



Newton Public Schools Long-Range Facilities Planning

**Joint Meeting and Discussion:
City Council and School Committee
June 13, 2019**

Discussion Topics

1. School Facility Goals
2. Progress
3. Current Projects
4. Short-Range plans
5. Long-Range plans
6. Current Enrollment and Capacity
7. Changing conditions / Planning strategies /
Development Scenario Review

School Facility Goals

- **Up-to-date teaching and learning facilities**
 - Regular Education, Small Group instruction, Special Education, Art, Music, Gymnasium, Media Center, Cafeteria
- **K-5 capacity to maintain class sizes and meet educational needs**
- **Sufficient middle school capacity**
- **High School enrollment balance**
- **Improve access (ADA), sustainability, energy, safety and security**

Progress

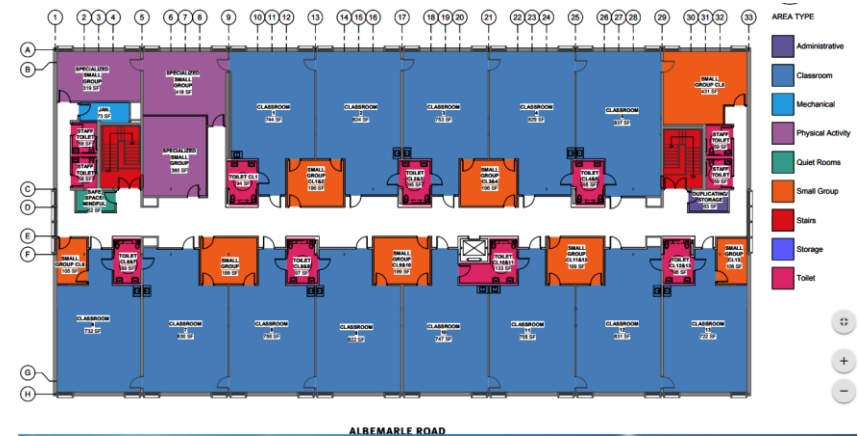
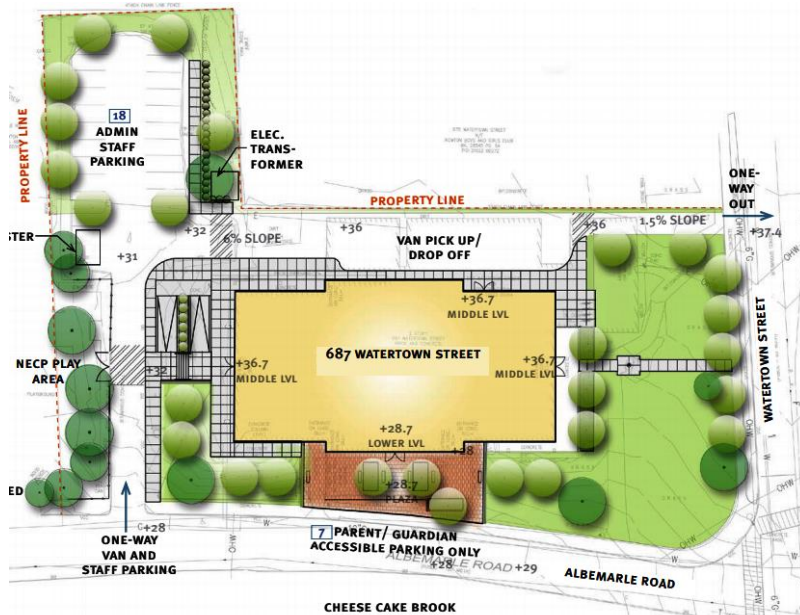


Progress



Opening September 2019

Newton Early Childhood Program (NECP) at 687 Watertown (Former Horace Mann)



Lincoln-Eliot at 150 Jackson



Existing Conditions | Site Plan



Progress: Middle School Expansion



- 2019 Oak Hill Internal Expansion
- 2017 Brown Modular Addition
- 2013 Day Middle School Addition/Renovation
- 2010 Oak Hill Modular Addition



Swing Space Investments

Carr/Horace Mann



- 2013 complete renovation/addition
- Swing space until 2019
- Horace Mann in 2019-20

Lincoln-Eliot



- 2018 HVAC / envelope repairs
- 2019 Full window replacement
- Future swing space

Current Projects

- **Two Moves this Summer: Cabot and Horace Mann**
- **Lincoln-Eliot improvements**
- **NECP Site Plan Approval / Schematic Design**
- **150 Jackson Road (Former Aquinas) Options**

Short-Range Plans - Facilities

- Horace Mann (225 Nevada): interior work (NPS) and bus loop
- Oak Hill interior work (CIP)
- CIP investments –Horace Mann air conditioning (225 Nevada), Lincoln-Eliot boiler and controls and window project
- 2018 MSBA Accelerated Repair Program – Bigelow, then Day boiler projects

Short-Range Plans – Enrollment Management

- **Buffer zones**
- **School district boundaries**
- **Secondary school room utilization and class sizes**
- **District wide program locations**

Long-Range Plan Completions

- **Sept. 2019: Cabot, Horace Mann** (225 Nevada)
- **Jan. 2021: NECP**
- **Sept. 2023: Lincoln-Eliot**
- **Sept. 2025: Countryside** (proposal submitted to MSBA spring 2019)
- **Sept. 2027: Ward**
- **Sept. 2029: Franklin**
- **Sept. 2031: Williams**
- **Sept. 2033: Mason-Rice**



Enrollment Projections & Capacity

- Enrollment projections as of November 2018 (Enrollment Analysis Report, NPS)
- Includes permitted developments as of November 2018
 - Court Street
 - Kessler Woods
 - Austin Street
 - Washington Place

Current 5-Year and 10-Year NPS Projections

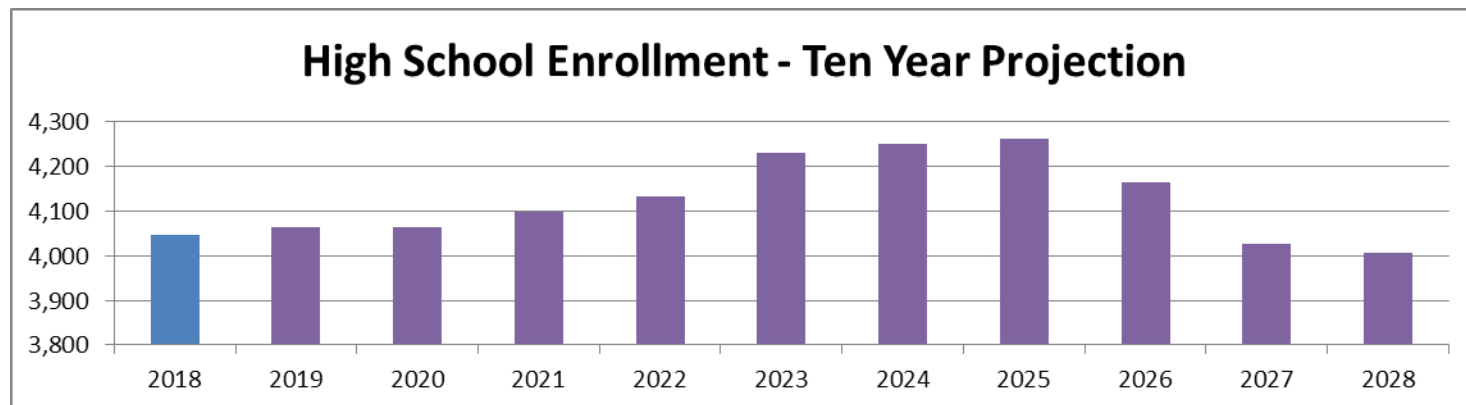
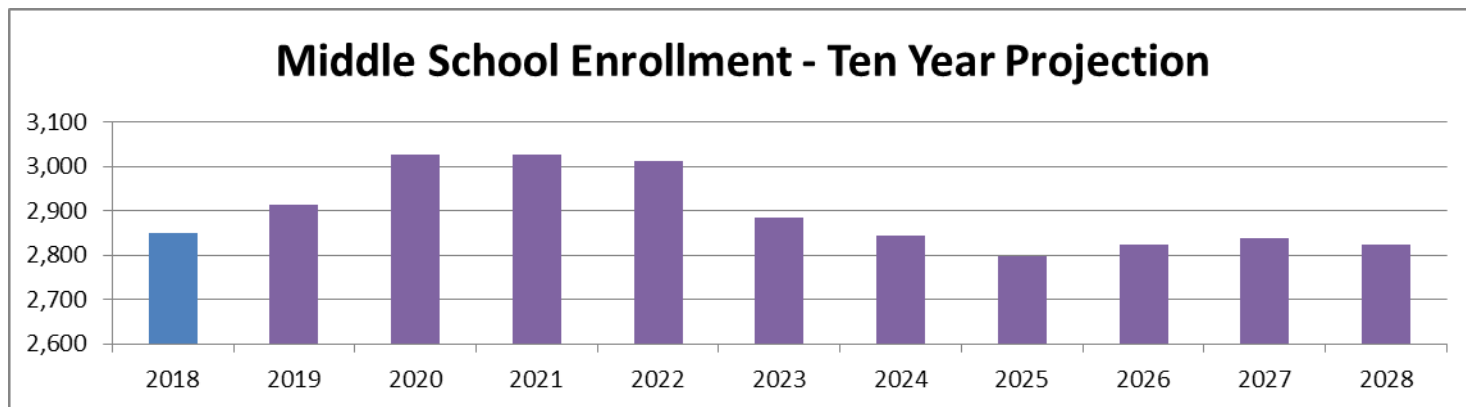
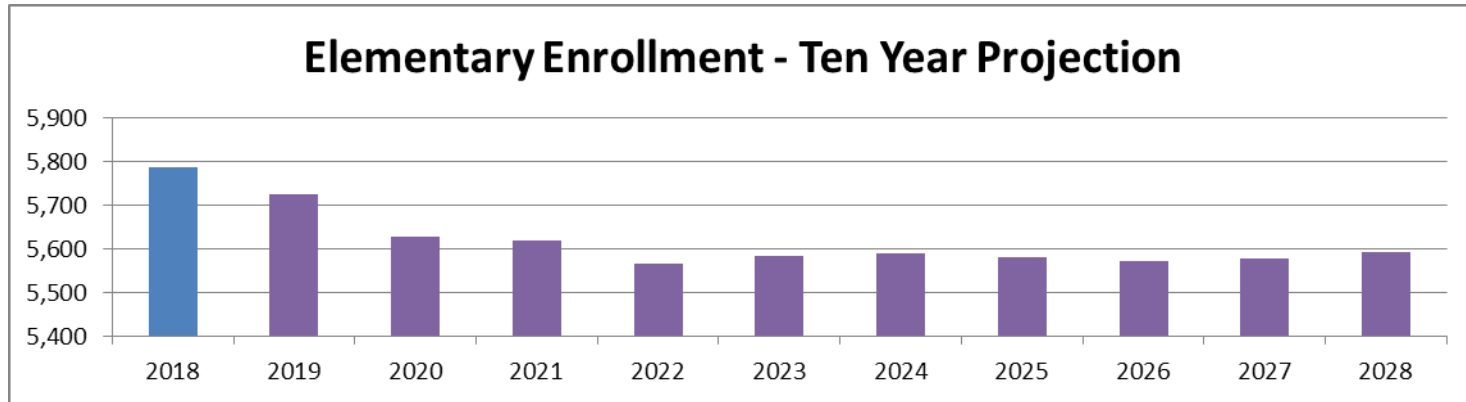
October 2023 - Flat

Increase of 14 students (0.1%)

October 2028 - Decrease

Decrease of 264 students (-2.1%)

Current Ten-Year Change by Grade Level



Elementary Capacity

- 15 elementary classrooms added (including Angier, Zervas, Cabot)
- 12 elementary schools with improving capacity (due to decreases in enrollment projections and/or increases in classrooms)

Secondary Capacity

- Middle Schools all operating at close to capacity for the next 3 years
- Then middle schools return to current levels, except for Oak Hill
- High Schools are enrolled at full capacity until 2025
- Then high schools return to current levels, with more balanced enrollment

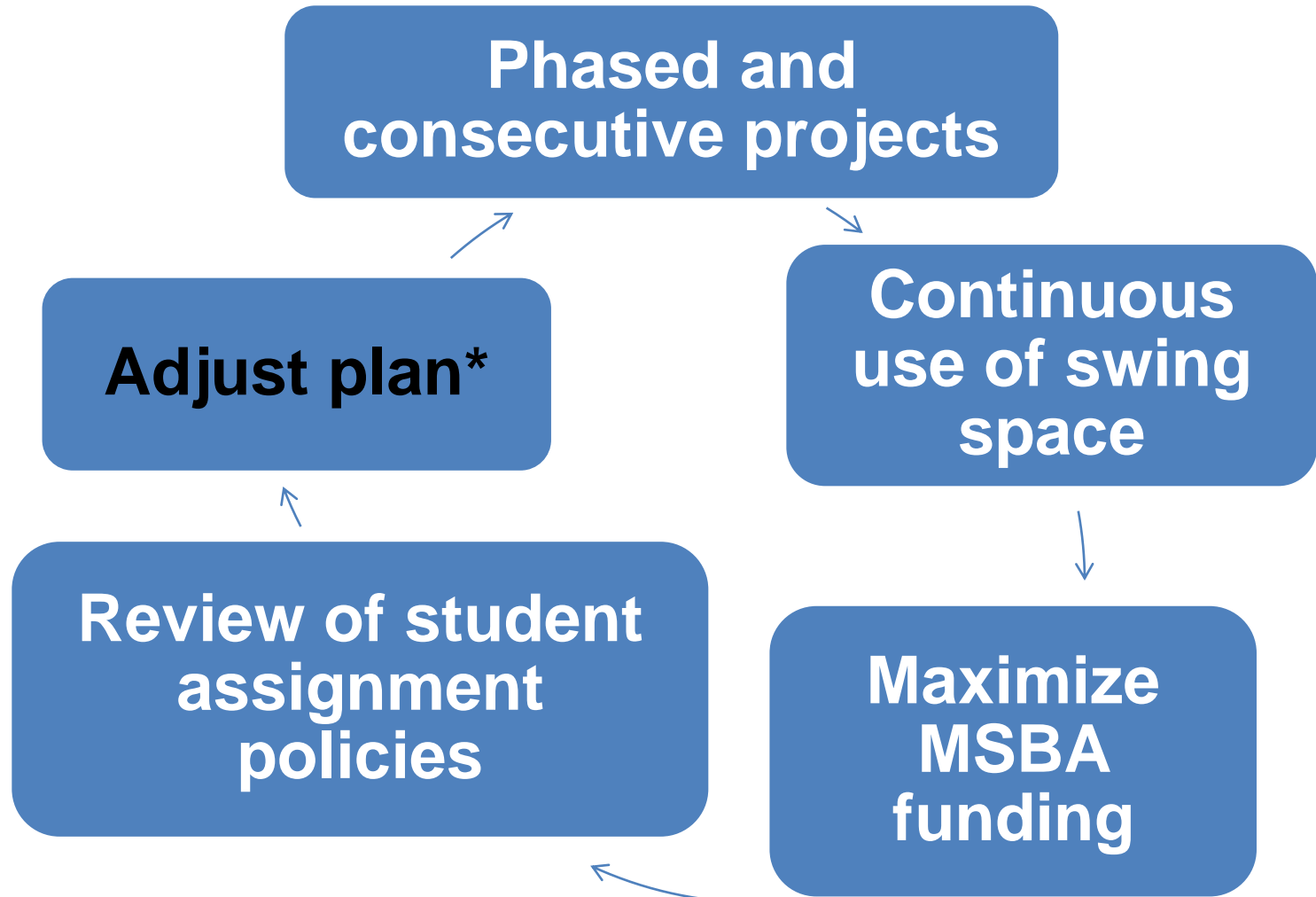
Changing Conditions

- Projected K-5 enrollment decline
- Current K enrollments lower than same time last year (779 compared to 844)
- Residential development activity
- Demographic shift to older population

Sources: NPS enrollment projections, City of Newton Planning Department, McKibben Demographics



Planning Strategies



***Changes in enrollment, housing, buildings or student assignments**

Adjust Plan for Changing Conditions

1. Refine capacity targets for schools
2. Estimate impact from new development and changing demographics
3. Assess sequence and schedule
4. Define resources

Enrolled Capacity Target

- Enrolled capacity above 95% in **elementary schools** can lead to use of non-optimal spaces for instruction or crowding
- Capacity is *more flexible* in **secondary schools***

* More options for scheduling, class size management, space use

Current Elementary Enrollment and Capacity

- **In 2018-19:** 6,226 student capacity (includes modulars)
- **In 2018-19:** 93% capacity

- **In ten years:** 6,556 student capacity after completion of Cabot, Lincoln-Eliot, Countryside, Ward
- **In ten years:** 85% capacity

Current Secondary Enrollment and Capacity

School	2018-19	In Ten Years
Bigelow	95%	92%
Brown	94%	95%
Day	92%	85%
Oak Hill	95%	98%
Newton North	97%	92%
Newton South	87%	90%

Development Impact Scenarios

- Utilize NPS enrollment projections with addition of development in 3 areas
 - Northland
 - Riverside
 - Washington Corridor

Students from Development

- NPS estimates between 0.20 and 0.35 Student Generation Ratios (SGRs) depending upon the bedroom count
- NPS deducts 12% for private school attendance and 5% for out-of-assigned district (to assess impact on districted school)
- Impact on districted school is split 50% elementary and 50% secondary

* Student enrollment in individual schools mitigated by buffer zones

Perspectives on Student Generation Ratios

- **NPS conservatively estimates student generation numbers (based on proposed bedroom counts)**

Third-party	Student Generation Rate
Newton Public Schools	0.22 to 0.33
McKibben Demographic Study	0.01-0.09
Northland Fiscal Impact Report	0.33
Riverside Fiscal Impact Report	0.33
Washington Street Vision Study	0.35

The Following Scenarios Assume:

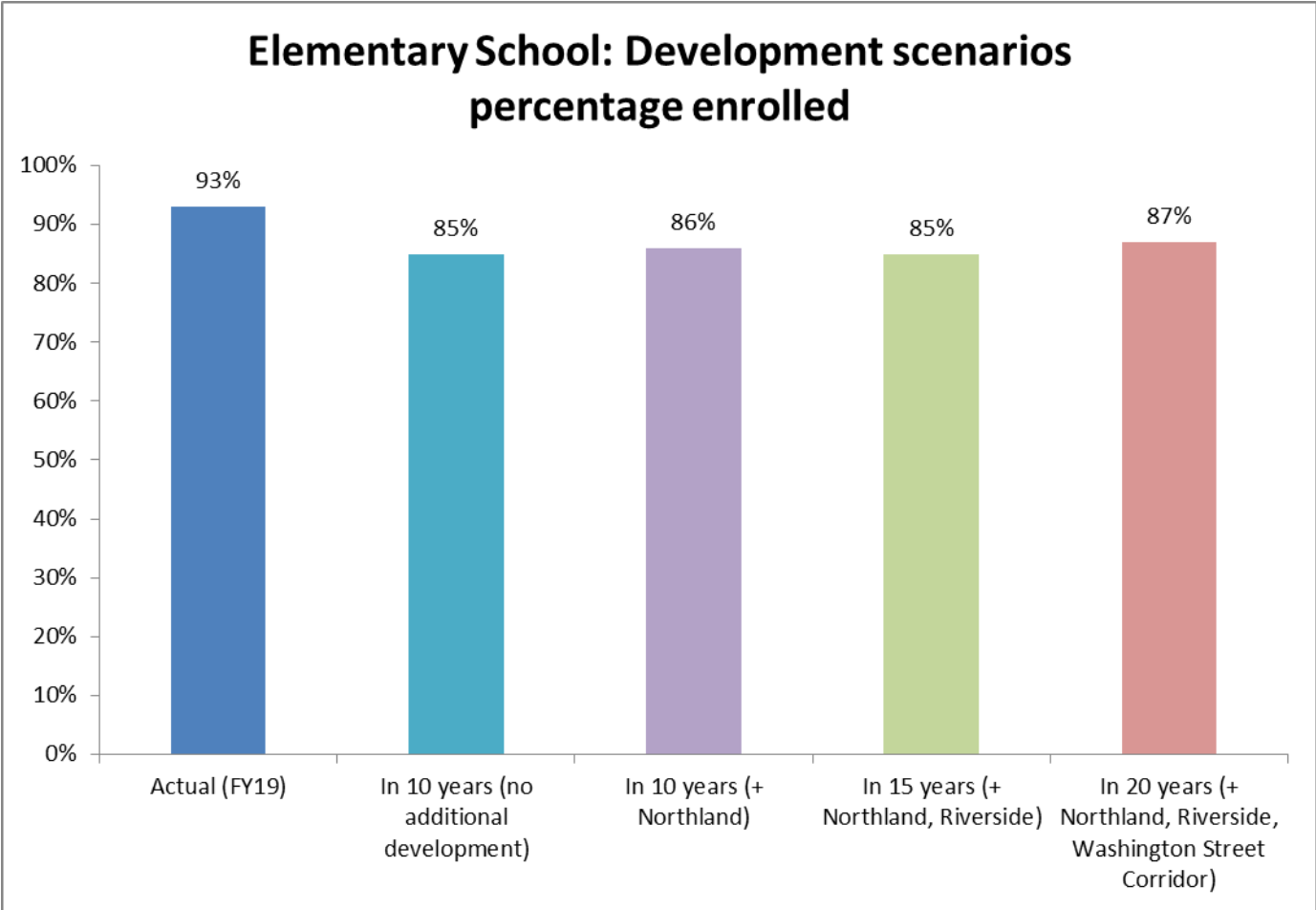
- Added capacity consistent with current long-range plan
- Assumptions for enrollment in 15 & 20 years based on 10 year projections
- No changes to current district lines & steady phase in of enrollment from complexes

Scenario Assumptions

- **Total Units**
 - Northland: 800 units over 10 years
 - Riverside: 675 units over 15 years
 - Washington Street Corridor: 475 units every 5 years (over 20 years)
- **Estimated SGRs based on unit sizes**
 - Northland: 0.22
 - Riverside: 0.22
 - Washington Street Corridor: 0.28

*Washington Street Corridor assumptions are preliminary

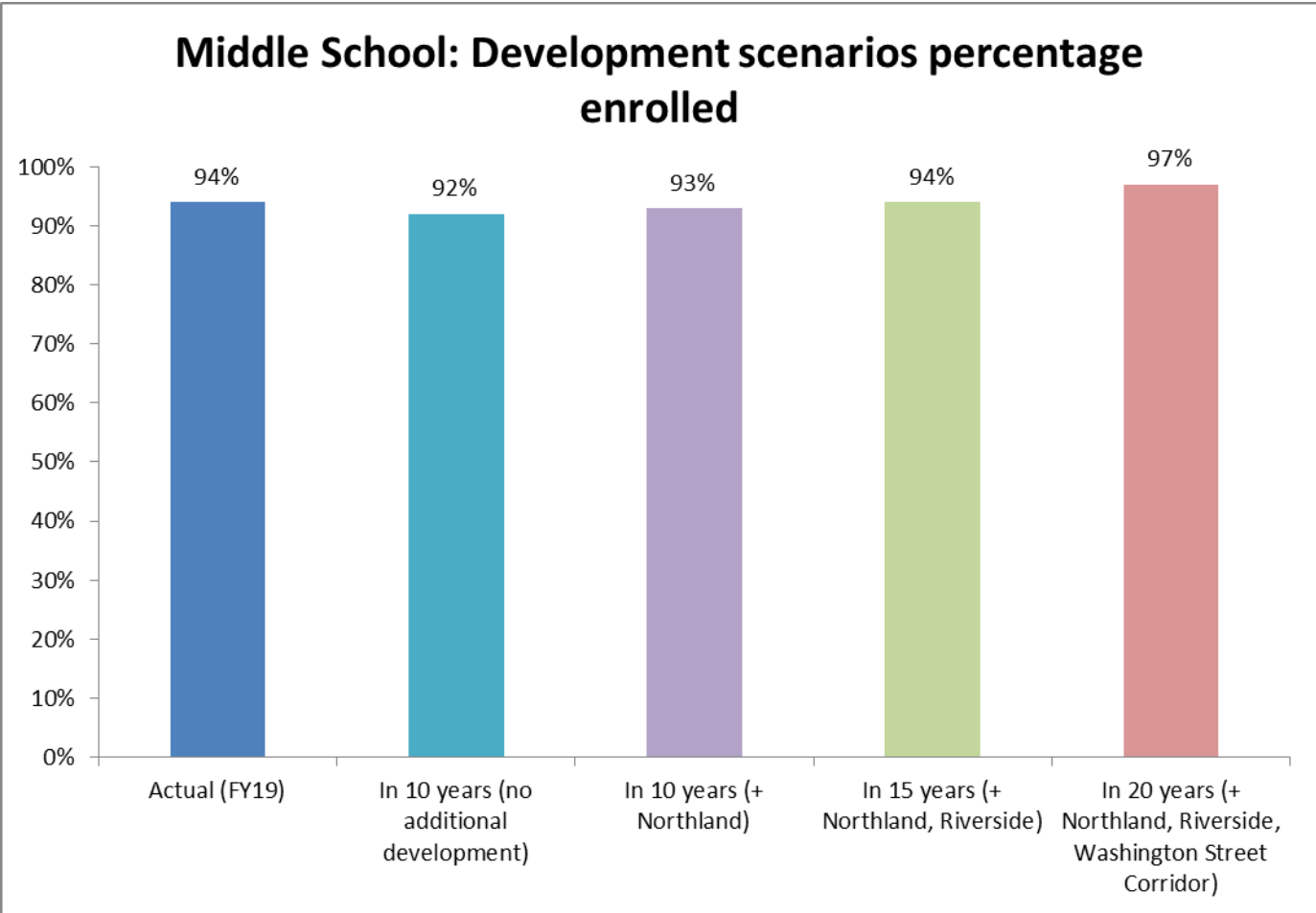
Residential Development Scenarios: Elementary



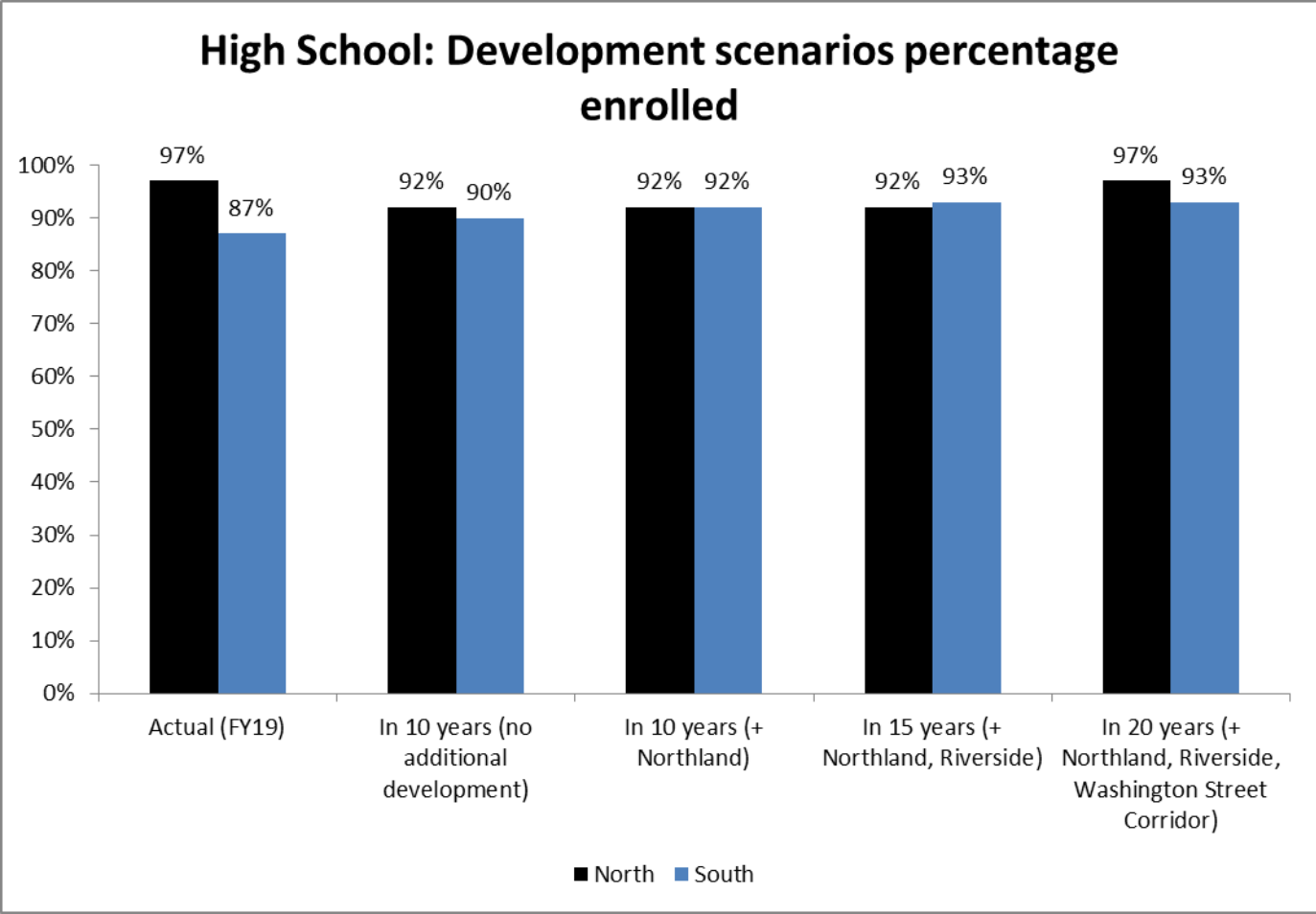
- Assumes added capacity at Cabot, Lincoln-Eliot, Countryside, & Ward (in 10 years); Franklin & Williams (in 15 years)



Residential Development Scenarios: Middle Schools



Residential Development Scenarios: High Schools



Planning ahead

- **Strategies in place to be responsive to enrollment (buffer zones, use of space at secondary schools)**
- **Iterative and responsive planning process**

Questions
