



DC Public Education
Master Facilities Plan 2018

Community Meeting on Preliminary Analysis
October 9, 2018

Meeting Agenda

Introduction	5 min
What We Heard From You What feedback did you give us at the first round of public meetings?	10 min
Analysis of the “Current State” What have we learned from our analysis?	15 min
Future Forecasting What are the future projections of student enrollment?	25 min
Gap Analysis Where are the gaps between supply and future demand?	25 min
Facility Strategies How can we meet future public school facility needs?	20 min
Q&A	15 min
Next Steps	5 min

Goals of the October Meetings

1. **Share analysis and findings to date**
2. **Solicit feedback on findings and potential recommendations**

AECOM will take the feedback into consideration when finalizing the report.

Office of the Deputy Mayor for Education (DME)

What is the DME?

The Office of the Deputy Mayor for Education sets the District's citywide educational priorities.

The DME coordinates, supports and advances policies and programs to prepare every student for college, career and life.

What does the DME do?

- Provides great schools.
- Makes sure students get to school every day.
- Provides opportunities before school, after school and during the summer.

About AECOM

AECOM Imagine it. Delivered.

We are a global network of experts working with clients, communities and colleagues to design, develop and implement innovative solutions to the world's most complex challenges.



Conceptual Framework of the MFP

1



Foundational Elements

Baseline Data

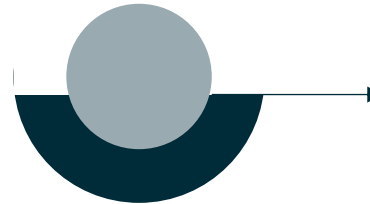
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Present

Current State of Schools

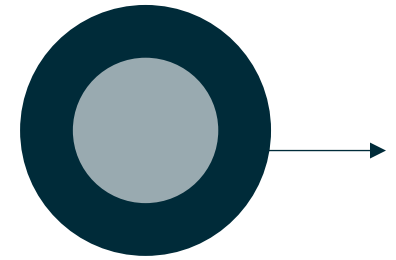
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Future

Where People Will Be

4



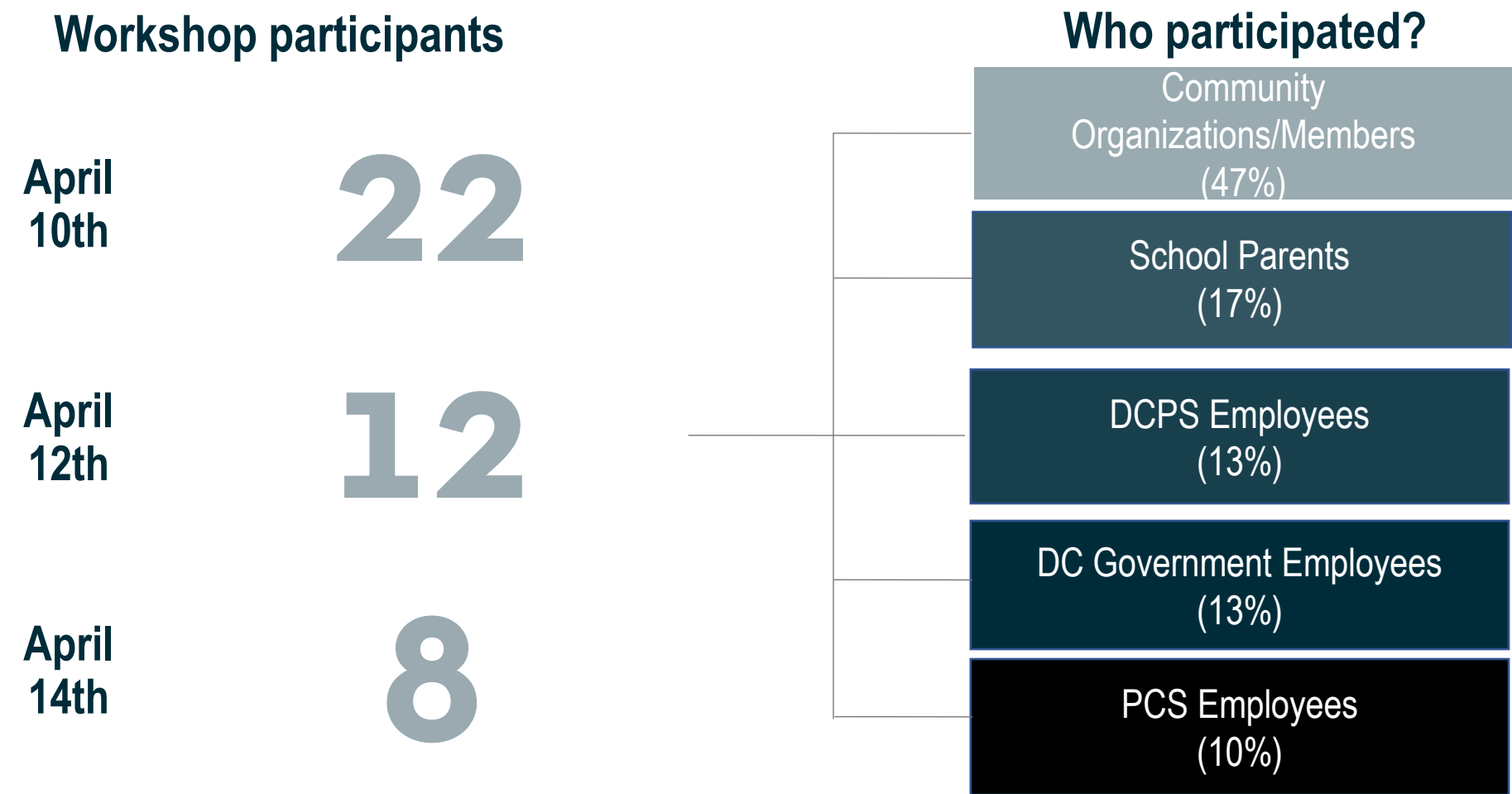
Alignment

What Can We Do?

What We Heard From You

What feedback did you give us in the beginning?

April Public Meetings: Participation Summary



Participant Feedback from the April Meetings

Provide Current Facilities Landscape	Identify Overcrowding and Underutilization	Offer Creative Solutions to Facility Needs	Understand Student Enrollment Patterns	Project DCPS Enrollment into the Future	Describe LEA Growth Plans	Identify Future Gaps in Facility Availability	Additional Questions/ Considerations
Transparency in process	Seek early childhood education opportunities in underutilized facilities	Repurpose vacant facilities and reclaim DCPS inventory	Movement across ward boundaries as a factor in enrollment	Factors that influence enrollment: • School programs • Quality • New development • Housing costs	What is the vision for the future relationship between DCPS and PCS?	Gentrification	How is diversity considered in planning?
Publicly available data		Short-term building use opportunities	Factor in temporary & multi-family housing			Density and proximity of schools in a ward/ neighborhood	Must engage: • Education Councils • ANCs • Community Groups • Organizations that cross communities • Attend community events
Unique amenities like recreation	Match school capacity to location of the population	Offer programs from early childhood to post-secondary	Demographic changes	Survey parents • Why are they sending their child to a particular school?		Incentives to fill the gaps	
Cost and equity of modernizations	Intersection of program capacity with program intent	Explore co-location opportunities	Feeder Patterns			Size and scale of modernizations	Equity in programs and facilities across schools
Location of excess seats		Explore options for rapid access to finance				Equity in program opportunity within each neighborhood/ ward	
School / program deserts		Smarter/more creative use of space				Turn recommendations into action	Transportation and mobility

-- MUST ADDRESS SPECIFIC NEEDS OF WARDS, NEIGHBORHOODS AND COMMUNITIES --

August Community Engagement: Feedback Summary

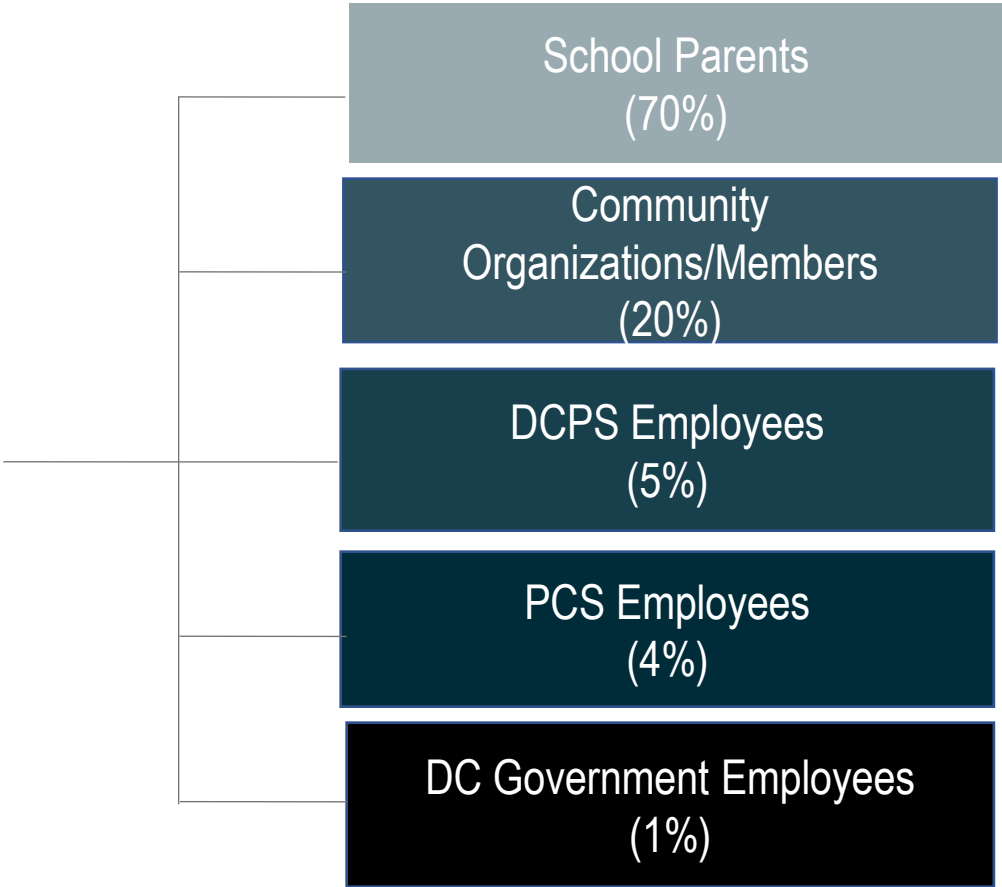
Feedback Session Participants

August 27th 31

August 29th 30

August 30th 18

Who participated?



August Community Engagement: Survey Summary

Survey to Collect Feedback on MFP Goals

of Participants = 510

Survey period: August 21 – September 11, 2018

In-person survey conducted outside recreation centers, libraries, grocery stores, metro stations, apartment complexes, and schools.

Who participated?

Parents of
1 public school child: 24%
2+ public school children: 76%

Parents of
DCPS students: 70%
PCS students: 47%*

All wards - proportional to where public school students live

All PK-12 grade bands – similar to enrollment patterns

**Sum is greater than 100%
due to multiple children per
family.*

Themes and Key Insights of the August Sessions and Survey

Surveyed parents were most interested in learning:

- Where specialized programs are located in the District
- Condition of our public school facilities
- How DCPS schools are identified for modernization

Participants in **feedback sessions** emphasized:

- Needing more options for specialized programs in all areas of the District
- Finding creative solutions for underutilized and overcrowded schools
- Understanding more about co-location and how it is done now for both sectors
- Understanding the process for upcoming DCPS modernizations
- The importance of technology, facility maintenance, transportation and safety across all wards

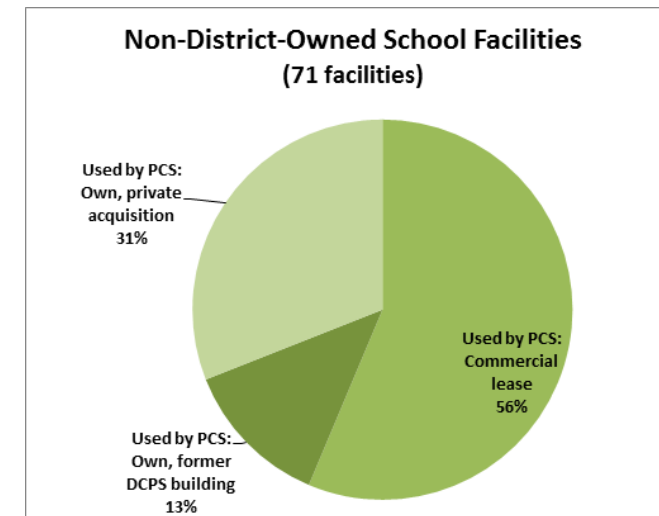
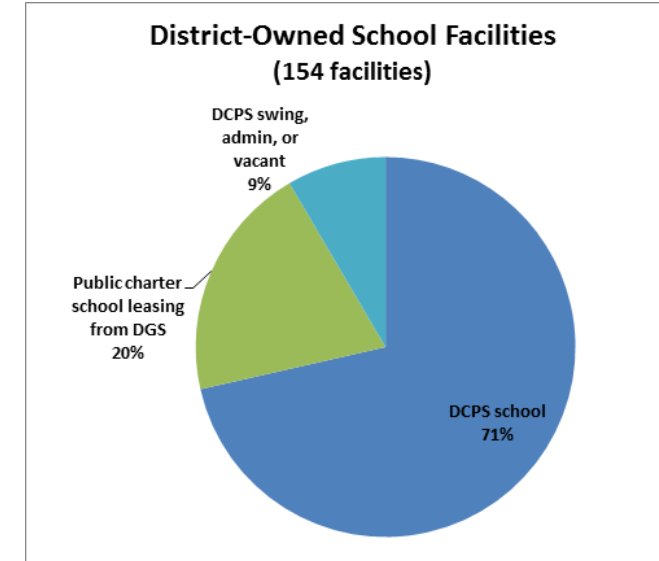
Analysis of the Current State

What have we learned from our analysis?

School Facility Ownership Status, SY2017-18

Approximately two-thirds of all public schools are in District-owned facilities and one-third are in non-District space.

Type	Qty
District-Owned School Facilities	154
DCPS school	110
DCPS swing, admin, or vacant (in DCPS inventory)	13
Public charter school leasing from DGS	31
Non District-Owned School Facilities	71
Leased by PCS: Commercial lease	40
Owned by PCS: Own, former DCPS facility	9
Owned by PCS: Own, private acquisition	22

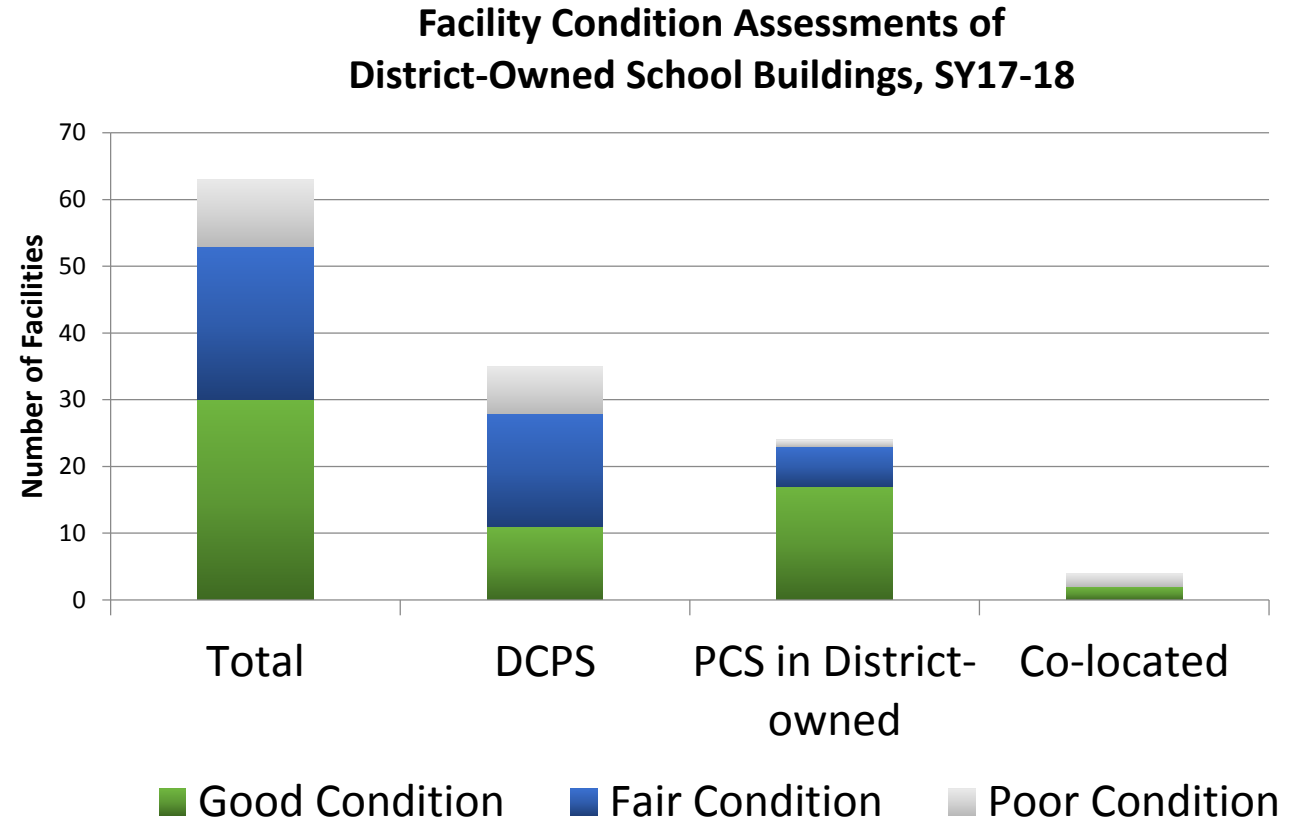


School Facilities: Modernization Effort

- 78% of DCPS facilities have been modernized since 2008
- The District has adopted a robust, systematic facility assessment program
 - Facility Condition Assessments have been prepared for 91 school facilities in District-owned space (includes DCPS and public charters leasing from DGS).
 - 65 FCAs were prepared in time for the MFP analysis
 - All DCPS school facilities will be assessed during 2017-2020 period
 - Regular assessments of DCPS facilities is planned after 2020
- Additional facility condition assessments were conducted for public charters in non-District facilities (private facilities)

FCA Analysis by Sector, SY2017-18

Based on recent Facility Condition Assessments, the District-owned building stock is in good condition: 48 of 65 facilities were rated “Good” or “Fair.”



Capacity and Utilization, SY2017-18

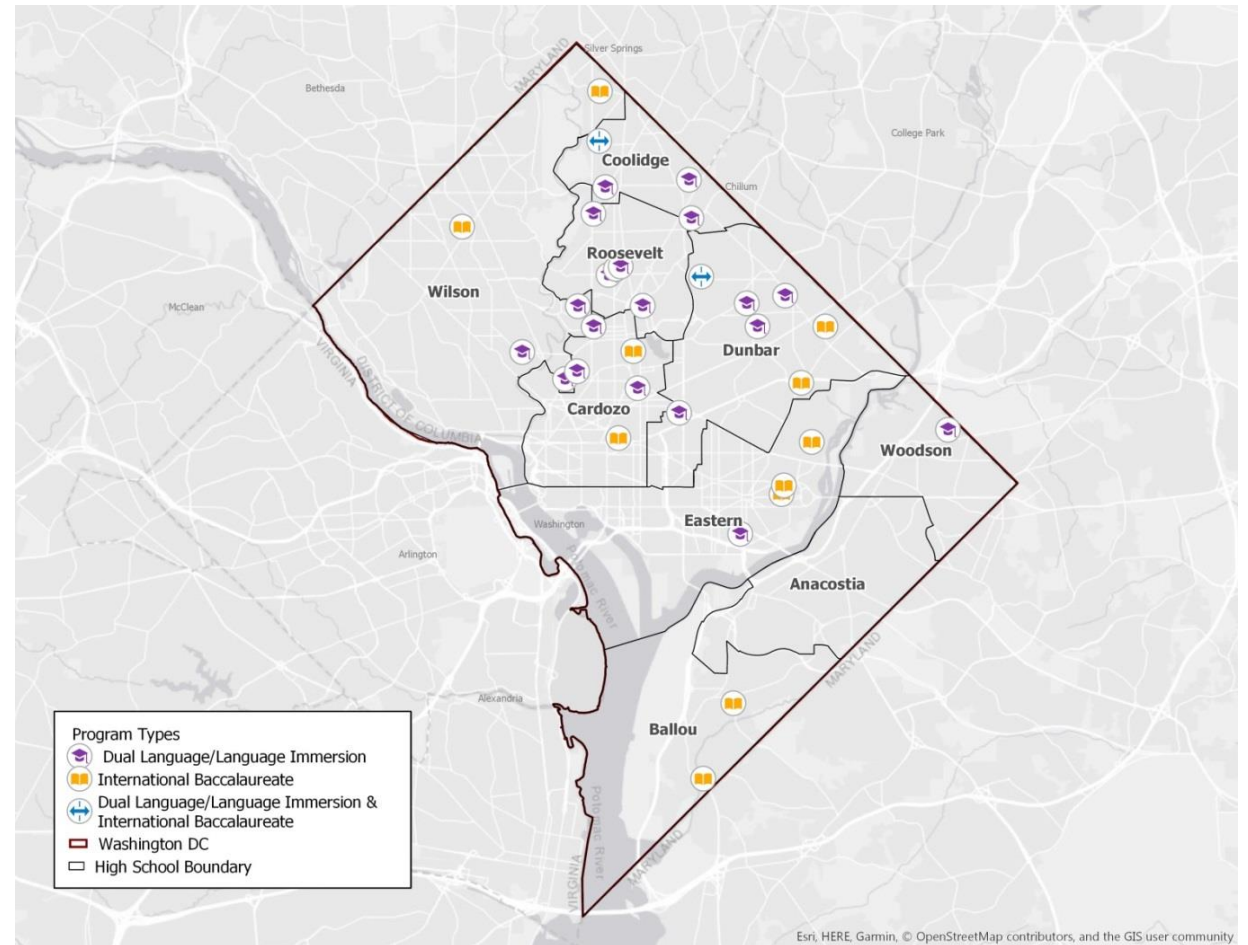
- Overall utilization is about 80% (75% for DCPS and 85% for PCS)
- 19 DCPS facilities and 32 PCS facilities are >95% utilized
 - >95%-utilized DCPS schools are in every ward but Ward 5. Many of the Ward 3 DCPS facilities are >95% utilized
- 28 DCPS facilities and 11 PCS facilities are <65% utilized
 - <65%-utilized DCPS facilities are in every ward except Ward 3
- PCS Middle Schools have the highest charter utilization and PCS High Schools have the lowest charter utilization
- Among DCPS schools, Elementary Schools have the highest utilization and Middle Schools have the lowest utilization

Program Distribution, SY2017-18

Dual Language/Language Immersion programs are the most prevalent specialized programs in the District, followed by:

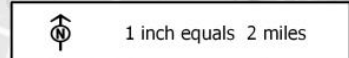
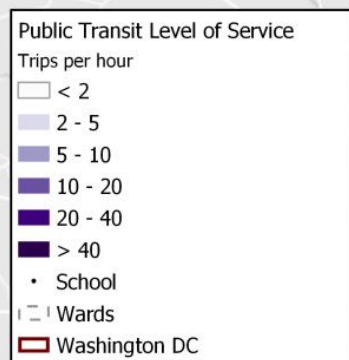
- Career & Technical Ed
- Dual College Enrollment
- International Baccalaureate (IB)

The map shows the locations of Dual Language/Language Immersion facilities and IB facilities.



Public Transit Level of Service

The level of service varies across the District, with schools in some neighborhoods served by many more *stops per hour* within a half-mile walking distance.



Future Forecasting

What are the future projections of student enrollment?

School Enrollment: District-wide Trends

- Total enrollment in public schools has been growing since 2008
- 46% of the District's approximately 90,000 public school students were enrolled in public charter schools in SY2017-18 (up from 36% in SY2008-09)
- Half of DCPS students are enrolled in schools other than their local in-boundary schools

School Enrollment: District-wide Trends (continued)

- Child population has been growing over the past 10 years and is estimated to continue to grow through 2027
- Similarly, the MFP estimates that total public school enrollment based solely on population, historic enrollment trends, and market share may grow to approximately 108,000 public school students 10 years from now

DCPS Enrollment Projections and Growth Plans

AECOM School-Based Projections

- DCPS projections are prepared at the school level
- Projections for **current schools** are based on DC Office of Planning forecasts and recent in-boundary/out-of-boundary capture rates
- Take into account education campuses shifting to elementary schools
- Estimated to reach 57,000 DCPS students within 10 years, from 48,000

DCPS Programmatic Growth

- Additional growth programmed by DCPS and not included in school-level projections, e.g., expansion of Pre-K and new schools
- This results in approximately 4,000 more students

PCS Enrollment Projections and Growth Plans

AECOM Projections

- PCS projections are prepared at the sector level
- Constant PCS sector share (46%) was applied to DC Office of Planning population forecasts
- Estimated to reach 52,000 PCS students in 10 years
- PCS estimates will not exceed their enrollment ceilings over the next 10 years

Growth Plans of Public Charter LEAs

- Public charter school growth plans specify anticipated growth in existing or new facilities in 5 and 10 years
- Growth plans include enrollment status quo for existing schools plus aspirational growth: estimated to reach 61,000 PCS students in 10 years
- Sources of additional growth:
 - 32% of growth comes from filling out grades in existing schools (no new facility req'd)
 - 23% of growth comes from attracting more students to existing or new facilities
 - 44% of growth comes from LEA expansion in new facilities (requires a new facility)

New LEAs?

Gap Analysis

What are the gaps between supply and future demand?

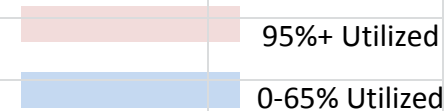
Gap Analysis for All Public Schools

- While the system is at 80% utilization for all public schools in aggregate in SY2017-18 with approximately 22,000 unfilled seats, DC population is growing and our public school population is also estimated to grow
- Taking a historic approach, taking only recent enrollment patterns and market share into account (without growth plans), then there is still sufficient facility capacity in aggregate within the educational sector
- Taking into account growth plans for both sectors, there may be an overall shortage of seats by SY2027-28
- In the context of total population growth, the total projected number of students enrolled in both sectors exceeds the 3-17 age population by 2027 (end of the planning period)

DCPS Gap Analysis by Ward and Grade Band

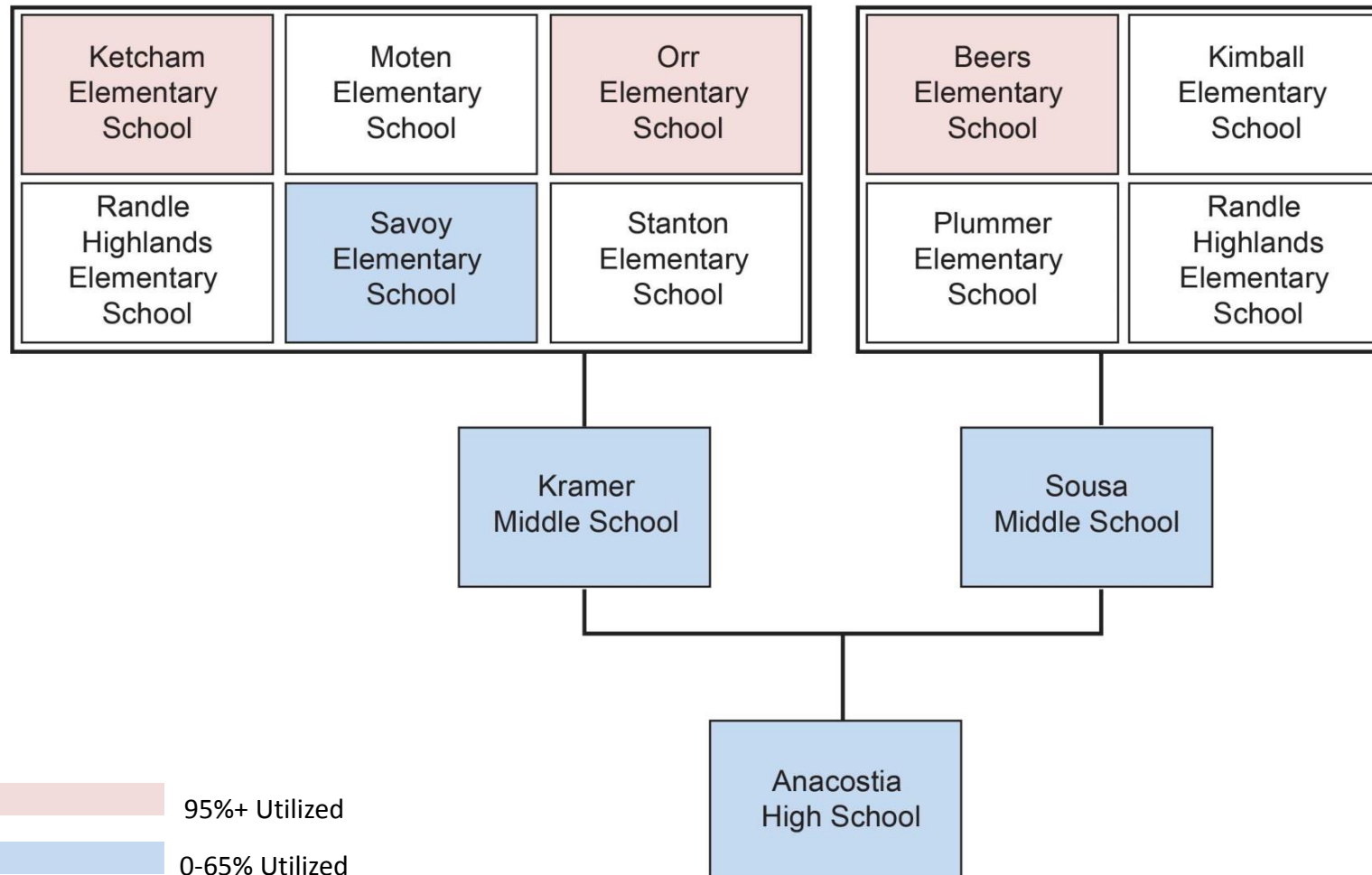
- Relying on the school-based methodology, DCPS schools in Wards 2, 3, and 6 are projected to be greater than 95% utilized 5 and 10 years from now
- On average, DCPS elementary schools are estimated to be full, while DCPS middle schools are projected to be <65% utilized 5 and 10 years from now

By Ward				By Grade Band			
Ward	Utilization 2017-2018 (%)	Utilization 2022-2023 (%)	Utilization 2027-2028 (%)	Grade Band	Utilization 2017-2018 (%)	Utilization 2022-2023 (%)	Utilization 2027-2028 (%)
Ward 1	81	80	90	Elementary	82	91	102
Ward 2	91	96	109	Middle	54	53	63
Ward 3	95	106	120	High	68	62	71
Ward 4	82	77	86	Education Campus	80	77	86
Ward 5	55	60	68	Multi School	65	70	83
Ward 6	81	87	100	Total	77	81	91
Ward 7	69	75	84				
Ward 8	72	76	84				
Total	77	81	91				



DCPS Gap Analysis Feeder Patterns Example

Anacostia High School - Current Feeder Pattern



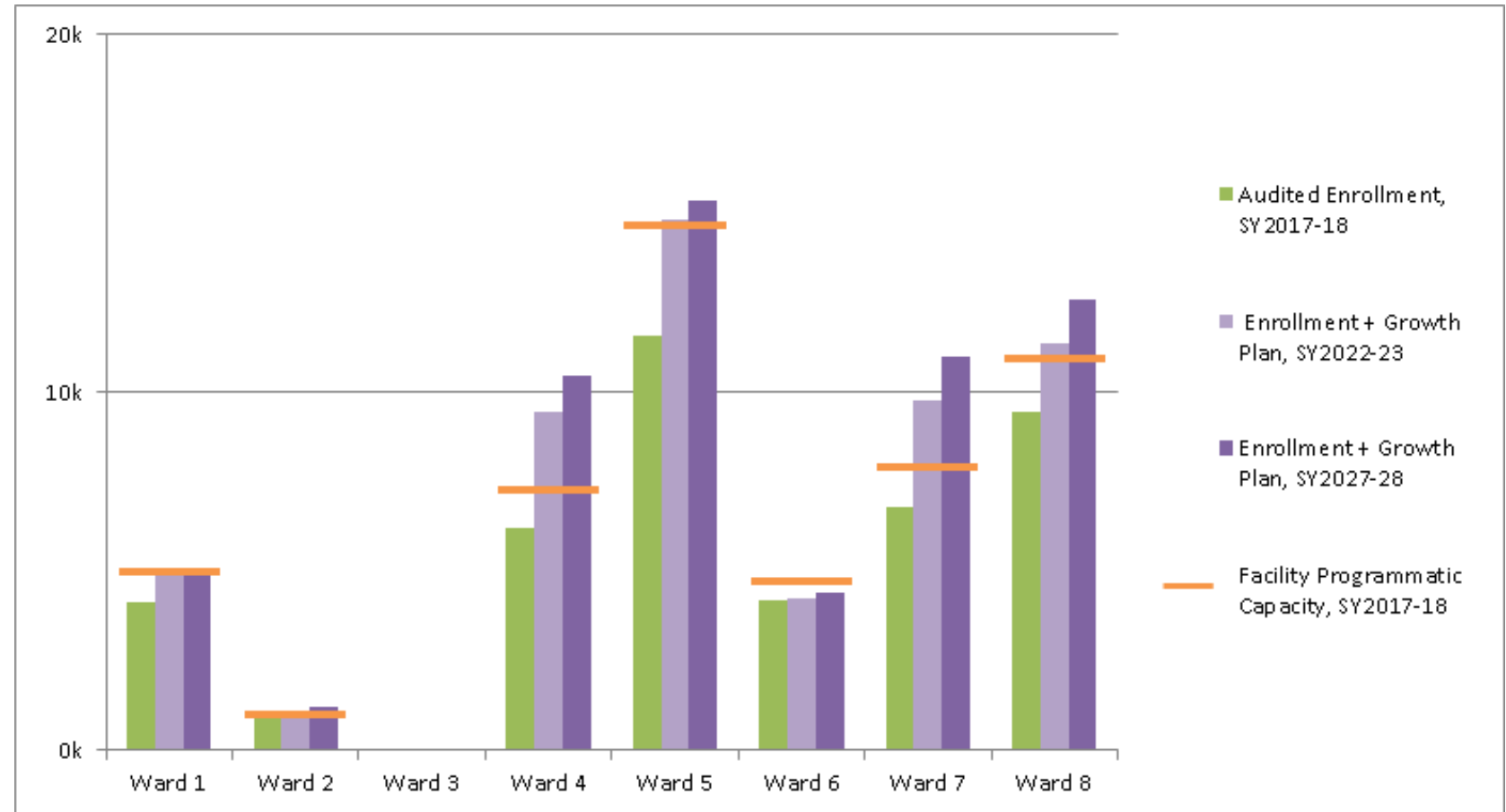
Gap Analysis for Public Charter Schools

- Based on the current market share and population projection, the charter sector in aggregate will have sufficient capacity in 5 and 10 years to accommodate projected enrollment (although the gap will be small in 10 years)
- Using the growth plans, enrollment in all public charter schools in SY2027-28 is projected to exceed current capacity and estimated student age population

Gap Analysis for Public Charter Schools by Ward

- The capacity deficits are concentrated in Wards 4, 7 and 8.
- High schools have the smallest deficit compared to other grade bands (not shown).

Public Charters: Comparing Anticipated Enrollment From Growth Plans Against Current Capacity



Facility Strategies

How can we meet future public school facility needs?

Underlying Principles for MFP Recommendations

Utilize current
educational
space in the
best ways
possible

Retain
educational
space for
educational
purposes

Grow
access
to space for
educational purposes

Review
enrollment policies
to manage
utilization

Streamline
planning
processes, data
collection and
knowledge
sharing

Question & Answer

Next Steps

Next Steps

- Posting of all meeting materials from October meetings on the DME Website: <http://dme.dc.gov/MFP2018>
- AECOM will compile feedback from community and LEA sessions and incorporate into final report
- Final report by the end of the 2018

Contact Information

For all information go to:

<http://dme.dc.gov/MFP2018>

Questions? Email at

MFP.2018@dc.gov

Thank you!