

# ENROLLMENT REVIEW COMMITTEE

## Parent Organization Update

SPRING 2016

---

# ELEMENTARY ENROLLMENT STUDY

---

*Taken from the May 26, 2015 SUPERINTENDENT'S REPORT*

*- Item #8*

## **8. ELEMENTARY ENROLLMENT STUDY**

### **INFORMATION:**

*The Boyertown Area School District has completed facilities and demographics studies. This information serves to guide the Board of School Directors and Administration as decisions are made to continue to provide educational facilities for our students. A need has been identified to study our long-term needs at our elementary level. Administration is proposing a process that ensures appropriate resources and information is in place to thoroughly study these needs, involves stakeholders with opportunities to provide input and develops options for the Board of School Directors to consider. A timeline has been developed to detail the steps Administration proposes to evaluate and address our elementary enrollment needs.*

### **RECOMMENDATION:**

*That the Board of School Directors approves the proposed timeline for the study of the District's elementary enrollment needs. The Board President will establish an ad hoc committee to work with Administration to study these needs, consider options, and make recommendations to the Facilities Committee / Board of School Directors.*

# ENROLLMENT REVIEW COMMITTEE TIMELINE

<b>Summer 2015</b>	Resources secured to ensure BASD can effectively evaluate District needs
<b>Fall 2015 – Winter 2016</b>	Board Ad-Hoc Committee formed to evaluate information; <ul style="list-style-type: none"><li>• Public Input</li><li>• Meetings with parent groups to gather input</li><li>• Community Forums</li></ul>
<b>Spring / Summer 2016</b>	Ad-Hoc Committee shares options for Board review/ public input
<b>Fall 2016</b>	Board action taken on option that meets needs of BASD Community
<b>Winter/Spring 2017</b>	Transition activities/communication
<b>August 2017</b>	6 <sup>th</sup> grade moves to middle school/ 9 <sup>th</sup> grade moves to BASH
<b>August 2017</b>	Implement approved changes to BASD elementary enrollment or begin work on approved actions.

# BASD ELEMENTARY BACKGROUND

---

2005 - Gray Attendance areas established

- Gray areas expanded several times
- K-6 new enrollment in gray areas placed by Administration

2005 - Present - “Bubble” Sections

- Sections are added or deleted at a school per BASD elementary class size guidelines

2009 - Redistricting

- All schools involved with redistricting to alleviate enrollment in Montgomery County Schools

# BASD ELEMENTARY BACKGROUND

---

## Grade Level Caps

- A few times in the past ten years a grade level at an elementary school was capped and subsequently enrolled students were assigned to a neighboring school

## Classroom Repurposing

- During the past three years all elementary computer labs have been repurposed to classrooms or instructional spaces
- Science/LGI rooms have been repurposed to classroom space

# BASD ELEMENTARY BACKGROUND

---

## Special Education Programs

- During the past ten years two Autistic Support classrooms (WES), one Emotional Support classroom (BES) and an English as a Second Language (BES) program has been added to meet District-wide student needs

## Modular Classrooms

- Two modular classrooms were added to GES in August 2015 to increase building instructional space

## Grade Reconfiguration

- In August 2017 all grade six students will attend JHE or JHW, converting to middle school program for grades 6-8

# HANOVER RESEARCH DISCUSSION

---

Impacts of School and Class Size on Student Outcome

- Key Findings

Elementary School Enrollment Redistribution

- Key Findings

# BASD ENROLLMENT

## Day 12 Enrollment Trends

<u>SCHOOL</u>	<u>2015 ENROLLMENT</u>	<u>2010 ENROLLMENT</u>	<u>5/YR CHANGE</u>	<u>2005 ENROLLMENT</u>	<u>10 YR CHANGE</u>
WES	534	659	-125	673	-139
BES	628	670	-42	668	-40
CES	324	358	-34	288	36
PFES	281	295	-14	285	-4
EES	292	301	-9	292	0
GES	799	737	62	704	95
NHUF	779	724	55	714	65



# TRANSFINDER/BASD ATTENDANCE AREAS

---

Understanding our current enrollment boundaries

- School/Student Display
- Attendance Area/ Outside Area
- Distance to Schools
- System Capabilities

# BASD Elementary School Enrollment Transfinder Report

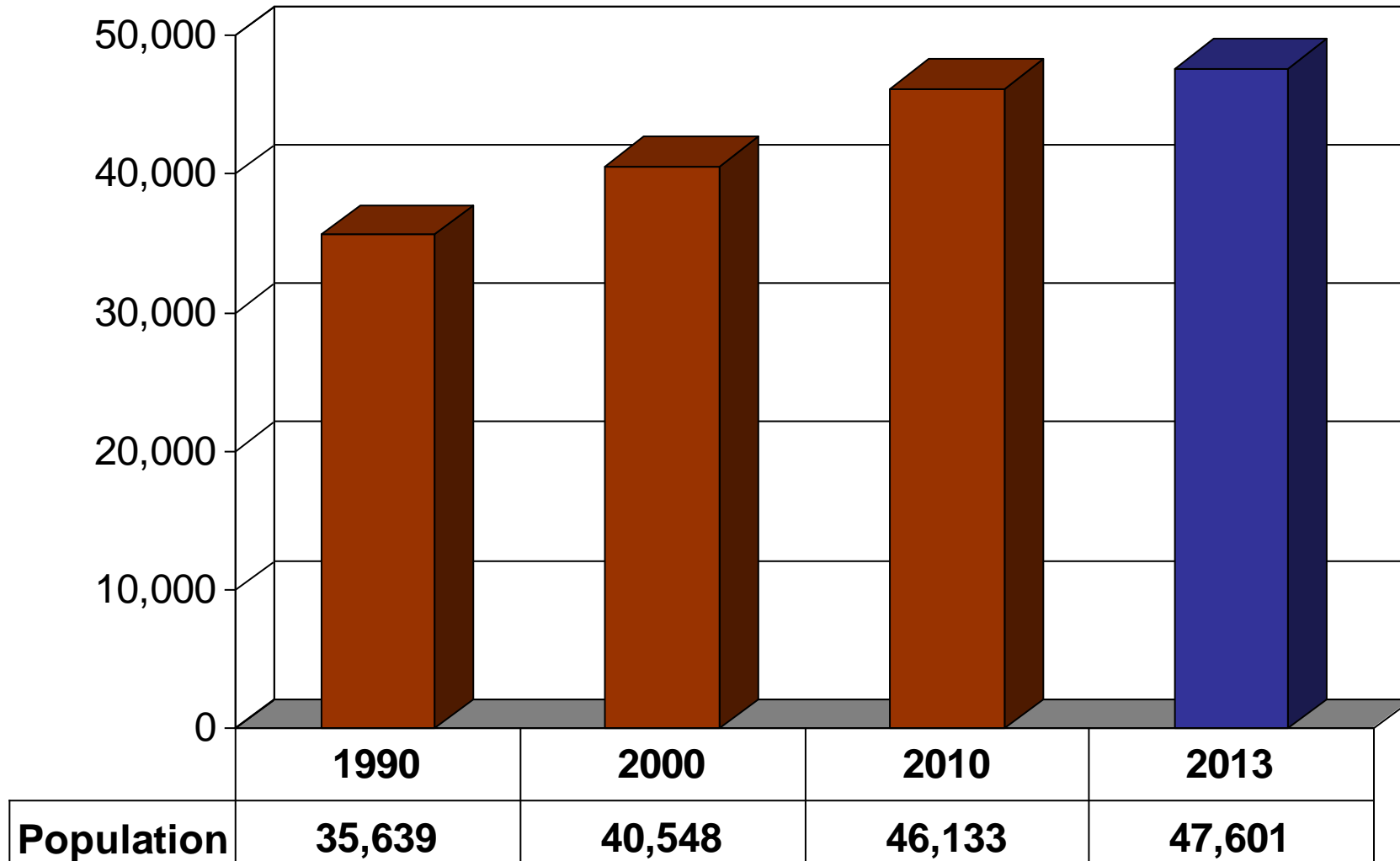
BASD Elementary School Enrollment				
Transfinder Report				
<u>School</u>	<u>Enrollment</u>	<u>Boundary</u>	<u>Outside Boundary</u>	<u>Avg. Distance to School</u>
WES	540	519	21	2.5 MILES
BES	631	528	103	1.6 MILES
CES	331	273	58	1.5 MILES
PFES	286	265	21	3.3 MILES
EES	293	272	21	2.9 MILES
GES	796	773	23	2.3 MILES
NHUF	787	744	43	3.2 MILES
				12/15/2015

# BASD Demographics

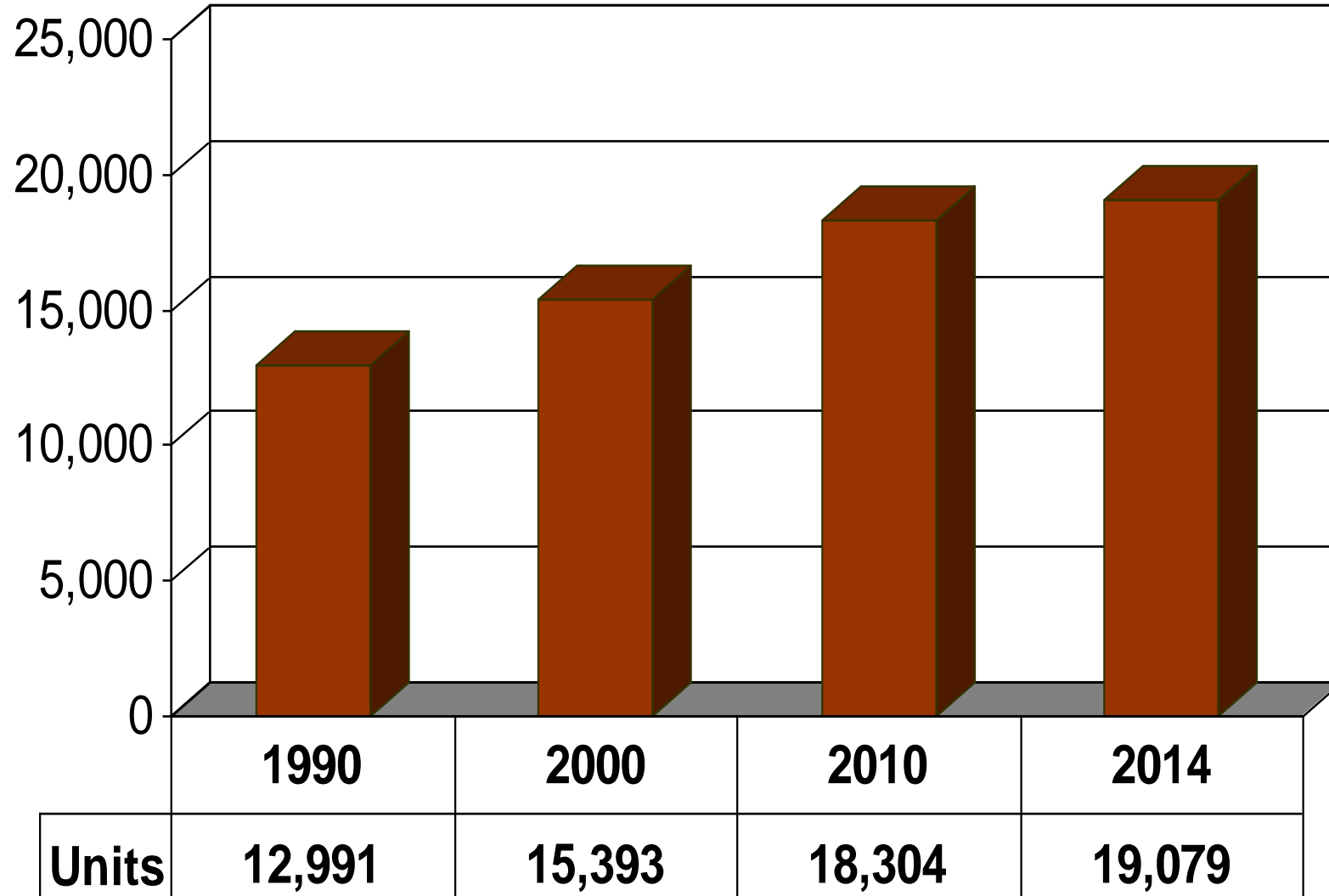
---

- Pennsylvania Economy League, February 2015 Report
- Report available at <http://www.boyertownasd.org/site/default.aspx?PageType=3&DomainID=4&ModuleInstanceID=1623&ViewID=047E6BE3-6D87-4130-8424-D8E4E9ED6C2A&RenderLoc=0&FlexDataID=1992&PageID=1>
- Key Findings / Projections
- Importance of updated demographic data

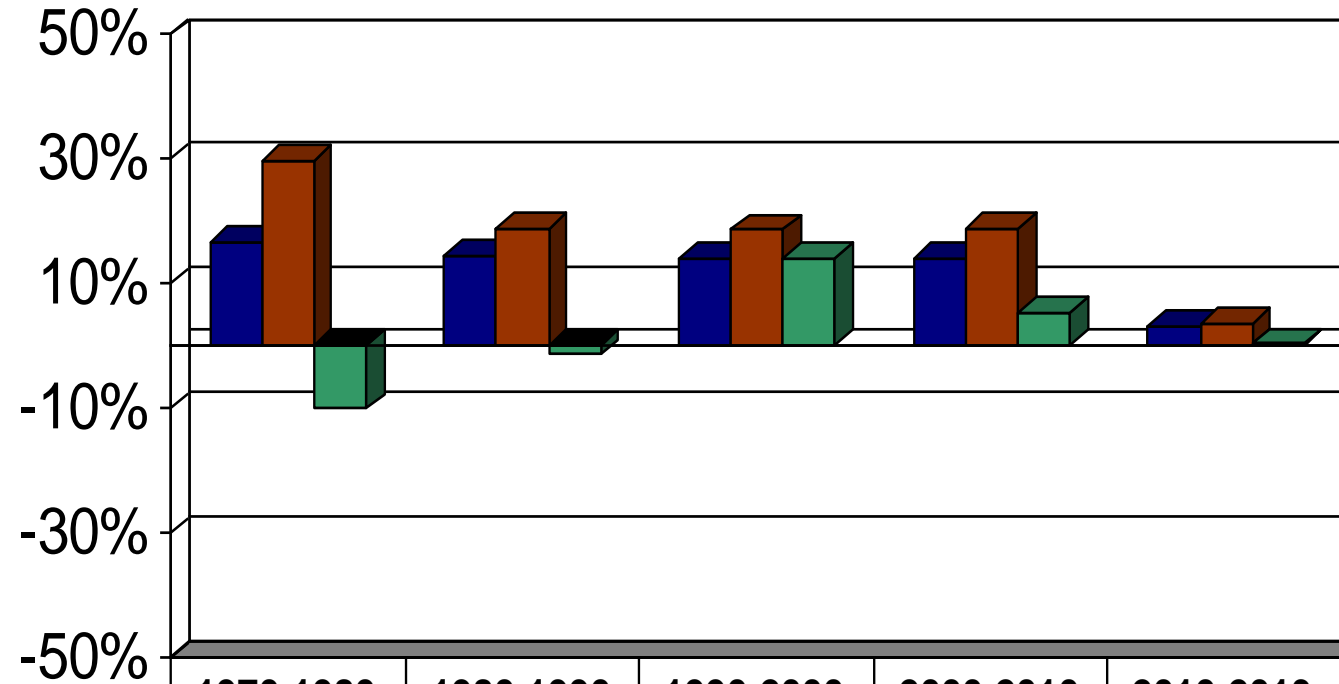
# Population



# Total Housing Units

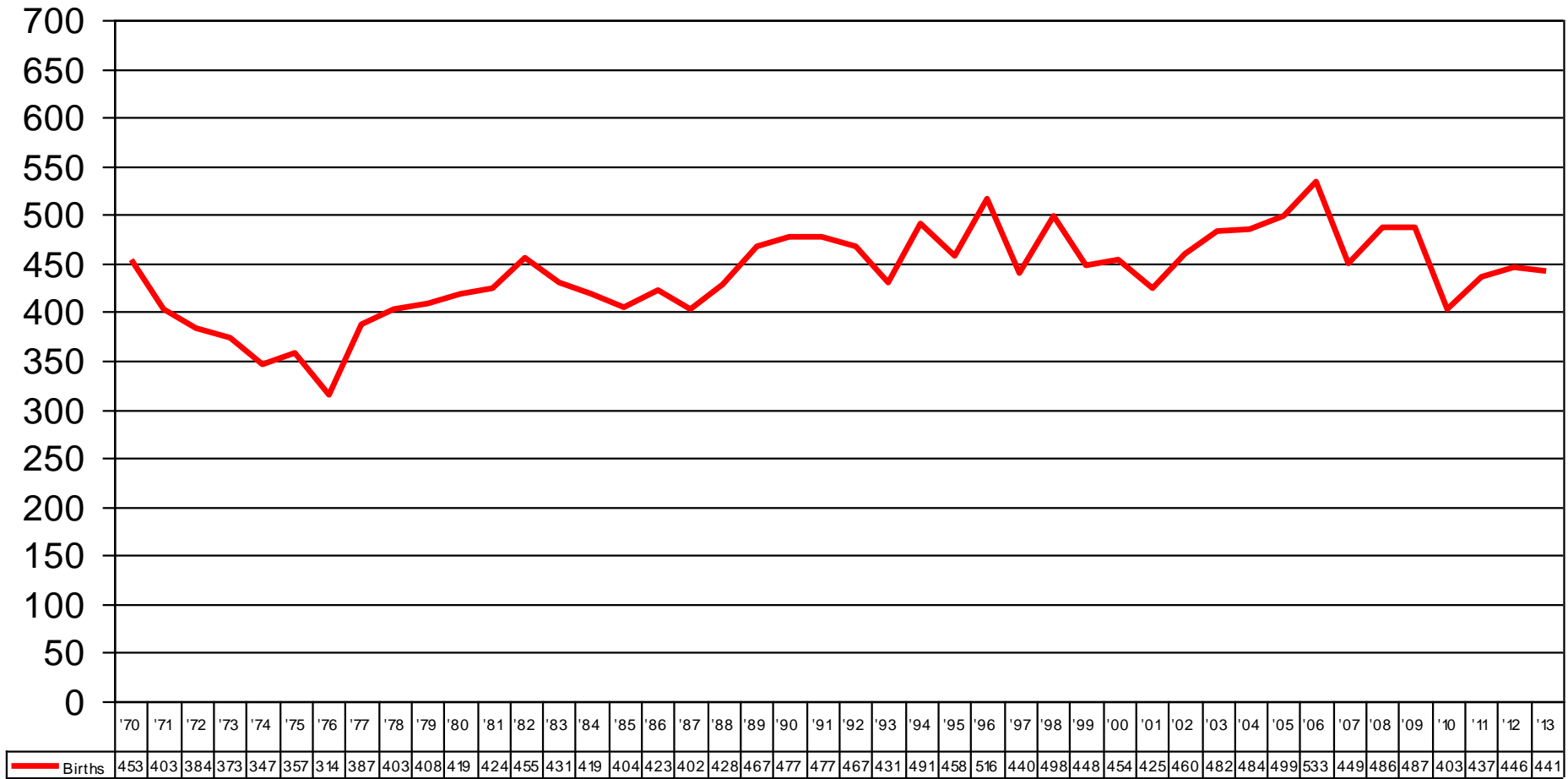


# Population, Housing Units & Enrollments

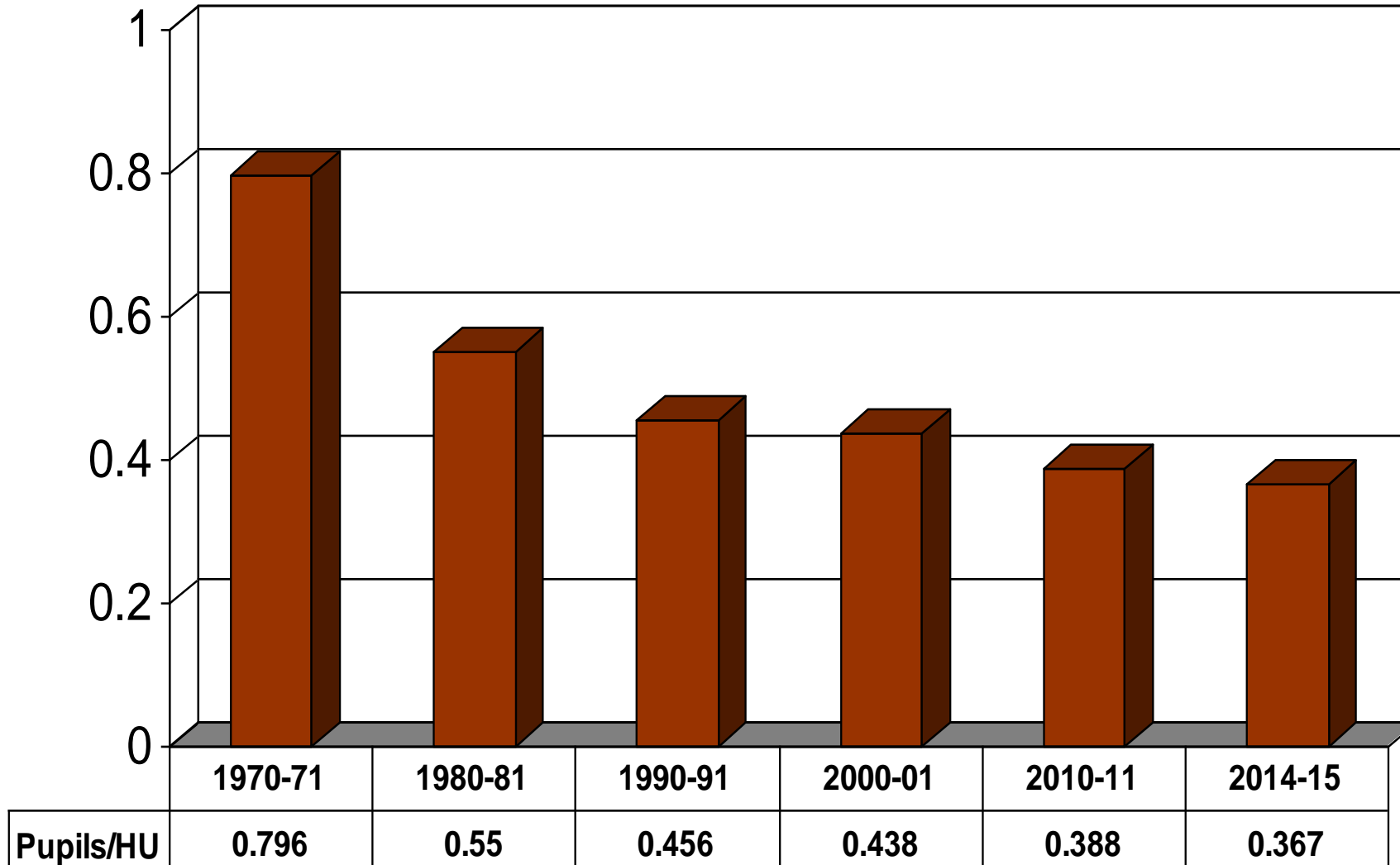


	1970-1980	1980-1990	1990-2000	2000-2010	2010-2013
■ Population	16.6%	14.5%	13.8%	13.8%	3.2%
■ Housing Units	29.8%	18.7%	18.5%	18.9%	3.6%
■ Total Enrollment	-10.3%	-1.5%	13.8%	5.2%	0.2%

# Births

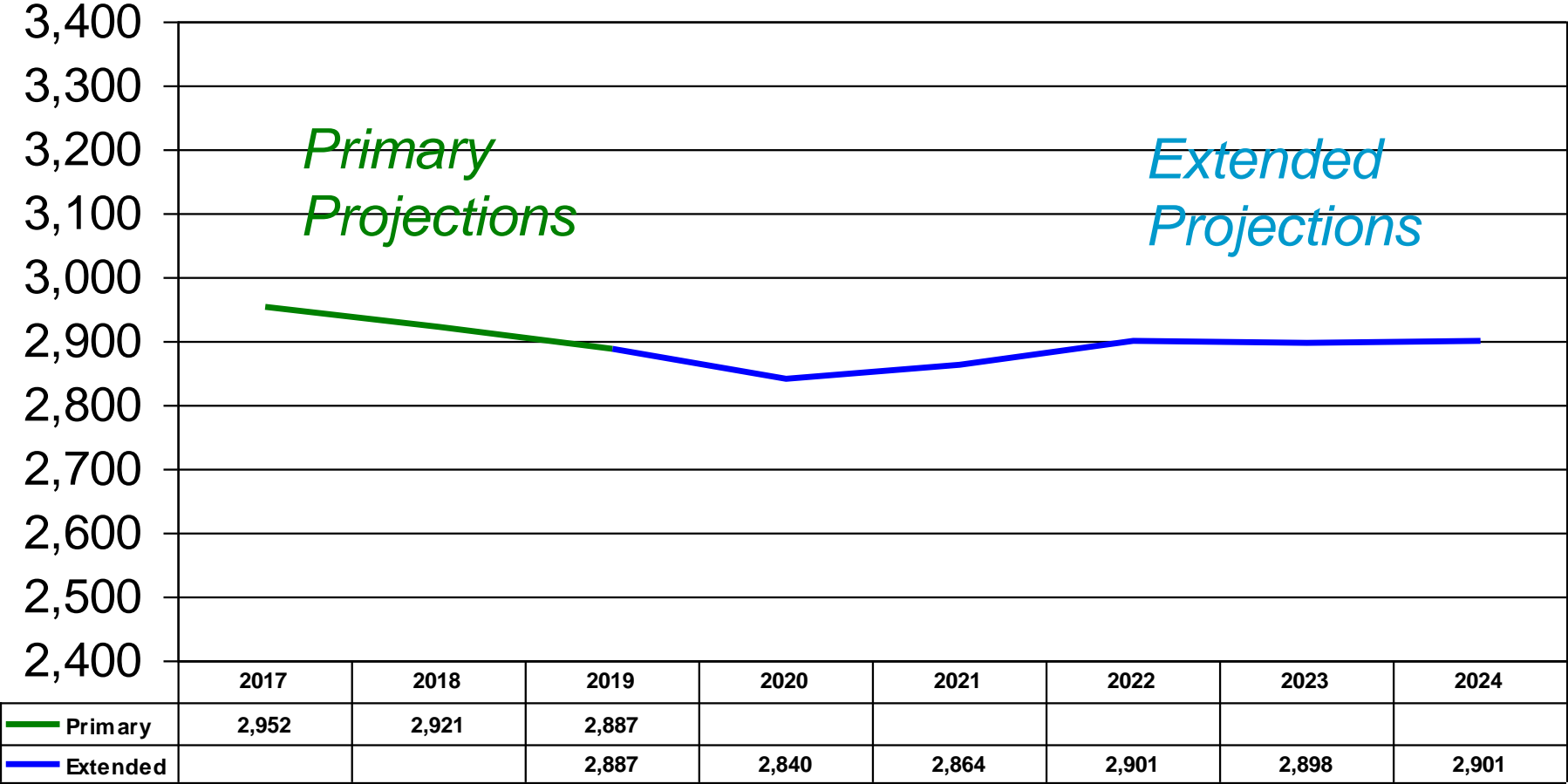


# Pupils Per Housing Unit





# Elementary Enrollments (K-5)



# BASD Feasibility Study

---

- The BASD Board of School Directors commissioned a District-Wide Feasibility study
- Completed by EI Associates in August 2012
- Full study available on the BASH website at <http://www.boyertownasd.org/Page/4373>

## GENERAL DATA

---

### Washington Elementary School

<b>Built:</b>	1961, 1987, 1995 Eligible for 20-year State Reimbursement in 2015
<b>Site:</b>	1406 Route 100, Barto, PA 19504-8704 24 acres; located in a rural area with paved drives and parking areas, athletic fields and play areas.
<b>Structure:</b>	One-story building with concrete floors; metal roof deck; structural steel frame; and masonry and concrete walls. Construction type non-combustible, unprotected in accordance with International Building Code with foam and built-up roof membranes.
<b>HVAC System:</b>	Hot water boilers serve classroom unit ventilators, air handlers and fan coils. Air conditioning is provided for miscellaneous areas through packaged rooftop and split system air conditioners.
<b>Plumbing Service:</b>	Public water and sewer
<b>Electrical Service:</b>	1600 amp, 120/208 volt, three phase, 4 wire
<b>Systems:</b>	Fire Alarm Paging/Intercom Master Clock Security Emergency Lighting and Power District Telephone Data Network
<b>Architectural Area:</b>	82,030 s.f.
<b>PDE Replacement Value:</b>	\$11,205,600 ( 700 FTE x 92 sf = 64,400 x \$174 / sf = replacement cost ) \$2,241,120 ( 20% Rule )
<b>PDE Total Capacity:</b>	700

## GENERAL DATA

### Boyertown Elementary School

<b>Built:</b>	1969 Eligible for 20-year State Reimbursement
<b>Site:</b>	641 East Second Street, Boyertown, PA 19512-2298 13 acres; located in a residential area with paved drives and parking areas, athletic fields and play areas.
<b>Structure:</b>	One-story building with concrete floors; metal roof deck; structural steel frame; and masonry and concrete walls. Construction type non-combustible, unprotected in accordance with International Building Code. Built-up roof membrane with metal soffit and fascias.
<b>HVAC System:</b>	Packaged unit ventilators with integral air conditioning and electric heating coils as well as split system air conditioners and heat pumps.
<b>Plumbing Service:</b>	Public water and sewer services
<b>Electrical Service:</b>	2000 amp, 277/480 volt, three phase, 4 wire
<b>Systems:</b>	Fire Alarm Paging/Intercom Master Clock Security Emergency Lighting and Power District Telephone Data Network
<b>Architectural Area:</b>	97,800 s.f.
<b>PDE Replacement Value:</b>	\$11,605,800 ( 725 FTE x 92 sf = 66,700 x \$174 / sf = replacement cost )  \$2,321,160 ( 20% Rule )
<b>PDE Total Capacity:</b>	725

## GENERAL DATA

---

### Pine Forge Elementary School

<b>Built:</b>	1928, 1957, 1987 Eligible for 20-year State Reimbursement
<b>Site:</b>	8 Glendale Road, Boyertown, PA 19512 8 acres; located in a rural area with paved drives and parking areas, athletic fields and play areas.
<b>Structure:</b>	One-story building with concrete floors; metal roof deck; structural steel frame; and masonry and concrete walls. Construction type non-combustible, unprotected in accordance with International Building Code with foam roof membranes.
<b>HVAC System:</b>	Hot water boilers serving unit ventilators, air handlers, and fan coils. Air conditioning is provided in several spaces through rooftop packaged air conditioning units.
<b>Plumbing Service:</b>	Onsite water and sewer systems.
<b>Electrical Service:</b>	800 amp, 120/240 volt, three phase, 3 wire
<b>Systems:</b>	Fire Alarm Paging/Intercom Master Clock Security Emergency Lighting and Power  District Telephone Data Network
<b>Architectural Area:</b>	37,570 s.f.
<b>PDE Replacement Value:</b>	\$5,602,800 ( 350 FTE x 92 sf = 32,200 x \$174 / sf = replacement cost ) \$1,120,560 ( 20% Rule )
<b>PDE Total Capacity:</b>	350

## GENERAL DATA

### Colebrookdale Elementary School

<b>Built:</b>	1955, 1991 Eligible for 20-year State Reimbursement
<b>Site:</b>	1001 Montgomery Avenue, Boyertown, PA 19512 35 acres; located in a residential area with paved drives and parking areas, athletic fields and play areas.
<b>Structure:</b>	One-story building with concrete floors; metal roof deck; structural steel frame; and masonry and concrete walls. Construction type non-combustible, unprotected in accordance with International Building Code. Built-up roof membrane.
<b>HVAC System:</b>	A single boiler provides hot water to unit heaters, air handlers, and fan coils. Packaged rooftop units are utilized to provide cooling for the library, offices, and computer room. The modular classrooms utilize packaged terminal through the wall heat pumps and electric heat.
<b>Plumbing Service:</b>	Public water and sewer.
<b>Electrical Service:</b>	1600 amp, 120/208 volt, three phase, 4 wire
<b>Systems:</b>	Fire Alarm Paging/Intercom Master Clock Security Emergency Lighting and Power District Telephone Data Network
<b>Architectural Area:</b>	41,340 s.f.
<b>PDE Replacement Value:</b>	\$5,602,800 ( 350 FTE x 92 sf = 32,200 x \$174 / sf = replacement cost ) \$1,120,560 ( 20% Rule )
<b>PDE Total Capacity:</b>	350

**GENERAL DATA**

**Gilbertsville Elementary School**

<b>Built:</b>	1930, 1958, 1987, 1995 Eligible for 20-year State Reimbursement in 2015
<b>Site:</b>	36 Congo Road, Gilbertsville, PA 19525-9205 16 acres; located in a residential area with paved drives and parking areas, athletic fields and play areas.
<b>Structure:</b>	One-story building with concrete floors; metal roof deck; structural steel frame; and masonry and concrete walls. Construction type non-combustible, unprotected in accordance with International Building Code with Foam and Built-up roof membranes.
<b>HVAC System:</b>	Cast iron steam boilers. The boilers directly feed some equipment and also feed a steam to hot water heat exchanger that provides hot water to classroom unit ventilators, air handlers, and fan coils. Air conditioning is provided for limited spaces through packaged rooftop and split system air conditioners.
<b>Plumbing Service:</b>	Onsite water and public sewer
<b>Electrical Service:</b>	2000 amp, 120/208 volt, three phase, 4 wire
<b>Systems:</b>	Fire Alarm Paging/Intercom Master Clock Security Emergency Lighting and Power District Telephone Data Network
<b>Architectural Area:</b>	96,930 s.f.
<b>PDE Replacement Value:</b>	\$11,605,800 ( 725 FTE x 92 sf = 66,700 x \$174 / sf = replacement cost ) \$2,321,160 ( 20% Rule )
<b>PDE Total Capacity:</b>	725

## GENERAL DATA

---

### New Hanover-Upper Frederick Elementary School

<b>Built:</b>	1953, 1958, 1964, 1991 Eligible for 20-year State Reimbursement
<b>Site:</b>	2547 Big Road, Frederick, PA 19435-9701 18 acres; located in a rural area with paved drives and parking areas, athletic fields and play areas.
<b>Structure:</b>	One-story building with concrete floors; metal roof deck; structural steel frame; and masonry and concrete walls. Construction type non-combustible, unprotected in accordance with International Building Code with foam, balasted and built-up roof membranes.
<b>HVAC System:</b>	New hot water boilers serve classroom unit ventilators, air handlers, and fan coils. Air conditioning is provided for miscellaneous areas through packaged rooftop units and split system air conditioners.
<b>Plumbing Service:</b>	Onsite well and sewer systems
<b>Electrical Service:</b>	2500 amp, 120/208 volt, three phase, 4 wire
<b>Systems:</b>	Fire Alarm Paging/Intercom Master Clock Security Emergency Lighting and Power District Telephone Data Network
<b>Architectural Area:</b>	90,700 s.f.
<b>PDE Replacement Value:</b>	\$12,806,400 ( 800 FTE x 92 sf = 73,600 x \$174 / sf = replacement cost ) \$2,561,280 ( 20% Rule )
<b>PDE Total Capacity:</b>	800



## GENERAL DATA

### Earl Elementary School

<b>Built:</b>	1954, 1968, 1991 Eligible for 20-year State Reimbursement
<b>Site:</b>	22 Schoolhouse Road, Boyertown, PA 19512-7926 16 acres; located in a rural area with paved drives and parking areas, athletic fields and play areas.
<b>Structure:</b>	One-story building with concrete floors; metal roof deck; structural steel frame; and masonry and concrete walls. Construction type non-combustible, unprotected in accordance with International Building Code with foam and balasted roof membranes.
<b>HVAC System:</b>	Hot water boilers feeding classroom unit ventilators, air handlers, and fan coils. Air conditioning is provided for library, offices, and computer room through packaged rooftop AC units.
<b>Plumbing Service:</b>	Well system and onsite sewage treatment facility
<b>Electrical Service:</b>	1000 amp, 120/208 volt, three phase, 4 wire
<b>Systems:</b>	Fire Alarm Paging/Intercom Master Clock Security Emergency Lighting and Power District Telephone Data Network
<b>Architectural Area:</b>	38,530 s.f.
<b>PDE Replacement Value:</b>	\$5,602,800 ( 350 FTE x 92 sf = 32,200 x \$174 / sf = replacement cost ) \$1,120,560 ( 20% Rule )
<b>PDE Total Capacity:</b>	350

# BASD Enrollment/ Capacity/ Room Usage

---

- BASD 2015 Elementary Classroom Usage
  - 2015 Elementary Enrollment
  - 2017 Estimated Elementary Enrollment
  - 2015 Classroom Usage
  - 2017 Classroom Gain

# BASD Enrollment/ Capacity/ Room Usage

---

## Elementary Class Size

	K-3	4-6
2005	21.9	24.6
2010	22.5	24.9
2015	20.8	24

# BASD ELEMENTARY BUILDINGS

## Enrollment/Capacity/Room Usage

	Feb 2016 Enrollment	Fall 2017 Enrollment (Est)	2012 Capacity	Full Size Classrooms	Full Size Classrooms Used for K-6	Other Uses of Full Size Classrooms
GES	799	661	700/725	36 (2 Modular)	33 2017-28	Music – Art – Music Instrumental
NHUF	786	663	700/800	36	32 2017-27	Music – Art – Music Instrumental
BES	630	528	700/725	35	27 2017-23	Gifted Support* – Emotional Support * Intervention/Instruction – Music Art – Learning Support 3
WES	536	455	700	32	25 2017-21	Music – Art – Autistic Support 2* Learning Support – BCIU Rental* Intervention/Instruction
CES	330	282	350	20	13 2017-11	Life Skills 2* – Music – Art Learning Support – Therapy/Speech/OT Intervention/Instruction
EES	289	243	350	18	13 2017-11	Learning Support 2 – Art Music – Intervention/Instruction
PFES	284	244	350	15	13 2017-11	Art/Music Intervention/Instruction

\*Denotes District Wide Enrollment

# Information

---

Agendas , minutes and reports are available on BASD Website at <http://www.boyertownasd.org/Page/4373>

# NEXT STEPS

---

- April/May 2016 – Administration/ Committee Chair visit PTA/HSA meetings at each school to share information
- May 24, 2016– Enrollment Review Committee meeting,  
Education Center 7:30 p.m.
- Summer 2016 – Additional meeting and data collection
- Fall 2016 – Board action on recommendations/options