on September 12, 2007:

- District-wide enrollment projections and proposed school enrollment
- Existing facilities inventory and proposed changes to address updated enrollment projections and District objectives
- Proposed systems work

The amendment submission includes updates to the Department's LRFP website and the submission of required supporting documentation, including a Board of Education resolution authorizing the amendment.

The Department has approved the District's LRFP amendment submission, which is reflected in the attached "Summary of the Long-Range Facilities Plan, as Amended February 25, 2013." **The approved LRFP amendment fulfills LRFP reporting requirements for a period of five years from the date of this letter per N.J.S.A. 18A: 7G-4 (a) unless the LRFP needs to be further amended to address a proposed school facilities project that is inconsistent with the approved Plan.** The approval of the LRFP amendment, and thus the approved amended LRFP, supersedes all former LRFP approvals and replaces all prior versions of the LRFP. Unless and until a new amendment is submitted to and approved by the Department pursuant to N.J.S.A. 18A:7G-4(c), this approved LRFP shall remain in effect.

Approval of the LRFP, and any projects and costs listed therein, does not imply approval of an individual school facilities project or its corresponding costs and eligibility for State support under the Act. Similarly, approval of the LRFP does not imply approval of portions of the Plan that are inconsistent with the Department's FES and proposed

building demolition or replacement. Determination of preliminary eligible costs and final eligible costs will be made at the time of the approval of a particular school facilities project pursuant to N.J.S.A. 18A:7G-5. The District must submit a feasibility study as part of the school facilities project approval process, pursuant to N.J.S.A. 18A:7G-7b, to support proposed building demolition or replacement. The feasibility study should demonstrate that a building might pose a risk to the safety of the occupants after rehabilitation or that rehabilitation is not cost-effective.

Please contact Susan Kutner at the Office of School Facilities at (609) 943-5681 or email susan.kutner@doe.state.nj.us with any questions you may have pertaining to the District's LRFP. Contact Jeanne Dunn, County Manager at the Office of School Facilities, at telephone number (609) 341-3097 or email at jeanne.dunn@doe.state.nj.us with any questions pertaining to project advancement.

Sincerely,

Bernard E. Piaia, Jr.
Director, Office of School Facilities

BEP: sk

Enclosure

c: Susan Kutner, Director of Policy and Planning, Office of School Facilities
Jeanne Dunn, Manager, Office of School Facilities
Richard Jannarone, School Business Administrator
Jack Humma, Director of Support Services

Summary of the Long-Range Facilities Plan, as Amended February 25, 2013

The Department of Education (Department) has completed its review of the Long-Range Facilities Plan (LRFP or Plan) amendment submitted by the New Brunswick School District (District) pursuant to the Educational Facilities Construction and Financing Act, P.L. 2000, c. 72 (N.J.S.A. 18A: 7G-1 *et seq.*), as amended by P.L. 2007, c. 137 (Act), N.J.A.C. 6A:26-1 *et seq.* (Educational Facilities Code), and the Facilities Efficiency Standards (FES).

This is the Department's summary of the District's LRFP, as amended February 25, 2013. The summary is based on the standards set forth in the Act, the Educational Facilities Code, the FES, District-entered data in the Department's LRFP website, and District-supplied supporting documentation. The referenced reports in *italic* text are standard LRFP reports available on the Department's LRFP website.

1. Inventory Overview

The District provides services for students in grades PK-12. The predominant existing school grade configuration is PK/K-5 / 6-8 / 9-12. The predominant proposed school grade configuration is PK/K-5 / 6-8 / 9-12. The District is classified as SDA District for funding purposes.

The District identified existing and proposed schools, sites, buildings, playgrounds, playfields, and parking lots in its LRFP. The total number of existing and proposed district-owned or leased schools, sites, and buildings are listed in Table 1. A detailed description of each asset can be found in the LRFP website report titled "*Site Asset Inventory Report*." Section 6 of this Summary lists work proposed at each school.

Table 1: Inventory Summary

	Existing	Proposed
Sites:		
Total Number of Sites	14	15
Number of Sites with no Buildings	0	1
Number of Sites with no Instructional Buildings (PK-12)	2	3
Schools and Buildings:		
Total Number of Schools with Enrollments*	11	12
Total Number of Instructional Buildings (PK-12)	12	12
Total Number of Other District Buildings	2	2

*Includes schools with three-digit Department code numbers and NJ Smart enrollments.

As directed by the Department, incomplete school facilities projects that are under construction or funded by the New Jersey School Development Authority are represented as "existing" in the LRFP website. District projects in either of these two categories that include new construction and/or the reconfiguration of existing program space are as follows: A. Chester Redshaw School, Paul Robeson Community School.

Major conclusions are as follows:

- The District is proposing to increase the existing number of District-owned or leased sites.
- The District is proposing to increase the existing number of District-operated schools.
- The District is proposing to maintain the existing number of District-owned or leased instructional buildings. The District is proposing to maintain the existing number of District-owned or leased non-instructional buildings.

FINDINGS The Department has determined that the proposed inventory is adequate for approval of the District's LRFP amendment. However, the LRFP determination does not imply approval of an individual school facilities project listed within the LRFP. The District must submit individual project applications for project approval. If building demolition or replacement is proposed, the District must submit a feasibility study, pursuant to N.J.S.A. 18A:7G-7b, as part of the application for the specific school facilities project.

2. K-12 Enrollments

The number of students, or "proposed enrollments," for five-year planning purposes was determined by the District on a district-wide and school level basis. A standard cohort-survival enrollment projection based on historic enrollments from the 2007-12 school years was used.

The District's existing and proposed enrollments and the "baseline" cohort-survival projection provided on the Department's LRFP website are listed in Table 2. Detailed information can be found in the LRFP website report titled "*Enrollment Projection Detail*." Existing and proposed school enrollments and grade alignments can be found in the report titled "*Enrollment and School Grade Alignment*." An analysis of preschool enrollments is provided in Section 3.

Table 2: K-12 Enrollment Comparison

	Actual Enrollments 2012-13	District Proposed Enrollments
Grades K-5, including SCSE	4,532	4,677
Grades 6-8, including SCSE	1,579	1,955
Grades 9-12, including SCSE	1,741	1,881
District K-12 Totals	7,852	8,513

"SCSE" = Self-Contained Special Education

FINDINGS The Department has determined that the District's proposed enrollments are supportable for approval of the District's LRFP amendment. The Department will require an updated enrollment projection at the time an application for a school facilities project is submitted incorporating the District's most recent enrollments in order to verify that the LRFP's planned capacity is appropriate for the updated enrollments.

3. Preschool Enrollments

The District identified the preschool universe for five-year planning purposes and the anticipated future use of community provider and Head Start programs to accommodate capacity needs. The preschool universe includes accommodations for three year old, four year old, and self-contained special education students.

Table 3 summarizes existing and proposed preschool enrollments in District and private provider facilities. Ninety percent (90%) of District births three or four years prior to the projection year and the average birth to kindergarten survival ratio are also listed for comparative purposes.

Table 3: Preschool Enrollments

	Total Preschool	District	Private Provider
Actual (2012-13)	1,398	243	1,155
District Proposed Universe	1,475	320	1,155
90% of Births 3-4 Years Earlier	1,973		
Historic Average Birth to Kindergarten Survival Rate Percentage	0.711		

Major conclusions are as follows:

- The majority of the District's preschool enrollments are currently served by private providers. No significant changes are proposed.
- District and private provider facilities are proposed to accommodate approximately 74% of the preschool universe based on births three or four years earlier.

FINDINGS The Department has determined that the District-proposed preschool enrollments are adequate for approval of the District's LRFP amendment. The Department will require a current enrollment projection at the time an application for a school facilities project is submitted and an update on private provider enrollments in order to verify that the LRFP's planned capacity continues to meet District enrollments.

4. FES and District Practices Capacity

The proposed room inventories for each school were analyzed to determine whether the LRFP provides adequate capacity for the proposed enrollments. Two capacity calculation methods, called "*FES Capacity*" and "*District Practices Capacity*," were used to assess existing and proposed school capacity in accordance with the FES and District program delivery practices. A third capacity calculation, called "*Functional Capacity*," determines Unhoused Students and potential State support for school facilities projects. Functional Capacity is analyzed in Section 5 of this Summary.

- *FES Capacity* only assigns capacity to pre-kindergarten (if district-owned or operated), kindergarten, general, and self-contained special education classrooms. No other room types are considered to be capacity-generating. Class size is based on the FES and is prorated for classrooms that are sized smaller than FES classrooms. FES Capacity is most accurate for elementary schools, or schools with non-departmentalized programs, in which instruction is "homeroom" based. This capacity calculation may also be accurate for middle schools depending upon the program structure. However, this method

usually significantly understates available high school capacity since specialized spaces that are typically provided in lieu of general classrooms are not included in the capacity calculations.

- *District Practices Capacity* allows the District to include specialized room types in the capacity calculations and adjust class size to reflect actual practices. This calculation is used to review capacity and enrollment coordination in middle and high schools.

A capacity utilization factor in accordance with the FES is included in both capacity calculations. A 90% capacity utilization rate is applied to classrooms serving grades K-8. An 85% capacity utilization rate is applied to classrooms serving grades 9-12. No capacity utilization factor is applied to preschool classrooms.

Table 4 provides a summary of proposed enrollments and District-wide capacities. Detailed information can be found in the LRFP website report titled “*FES and District Practices Capacity.*”

Table 4 Proposed Enrollments and Capacity Summary

	Proposed Enrollment	Proposed FES Capacity	Deviation*	Proposed District Practices Capacity	Deviation*
Preschool (PK)	320	283.07	63.07	327.93	7.93
Elementary (K-5)	4,678	4,655.92	-22.08	4,779.58	101.58
Middle (6-8)	1,955	1,744.40	-210.60	1,985.00	30.00
High (9-12)	1,880	1,412.20	-467.80	2,233.80	353.80
District Totals	8,833	8,195.59	-637.40	9,326.30	493.30

* Positive numbers signify surplus capacity; negative numbers signify inadequate capacity. Negative values for District Practices capacity are acceptable if proposed enrollments do not exceed 100% capacity utilization.

Major conclusions are as follows:

- The District has adequately coordinated proposed school capacities and enrollments in the LRFP for grade groups with proposed new construction.
- Adequate justification has been provided by the District if capacity for a school with proposed work in the LRFP deviates from the proposed enrollments by more than 5%.

FINDINGS The Department has determined that proposed District capacity, in accordance with the proposed enrollments, is adequate for approval of the District’s LRFP amendment. The Department will require a current enrollment projection at the time an application for a school facilities project is submitted in order to verify that the LRFP’s planned capacity meets the District’s updated enrollments.

5. Functional Capacity and Unhoused Students Prior to Proposed Work

Functional Capacity was calculated and compared to proposed enrollments to provide a preliminary estimate of Unhoused Students and new construction funding eligibility. Functional Capacity is the adjusted gross square feet of a school building (*total gross square feet minus excluded space*) divided by the minimum area allowance

per Full-time Equivalent student for the grade level contained therein. Unhoused Students is the number of students projected to be enrolled in the District that exceeds the Functional Capacity of the District's schools pursuant to N.J.A.C. 6A:26-2.2(c).

"Excluded Square Feet" in the LRFP Functional Capacity calculation includes (1) square footage exceeding the FES for any pre-kindergarten, kindergarten, general education, or self-contained special education classroom; (2) grossing factor square footage (*corridors, stairs, mechanical rooms, etc.*) that exceeds the FES allowance, and (3) square feet proposed to be demolished or discontinued from use. Excluded square feet may be revised during the review process for individual school facilities projects.

Table 5 provides a preliminary assessment of Functional Capacity, Unhoused Students, and Estimated Maximum Approved Area for the various grade groups in accordance with the FES. Detailed information concerning the calculation and preliminary excluded square feet can be found in the LRFP website reports titled "Functional Capacity and Unhoused Students" and "Functional Capacity Excluded Square Feet."

Table 5: Functional Capacity and Unhoused Students Prior to Proposed Work

	A Proposed Enrollment	B Estimated Existing Functional Capacity	C = A-B Unhoused Students	D Area Allowance (gsf/students)	E = C x D Estimated Maximum Approved Area for Unhoused Students
Preschool (PK)	320	366.71	0.00	125.00	0.00
Elementary (K-5)	4,678	3,502.21	1,175.79	125.00	146,974.11
Middle (6-8)	1,955	1,726.18	228.82	134.00	30,661.96
High (9-12)	1,880	2,302.39	0.00	151.00	0.00
District Totals	8,833	7,897.48			

Major conclusions are as follows:

- The calculations for "Estimated Existing Functional Capacity" include incomplete school facilities projects that are under construction and/or funded by the New Jersey School Development Authority.
- The District, based on the preliminary LRFP assessment, has Unhoused Students for the following FES grade groups: K-5, 6-8.
- The District, based on the preliminary LRFP assessment, does not have Unhoused Students for the following grade groups: PK, 9-12.
- The District is proposing to demolish or discontinue the use of existing district-owned instructional space. The Functional Capacity calculation excludes square feet proposed to be demolished or discontinued for the following FES grade groups: K-5.

FINDINGS Functional Capacity and Unhoused Students calculated in the LRFP are preliminary estimates. Justification for square footage in excess of the FES and the determination of additional excluded square feet, Preliminary Eligible Costs (PEC), and Final Eligible Costs (FEC) will be included in the review process for specific school facilities projects. A feasibility study undertaken by the District is required if building demolition or replacement is proposed per N.J.A.C. 6A:26-2.3(b)(10).

6. Proposed Work

The District was instructed to review the condition of its facilities and sites and to propose corrective “system” and “inventory” actions in its LRFP. “System” actions upgrade existing conditions without changing spatial configuration or size. Examples of system actions include new windows, finishes, and mechanical systems. “Inventory” actions address space problems by removing, adding, or altering sites, schools, buildings and rooms. Examples of inventory actions include building additions, the reconfiguration of existing walls, or changing room use.

Table 6 summarizes the type of work proposed in the District’s LRFP for instructional buildings. Detailed information can be found in the LRFP website reports titled “Site Asset Inventory,” “LRFP Systems Actions Summary,” and “LRFP Inventory Actions Summary.”

Table 6: Proposed Schools and Scope of Work

School Name	Proposed Grades	Proposed Scope of Work	Land Needed
A. Chester Redshaw	PK-5	Funded new school project entered as existing; New parking lot on Livingston Site after Livingston building replacement/demolition	N
Livingston	K-5	Demolition of existing; Replacement school on new site	Y
Lord Stirling	PK-5	Systems	N
McKinley	PK-8	Systems	N
Paul Robeson	K-5	Funded renovation/addition project entered as existing	N
Roosevelt	PK-5	Renovation/addition	N
Woodrow Wilson	K-8	Partial demolition; Renovation/addition	N
Lincoln at St. Peters	PK-5	Purchase, renovation	N
Lincoln (incl. BOE offices)	6-8	Renovation	N
New Brunswick Middle School	6-8	Renovation/addition	N
Health Science Technology	9-12	No proposed work	N
New Brunswick High School	9-12	No proposed work	N
Adult Learning Center	--	Renovation; Removal of BOE offices	N

Major conclusions are as follows:

- The District has proposed system upgrades in one or more instructional buildings.
- The District has proposed inventory changes, including new construction, in one or more instructional buildings.
- The District has proposed new construction in lieu of rehabilitation in one or more instructional building.

Please note that costs represented in the LRFP are for capital planning purposes only. Estimated costs are not intended to represent preliminary eligible costs or final eligible costs of approved school facilities projects.

The Act (N.J.S.A. 18A:7G-7b) provides that all school facilities shall be deemed suitable for rehabilitation unless a pre-construction evaluation undertaken by the District demonstrates to the satisfaction of the Commissioner that the structure might pose a risk to the safety of the occupants even after rehabilitation or that rehabilitation is not cost-effective. Pursuant to N.J.A.C. 6A:26-2.3(b)(10), the Commissioner may identify school facilities for which new construction is proposed in lieu of rehabilitation for which it appears from the information presented that new construction is justified, provided, however, that for such school facilities so identified, the District must submit a feasibility study as part of the application for the specific school facilities project. The cost of each proposed building replacement is compared to the cost of additions or rehabilitation required to eliminate health and safety deficiencies and to achieve the District's programmatic model.

Facilities used for non-instructional or non-educational purposes are ineligible for State support under the Act. However, projects for such facilities shall be reviewed by the Department to determine whether they are consistent with the District's LRFP and whether the facility, if it is to house students (full or part time) conforms to educational adequacy requirements. These projects shall conform to all applicable statutes and regulations.

FINDINGS The Department has determined that the proposed work is adequate for approval of the District's LRFP amendment. However, Department approval of proposed work in the LRFP does not imply that the District may proceed with a school facilities project. The District must submit individual project applications with cost estimates for Department project approval. Both school facilities project approval and other capital project review require consistency with the District's approved LRFP.

7. Functional Capacity and Unhoused Students After Completion of Proposed Work

The *Functional Capacity* of the District's schools **after** completion of the scope of work proposed in the LRFP was calculated to highlight any remaining Unhoused Students. Table 7 provides a preliminary assessment. Detailed information concerning the calculation can be found in the website report titled "*Functional Capacity and Unhoused Students.*"

Table 7: Functional Capacity and Unhoused Students After Completion of Proposed Work

	Estimated Maximum Approved Area for Unhoused Students	Total Proposed New GSF	Proposed Functional Capacity after Construction	Unhoused Students after Construction	Estimated Maximum Area for Unhoused Students Remaining
Pre-Kindergarten	0.00	2,666	388.04	0.00	0.00
Elementary (K-5)	146,974.11	252,371	5,514.15	0.00	0.00
Middle (6-8)	30,661.96	38,434	2,019.55	0.00	0.00
High (9-12)	0.00	0	2,302.39	0.00	0.00
District Totals		293,470	10,224.12		

Major conclusions are as follows:

- New construction is proposed for the following grade groups: PK, K-5, 6-8.

- Proposed new construction exceeds the estimated maximum area allowance for Unhoused Students prior to the completion of the proposed work for the following grade groups: PK, K-5, 6-8.
- The District, based on the preliminary LRFP assessment, will not have Unhoused Students after completion of the proposed work.

FINDINGS The Functional Capacity and Unhoused Students calculated in the LRFP are preliminary estimates. Justification for square footage in excess of the FES and the determination of additional excluded square feet, Preliminary Eligible Costs (PEC), and Final Eligible Costs (FEC) will be included in the review process for specific school facilities projects.

8. Proposed Room Inventories and the Facilities Efficiency Standards

The District's proposed room inventories for instructional buildings, or programmatic models, were evaluated to assess general educational adequacy and compliance with the FES area allowance pursuant to N.J.A.C. 6A:26-2.2 and 2.3.

Major conclusions are as follows:

- The District is proposing school(s) that will provide less square feet per student than the FES allowance (Health Science Technology High School).
- The District is proposing school(s) that exceed the FES square foot per student allowance.

FINDINGS The Department has reviewed the District's proposed room inventories and has determined that each is educationally adequate. If schools are proposed to provide less square feet per student than the FES, the District has provided a written justification indicating that the educational adequacy of the facility will not be adversely affected and has been granted an FES waiver by the Department. This determination does not include an assessment of eligible square feet for State support. State support eligibility will be determined at the time an application for a specific school facilities project is submitted to the Department. The Department will also confirm that a proposed school facilities project conforms with the proposed room inventory represented in the LRFP when an application for a specific school facilities project is submitted to the Department for review and approval.