Methodology/Overview

• Web/internet survey conducted April 3-May 2, 2014

• 211 LEA’s and 2 charter schools participating

• 1,194 school buildings represented
A majority of LEA’s either never before completed a facility study or completed one prior to 2005.
Pennsylvania School Districts by Participation

Participation Rate of IU’s:

<table>
<thead>
<tr>
<th>Rate of Participation</th>
<th># of IU’s</th>
</tr>
</thead>
<tbody>
<tr>
<td>0%</td>
<td>2</td>
</tr>
<tr>
<td>1%-24%</td>
<td>2</td>
</tr>
<tr>
<td>25%-48%</td>
<td>18</td>
</tr>
<tr>
<td>49%-72%</td>
<td>6</td>
</tr>
<tr>
<td>73%-96%</td>
<td>1</td>
</tr>
</tbody>
</table>
Forty of the 213 LEA’s, or 19%, plan to construct new buildings in the next 10 years.

Avon Grove SD, IU 24  
Bear Creek Comm. Charter, IU 18  
Bethlehem Area SD, IU 20  
Carlisle Area SD, IU 15  
Carmichaels Area SD, IU 1  
Central Greene SD, IU 1  
Centre Learning Comm. Charter, IU 10  
Chambersburg Area SD, IU 12  
Cheltenham Township SD, IU 23  
Chestnut Ridge SD, IU 8  
Clarion Area SD, IU 6  
Coatesville Area SD, IU 24  
Connellsville Area SD, IU 1  
Delaware Valley SD, IU 20  
Downingtown Area SD, IU 24  
Eastern York SD, IU 12  
Forest Hills SD, IU 8  
Frazier SD, IU 1  
Freedom Area SD, IU 27  
Greencastle-Antrim SD, IU 12  
Hazleton Area SD, IU 18  
Juniata County SD, IU 11  
Lehighton Area SD, IU 21  
Lewisburg Area SD, IU 16  
Middletown Area SD, IU 15  
Montgomery Area SD, IU 17  
Montoursville Area SD, IU 17  
Montoursville Area HS, IU 17  
Muhlenberg SD, IU 14  
Oil City Area SD, IU 6  
Panther Valley SD, IU 21  
Parkland SD, IU 21  
Plum Borough SD, IU 3  
Pottstown SD, IU 23  
Shikellamy SD, IU 16  
Spring Cove SD, IU 8  
Trinity Area SD, IU 1  
Upper Merion Area SD, IU 23  
West Jefferson Hills SD, IU 3  
West Middlesex Area SD, IU 4
LEA’s planning to construct new school buildings within next 10 years.
Twenty-three of the forty LEA’s, or 58% anticipate construction [of new buildings] in the immediate two year timeframe.

Anticipate construction: 0-2 years (23 LEA’s)

- Less than $25 M (11)
- $25,000,000 - $50,000,000 (10)
- $50,000,001 - $75,000,000 (2)

No LEA’s report they are estimating construction costs above $75,000,000
15 LEA’s, or 38%, anticipate construction [of new school buildings] in the next three to five years.

- Anticipate construction: 3-5 years (15 LEA’s)
  - Less than $25 M (7)
  - $25,000,000 - $50,000,000 (4)
  - $50,000,001 - $75,000,000 (2)
  - $75,000,001 - $100,000,000 (1)
  - Greater than $100,000,000 (1)
Six of the forty LEA’s, or 15%, anticipate construction [of new buildings] in the next six to ten years.

- Less than $25 M (2)
- $25,000,000 - $50,000,000 (3)
- $50,000,001 - $75,000,000 (1)

No LEA’s report they are estimating construction costs above $75,000,000.
Number of Pupils Housed in this Building? (1,194 Total Buildings)

Most LEA’s report their buildings accommodate 500-999 students
Most school buildings were originally constructed from 1950-1959, with the fewest constructed before 1900.
Year of last major addition/renovation of building, with costs $500,000+

*Note: Fifty-nine (59) percent of all school buildings reporting major additions and/or renovations in the 1990-1999 timeframe were built before 1960. Seventy-three (73) percent of all school buildings reporting major additions and/or renovations in the 2000-2010 timeframe were built before 1970.
Smaller buildings and those housing fewer students more likely to report building conditions in either fair or poor shape.

<table>
<thead>
<tr>
<th>Building characteristic</th>
<th>Excellent/Good (%)</th>
<th>Fair/Poor (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Square footage</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Up to 24,999</td>
<td>65% [74]</td>
<td>35% [33/7]</td>
</tr>
<tr>
<td>25,000 – 49,999</td>
<td>66% [129]</td>
<td>34% [63/5]</td>
</tr>
<tr>
<td>50,000 – 99,999</td>
<td>76% [348]</td>
<td>24% [101/7]</td>
</tr>
<tr>
<td>100,000 – 149,999</td>
<td>82% [169]</td>
<td>18% [33/5]</td>
</tr>
<tr>
<td>&gt;150,000</td>
<td>83% [182]</td>
<td>17% [34/4]</td>
</tr>
<tr>
<td><strong># of Pupils</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&lt; 250</td>
<td>65% [138]</td>
<td>35% [68/7]</td>
</tr>
<tr>
<td>250-499</td>
<td>77% [318]</td>
<td>23% [97/8]</td>
</tr>
<tr>
<td>500-999</td>
<td>78% [349]</td>
<td>23% [90/12]</td>
</tr>
<tr>
<td>1000+</td>
<td>85% [97]</td>
<td>15% [18/0]</td>
</tr>
</tbody>
</table>

*Note: [] indicates number of buildings*
Mechanical systems rated poorest among all types of building systems.

<table>
<thead>
<tr>
<th>Type of System</th>
<th>Total Exc./Good</th>
<th>Total Fair/Poor</th>
<th>Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>Structural</td>
<td>86% [1,018]</td>
<td>15% [163/13]</td>
<td>1</td>
</tr>
<tr>
<td>Technology/Communication</td>
<td>80% [951]</td>
<td>20% [216/27]</td>
<td>2</td>
</tr>
<tr>
<td>Site &amp; Utility</td>
<td>79% [943]</td>
<td>21% [223/28]</td>
<td>3</td>
</tr>
<tr>
<td>Electrical</td>
<td>76% [910]</td>
<td>24% [251/33]</td>
<td>4</td>
</tr>
<tr>
<td>Building Interior</td>
<td>75% [890]</td>
<td>25% [276/28]</td>
<td>5</td>
</tr>
<tr>
<td>Building Exterior</td>
<td>74% [883]</td>
<td>26% [275/36]</td>
<td>6</td>
</tr>
<tr>
<td>Plumbing</td>
<td>73% [874]</td>
<td>27% [278/42]</td>
<td>7</td>
</tr>
<tr>
<td>Mechanical</td>
<td>69% [825]</td>
<td>31% [317/52]</td>
<td>8</td>
</tr>
</tbody>
</table>

*Note: [] indicates number of buildings*
Buildings built prior to 1950 much more likely to report fair or poor conditions.

*Note: [] indicates number of buildings*
Conclusion

- A combined majority of 51% of LEA’s either never before completed a facility study and/or completed one prior to 2005. This includes 34% (or 73 LEA’s) who reported never before completing a facility study.

- An average of between 25% and 48% of school districts in 18 Intermediate Units (IU’s) participated in the facility study, while 6 IU’s accounted for school districts with participation averaging between 49% and 72%. Only one IU (#10), had an average of between 73% and 96% of all school districts participating. Two IU’s (Philadelphia and Pittsburgh) had zero participation.

- 40 LEA’s (or 19% of all LEA’s) plan to construct new school buildings in the next 10 years with 23 (or 58%) anticipated for the next 2 years, 15 (or 38%) anticipated in the 3 to 5 year time frame and the remaining 6 (or 15%) planned for the 6-10 year time frame.
  - Among 23 LEA’s planning new construction in the next two years, 91% (or 21 LEA’s) estimate total costs at $50 Million or less, including 48% estimating costs less than $25 million
  - Among 15 LEA’s planning new construction in the 3-5 year time frame, 74% (or 11 LEA’s) estimate total costs at $50 Million or less, including 7 of the 15 LEA’s (or 47%) estimating total costs less than $25 Million.
  - Among 6 LEA’s planning new construction in the 6-10 year time frame, 83% (5 LEA’s) estimate total costs at $50 Million or less, including 50% (or 3) who estimate total costs in the $25 Million to $50 Million range. One LEA estimates costs in the $50 Million to $75 Million range.

- Seventy-eight (78) percent of all school buildings were constructed before 1980, with the highest number of them (321 buildings, or 27%) being constructed in the 1950-1959 time frame. Only 259 buildings, or 22% were constructed in 1980 or later.
Conclusion

- LEA's reported that a combined 91% of buildings house fewer than 1,000 pupils. This includes 38% housing an average of 500-999 pupils, 35% housing 250-499 pupils and 18% serving less than 250 pupils. An additional 7% of buildings house 1,000 – 1,499 students, while 2% house 1,500-2,999 students.

- The highest number of school buildings undergoing major additions and/or renovations was during the 2000-2010 time frame, involving 436 total buildings or 37% of all buildings. Seventy-three (73) percent of these buildings were built before 1970. The 1990-1999 time frame represents the time when the second highest number of buildings, or 262 underwent renovations or additions. Fifty-nine (59) percent of these buildings were built before 1960. Twenty-one (21) percent of all school buildings, or 249 total buildings, report no major renovations or additions.

- A combined 35% of buildings with square footage less than 25,000 report general building conditions as “fair” or “poor”, while larger buildings with more square footage were more likely to report their building conditions in better condition. Consequently, 35% of buildings housing the fewest number of pupils (i.e., less than 250), reported building conditions in “fair” to “poor” shape, compared with only 15% of buildings that house 1,000 or more pupils.

- Thirty-one (31) percent of buildings (or 369) report mechanical systems in “fair” to “poor” shape, higher than any other building systems surveyed, while only 69% report their mechanical systems in “excellent” or “good” condition. Conversely, 86% of all buildings (or 1,018) rated their structural systems “excellent” or “good” condition, the highest ratings of all building systems measured in the survey.

- A combined 77% of buildings built prior to 1900 reported general conditions as “fair” or “poor”, while only 33% of buildings built during this time frame report buildings in “excellent” or “good” condition. Thirty-nine (39) percent of buildings built in the 1900-1949 time frame report buildings in fair to poor shape, while only 61% built during this time frame report conditions as “excellent” or “good”.

Thank you for your time and attention!