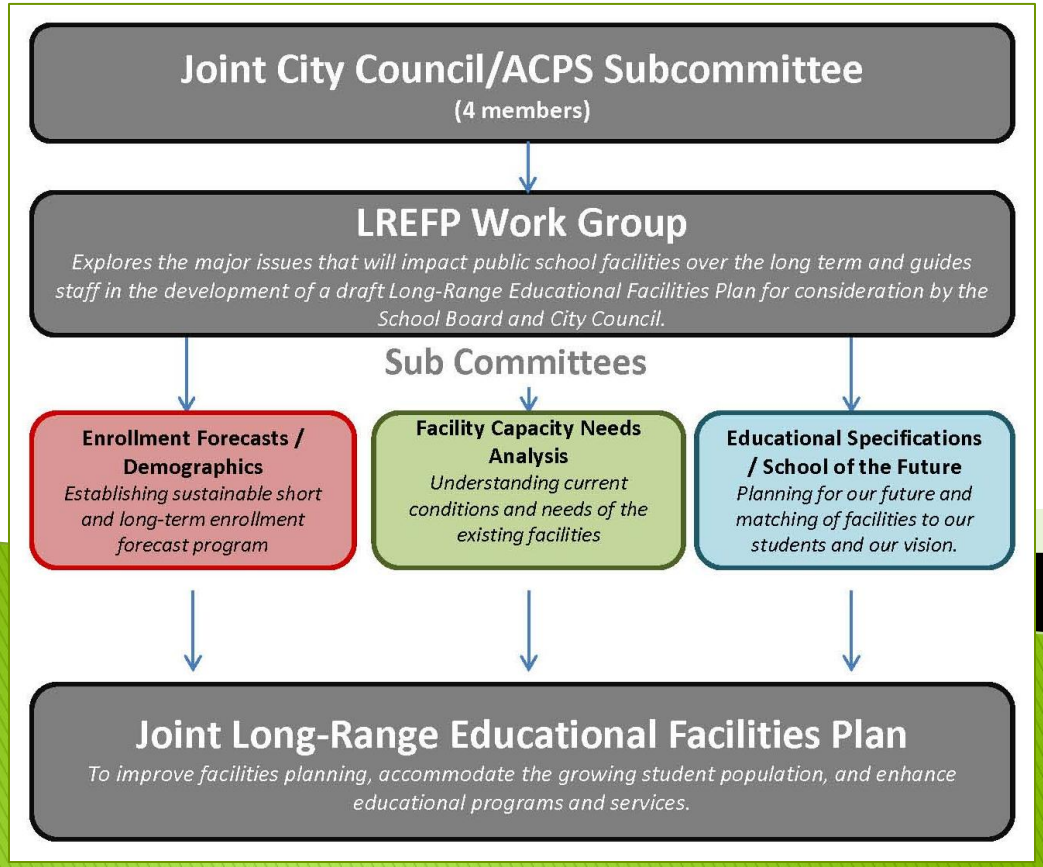
Facility Capacity Needs Analysis Subcommittee

ACPS & City of Alexandria

September 17, 2014



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CITY OF ALEXANDRIA VIRGINIA

Agenda

- Review Work Program
- Progress by A/E Teams
  - Review Scope of Work for Exterior Site Inventory
  - Review Scope of Educational Adequacy Assessments (EAs)
- Overall Project Timeline
- Next Steps

- Goals for this meetings
  - Provide feedback on project approach

Review Work Program

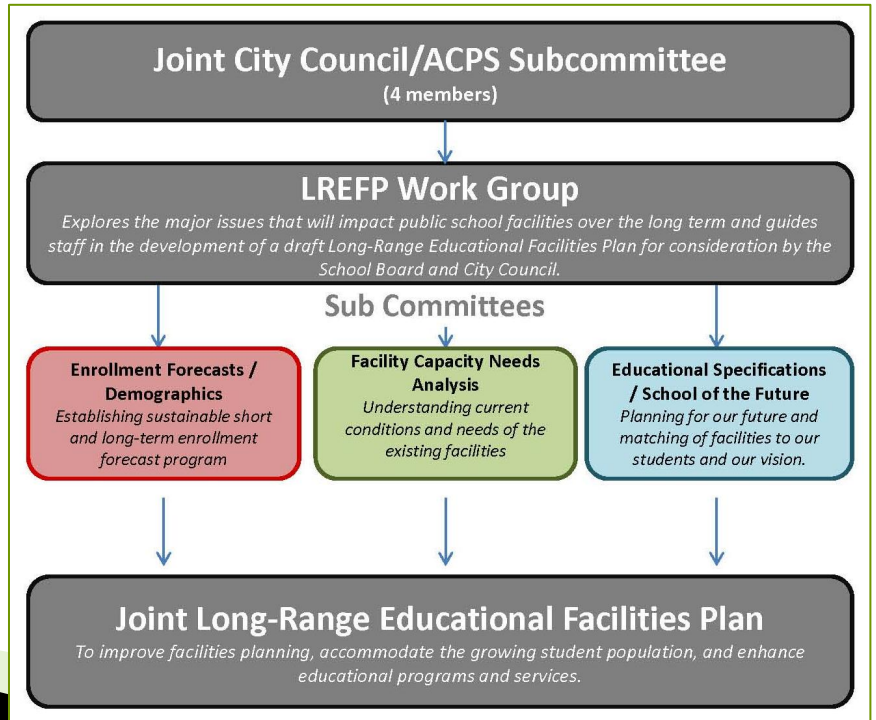
- Facility Capacity Work Program Goals
  - Assess existing conditions
  - Review capacity analysis methodology
  - Review how existing capacity is allocated to meet demand
  - Establish guidelines for adding capacity, supporting education
  - Identify potential school site types

Review Work Program

- Work Program Approach
  - Develop a school facility and site inventory
  - Develop a capacity and utilization assessment for each school site
  - Identify space needs by type of use
  - Review findings of Enrollment Subcommittee and Educational Specifications Subcommittee
  - Reallocate existing capacity to meet current demand
  - Develop guidelines for adding capacity
  - Review potential future school sites

Review Work Program

- Next Steps
  - Assess existing conditions of school sites
  - Educational Adequacy Assessment
  - Preparation of future master plans



Status on School Facility Inventory– Building Interiors

- Building Interiors
  - Site Visits 100% Complete
    - Charles Barrett, Cora Kelly, Douglas MacArthur, George Mason, George Washington, Francis Hammond, James Polk, John Adams, Lyles Crouch, Matthew Maury, T.C. Minnie Howard, Mt. Vernon, William Ramsay, Samuel Tucker, T.C. Williams King Street
  - Sites not included in the scope
    - Jefferson-Houston
    - Patrick Henry

Status on School Facility Inventory- Building Interiors

- Elementary* "Working Numbers"

Region	Avg Age (Years)	# FSR	Avg Media Center SF	Avg Dining & Food Service SF	Avg Gym SF	*% homeroom meeting standard SF*	*% encore rooms meeting standard SF*	*% core space meeting standard SF*
Central	71	82	2,950	3,689	4,175	43%	22%	50%
East	73	130	2,437	3,508	6,434	35%	8%	44%
West	42	182	2,732	3,926	5,361	81%	50%	50%
Total	61	394	2,684	3,709	5,428	51%	22%	46%

**without Jefferson-Houston and Patrick Henry*

East- C. Kelly, L. Crouch, M. Maury, Mt Vernon, *Jefferson-Houston*

Central- C. Barrett, D. MacArthur, G. Mason

West- J.K. Polk, J. Adams, S. Tucker, W. Ramsay, *P. Henry*

Status on School Facility Inventory– Building Interiors

- Secondary "Working Numbers"

	Average Age (Years)	# FSR	Average Media Center SF	Average Dining & Food Service SF	Average Gymnasium SF
Middle	69	TBD	4,518	6,648	12,425
High	34		5,138	11,131	15,943
Second. Total	51		4,828	8,890	14,184
Elem. Total	30	394	2,684	3,709	5,428

Status on School Facility Inventory– Exterior Site Inventory

- Scope of Work
- General site description, including:
  - Describe property ownership and boundaries
  - Usable acreage of open space and recreation features
  - General size and condition of playgrounds
  - Document any natural resources/areas present
  - General site accessibility/traffic issues
  - Adequacy of site utilities to accommodate new construction
- Products
  - Report for each school site
  - Electronic site plans

Status on School Facility Inventory- Exterior Site Inventory

- Schedule
- Pilot School- George Mason
- Group 1
  - Mt. Vernon, Matthew Maury, George Washington, Douglas MacArthur, Charles Barrett
- Group 2
  - Minnie Howard, Cora Kelly, Francis C. Hammond, Lyles-Crouch
- Group 3
  - William Ramsay, James K. Polk, John Adams, Samuel Tucker, T.C. King Street Campus
- Sites Not Included
  - Jefferson-Houston, Patrick Henry

Educational Specification Summary

- Overview
  - What's included?
    - Summary of Planning Concepts
    - Facility Space Requirements
    - Program Area Detail
- Building Concepts
  - Teach whenever and wherever
  - Collaborative and adaptable learning spaces
  - Seamless integration of technology
- Community Context
  - Student and family focused
  - Schools are neighborhood assets
  - Provide space for after school programming

Educational Specification Summary

- Organizational and Operational Paradigm
  - Small learning communities
  - Increase student collaboration
  - Learn with your peers- push-in approach
- Architectural and Construction Quality
  - Architectural Quality Prioritized
  - Emphasize impact on learning environment
  - Sustainable facilities
  - Respectful to the neighborhood context

Educational Specification Summary

- Capacity
  - Desirable class size
  - Buildings sized to support enrollment
  - Number of rooms based on staffing formulas
- Building Organization
  - Academic Cluster Concepts
  - Decentralized administration (middle school)
  - Break out and itinerant spaces for collaboration
  - Separation of community use spaces
  - Enhanced security and visibility

Elementary School Building Organization

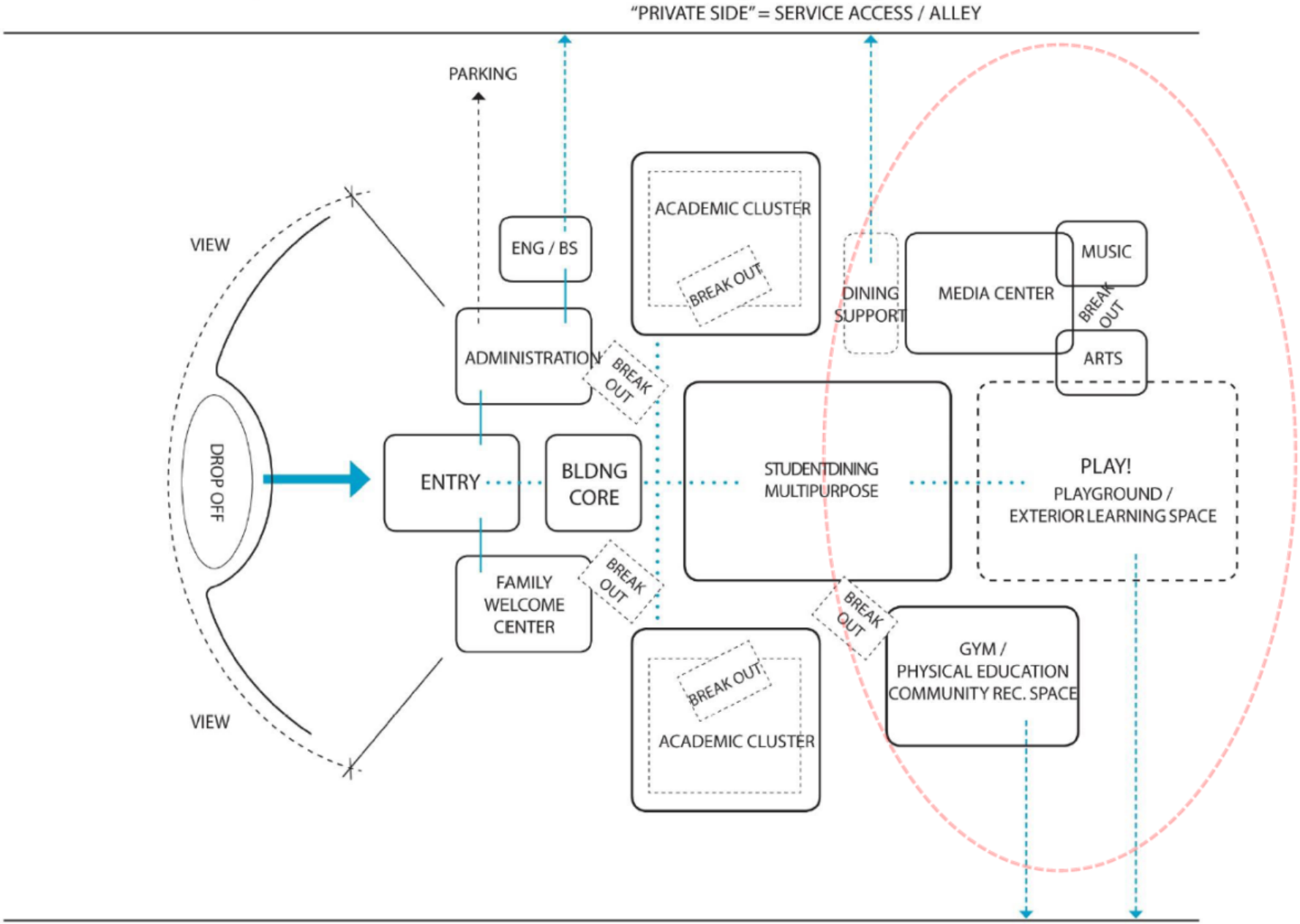


FIG. 5.0 /// ADJACENCY DIAGRAM

Educational Adequacy Assessments (EAs)

- Goal of EAs
  - Assess the ability of existing facilities to support the educational program
- 3 Major Areas
  - School Site
  - Overall Building Assessment
  - Instructional and Support Spaces
- Utilization

Educational Adequacy Assessments (EAs)

- Evaluation Process
  - Compile and review relevant data
    - Floor plans
    - Interior survey information (SF, acoustics, lighting)
    - Other?
  - Field Visit
    - Field verify and collect additional information
    - Survey building users
  - Summarize
  - Utilization Calculation
  - Prepare report

Educational Adequacy Assessments (EAs)

- Evaluation Factors (see handout)
  - School Site
    - Site Circulation
    - Play Areas/Fields
  - Building Assessment
    - Building Organization
    - Technology and Supporting Infrastructure
    - Safety, Security and Accessibility
  - Individual Spaces
    - Size Requirements
    - Internal Organization and Ancillary Spaces
    - Loose Furnishings
    - Fixed Furnishings
    - Lighting Quality
    - Acoustics
    - Air Quality

Status on Educational Adequacy Assessments (EAs)

- Schedule
- Pilot School
- Group 1
  - Mt. Vernon, Matthew Maury, George Mason, George Washington
- Group 2
  - Douglas MacArthur, Charles Barrett, Cora Kelly, Francis C. Hammond
- Group 3
  - Lyles-Crouch, William Ramsay, James K. Polk, John Adams, Samuel Tucker
- Sites Not Included
  - Jefferson-Houston, Patrick Henry, Minnie Howard, T.C. King Street

Discussion/Next Steps