Advantages and Disadvantages of Large/Small Elementary Schools

- Research Shows Mixed Results
Core Facilities - ES

- Core Space Comparison at Highest Projected Enrollment (HPE)
- PE Space
- Assembly Space / Stage
- Cafeteria
- Kitchen and Serving Area
- Large Instructional Space
- Library
- Art and Music
## Areas of Concern at HPE

<table>
<thead>
<tr>
<th>School</th>
<th>Areas of Concern</th>
</tr>
</thead>
<tbody>
<tr>
<td>BH</td>
<td>Music</td>
</tr>
<tr>
<td>CN</td>
<td>LGI, Music</td>
</tr>
<tr>
<td>GL</td>
<td>PE Space, Caf. /Serving Area, Library, Art, Music</td>
</tr>
<tr>
<td>MR</td>
<td>Serving Area, Art and Music</td>
</tr>
<tr>
<td>PV</td>
<td>PE Space, Serving Area, Library, Art and Music</td>
</tr>
<tr>
<td>PW</td>
<td>PE Space, Assy. Space, Serving Area, LGI, Library, Art, Music</td>
</tr>
</tbody>
</table>

HPE = Highest Projected Enrollment
# Core Facilities - ES

## Comparison of Sites

<table>
<thead>
<tr>
<th>School (HPE)</th>
<th>Total Site (acre per student)</th>
<th>Soft Surface Playground (SF per student)</th>
<th>Hard Surface Playground (SF per student)</th>
<th>Green Space Playground (SF) / SF per student</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BH (541)</td>
<td>0.0144</td>
<td>14.3</td>
<td>17.4</td>
<td>107</td>
<td>Large wooded area outside playground</td>
</tr>
<tr>
<td>CN (599)</td>
<td>0.0060</td>
<td>9.7</td>
<td>11.9</td>
<td>32</td>
<td>Share Green Space Playground with BC</td>
</tr>
<tr>
<td>GL (793)</td>
<td>0.0180</td>
<td>11.4</td>
<td>6.8</td>
<td>117</td>
<td>Site has regulation sized soccer field</td>
</tr>
<tr>
<td>MR (616)</td>
<td>0.0141</td>
<td>12.2</td>
<td>16.2</td>
<td>187</td>
<td></td>
</tr>
<tr>
<td>PV (723)</td>
<td>0.0230</td>
<td>22.0</td>
<td>5.6</td>
<td>187</td>
<td>Site has regulation sized softball field</td>
</tr>
<tr>
<td>PW (823)</td>
<td>0.0094</td>
<td>8.8</td>
<td>21.6</td>
<td>80</td>
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</tr>
</tbody>
</table>

HPE = Highest Projected Enrollment
Do Cost Estimates Account for Core Space Needs?

- Plans for Penn Wynne Include Increased PE Space and Potential Increased Space for Art and Music
- Plans for Gladwyne Included an Increase in Library and Cafeteria Space. (Cafeteria Space Requirement May Actually be Serving Area Space.)
- Other Plans and Cost Estimates did NOT Include Core Space Increases
Enrollment is finite at about 550
May still require some building?
Cascading redistricting
Costs 40 million +
Might solve BCMS problem, but may cause additional problems for WVMS
Less hoping/more control
New Elementary School

Number of Students in Ardmore

PW Attendance Area - 79

PV Attendance Area - 249
- Will We Still Have to Build at Some ES?
- Effect on Feeder Pattern at Middle School
  - Requires looking into the future using projections
  - Four of six ES have projected peak in 2019-20
## New Elementary School

### Elementary School Enrollment Projections - Changes from 2015-16

<table>
<thead>
<tr>
<th>Year</th>
<th>Enrollment</th>
<th>Difference from 2015-16</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015-16</td>
<td>3,830</td>
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</tr>
<tr>
<td>2016-17</td>
<td>3,917</td>
<td>87</td>
</tr>
<tr>
<td>2017-18</td>
<td>3,980</td>
<td>150</td>
</tr>
<tr>
<td>2018-19</td>
<td>4,002</td>
<td>172</td>
</tr>
<tr>
<td>2019-20</td>
<td>4,043</td>
<td>213</td>
</tr>
<tr>
<td>2020-21</td>
<td>4,019</td>
<td>189</td>
</tr>
<tr>
<td>2021-22</td>
<td>3,990</td>
<td>160</td>
</tr>
<tr>
<td>2022-23</td>
<td>3,961</td>
<td>131</td>
</tr>
<tr>
<td>2023-24</td>
<td>3,977</td>
<td>147</td>
</tr>
<tr>
<td>2024-25</td>
<td>4,006</td>
<td>176</td>
</tr>
</tbody>
</table>

These values are all less than 550 – the capacity of a new elementary school.
New Elementary School

- Will we still have to build at some ES?

Answer: No, not if redistricting is done in a manner to sufficiently reduce enrollment at each school.
New Elementary School

- Effect on Feeder Pattern at Middle School
  - Redistricting Needs to Take Feeder Pattern Into Account
  - May Require More Space at Welsh Valley
Comparison of Core Space Capacity

- Refer to Handout – *Core Space Comparison at Highest Projected Enrollment (HPE)*
- PE Space
- Cafeteria
- Kitchen and Serving Area
- Large Instructional Space
- Computer Labs
- Library
- Art and Music
## Areas of Concern at HPE

<table>
<thead>
<tr>
<th>School</th>
<th>Areas of Concern</th>
</tr>
</thead>
<tbody>
<tr>
<td>BC</td>
<td>Cafeteria/Serving Space, Science Labs, Double Rm for Interdisciplinary Pgm</td>
</tr>
<tr>
<td>WV</td>
<td>Cafeteria/Serving Area Space, PE, Art</td>
</tr>
</tbody>
</table>

HPE = Highest Projected Enrollment
BCMS Temp Classroom Expansion
BCMS Classroom Expansion
WVMS Classroom Expansion
WVMS Classroom Expansion
Other Questions

- Penn Wynne Temporary Classrooms
- Williamson Road Property
- Clarify High School Capacities
PW Basin Relocation

- Alternate Stormwater Basin Location in Parking Lot (Green)
- Sized for Future Construction (Option 1 or 2)
- Access to Temp Classrooms Revised
The capacity of the school is based on the current room utilization, which varies from school to school depending on the programs offered.

Lower Merion High School has more classrooms assigned for general instruction (+1) and science classrooms (+3).

Lower Merion’s main gymnasium is large enough to accommodate 1.5 teaching stations, whereas Harriton’s gym can accommodate 2 teaching stations.

The capacity at Lower Merion HS nets 3.5 additional teaching stations assigned for instructional areas that receive capacity based on it’s current utilization.

Harriton HS has regular sized classrooms assigned for special ed support that are not currently assigned capacity.
Relieve pressure on elementary schools by converting to K-4
• Current neighborhood schools remain
• $50 million dollars
Redistricting – without a new school

• Redistrict from Penn Wynne Elementary
• Build on to every other school
Summary
Neighborhood Stabilization

• Positives
  • Keeps current school communities intact
  • Planned roll out
• Challenges
  • Larger elementary schools
  • Impervious surfaces
Seventh Elementary School

• Positives
  • Puts the most control over future enrollment
  • Reduces the need for construction on other schools

• Challenges
  • Significant redistricting
  • Puts additional pressure on Welsh Valley (curtails some issues at Bala Cynwyd)
  • Lack of parking results in $10 million dollar parking solution
5-8 Middle School

• Positives
  • Keeps current elementary boundaries
  • Planned roll out

• Challenges
  • Middle schools become basically as large as our High Schools
  • Both schools have some site challenges
  • Cost of construction is high
Redistricting Students from Penn Wynne

• Positives
  • Merion has easier building footprint

• Challenges
  • Traffic and parking at Merion and Penn Valley
  • Does not relieve increases at Gladwyne, Belmont Hills or Cynwyd
  • Need to increase core spaces
  • Larger elementary schools
Modular Example

- Bala Cynwyd Middle needs 6 classes
- Modular cost = $2 million for 5 years
- Construction = $6.03 million
  - Cost of debt service = $400,000 a year for 20 years
## Summary of Options

<table>
<thead>
<tr>
<th>Neighborhood Stabilization</th>
<th>New Elementary School</th>
<th>5-8 School</th>
<th>Redistricting without a new school</th>
<th>Middle School Expansion</th>
</tr>
</thead>
<tbody>
<tr>
<td>$29,500,000 w/PW Option One</td>
<td>$44,000,000</td>
<td>$52,000,000</td>
<td>$26,598,000</td>
<td>$14,206,000</td>
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<tr>
<td>$34,698,000 w/PW Option Two</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>$14,206,000 MS Expansion Cost</td>
<td>$14,206,000</td>
<td></td>
<td>$14,206,000</td>
<td></td>
</tr>
<tr>
<td>PW Option 1 w/MS Expansion $43,706,000</td>
<td>Total of above = $58,206,000</td>
<td>$14,206,000</td>
<td>Total of above = $40,804,000</td>
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</tr>
<tr>
<td>PW Option 2 w/MS Expansion $48,904,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Additional Questions