



Partnership *for*
Education Facilities Assessment



Introduction

- School Facility Assessment Project will help Knox County Commission and School Board decision makers evaluate local school system needs.
- The project will assist in the development of facilities that represent the best value for expenditure while creating an appropriate environment for learning.



Introduction

- The project has two main parts:
 1. Physical assessment of school facilities.
 2. Study that compares current and projected enrollments to existing school capacities.
- The Partnership for Educational Facilities Assessment (PEFA) was formed in August 2006 to develop a framework for these tasks. The partnership consists of members from Knox County Schools, the Metropolitan Planning Commission, and the Public Building Authority.



Products developed by PEFA to fulfill its assigned tasks:

1. Inventory of Land Suitable for School Development.
2. Rankings of Fastest Growing School Zones.
3. Enrollment Projections.
4. Enrollment and Facility Capacity Comparisons.
5. Physical Assessment of School Facilities.



**Partnership for
Education Facilities Assessment**

Inventory Of Land Suitable For School Development

January 11, 2007



Methodology

- Model run for each school type: elementary, middle, and high
- Different requirements in terms of location and size:
 - elementary: 20 acres; middle: 40 acres; high: 60 acres
- Select vacant parcels:
 - agricultural land
 - forested land
 - unused land
- Remove all vacant parcels within a distance of 1 mile of an existing school
- Remove land that is environmentally constrained from a site's total land area (streams, floodplains, steep slope, sinkholes)



**Partnership for
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Rankings of Fastest Growing School Zones

January 11, 2007

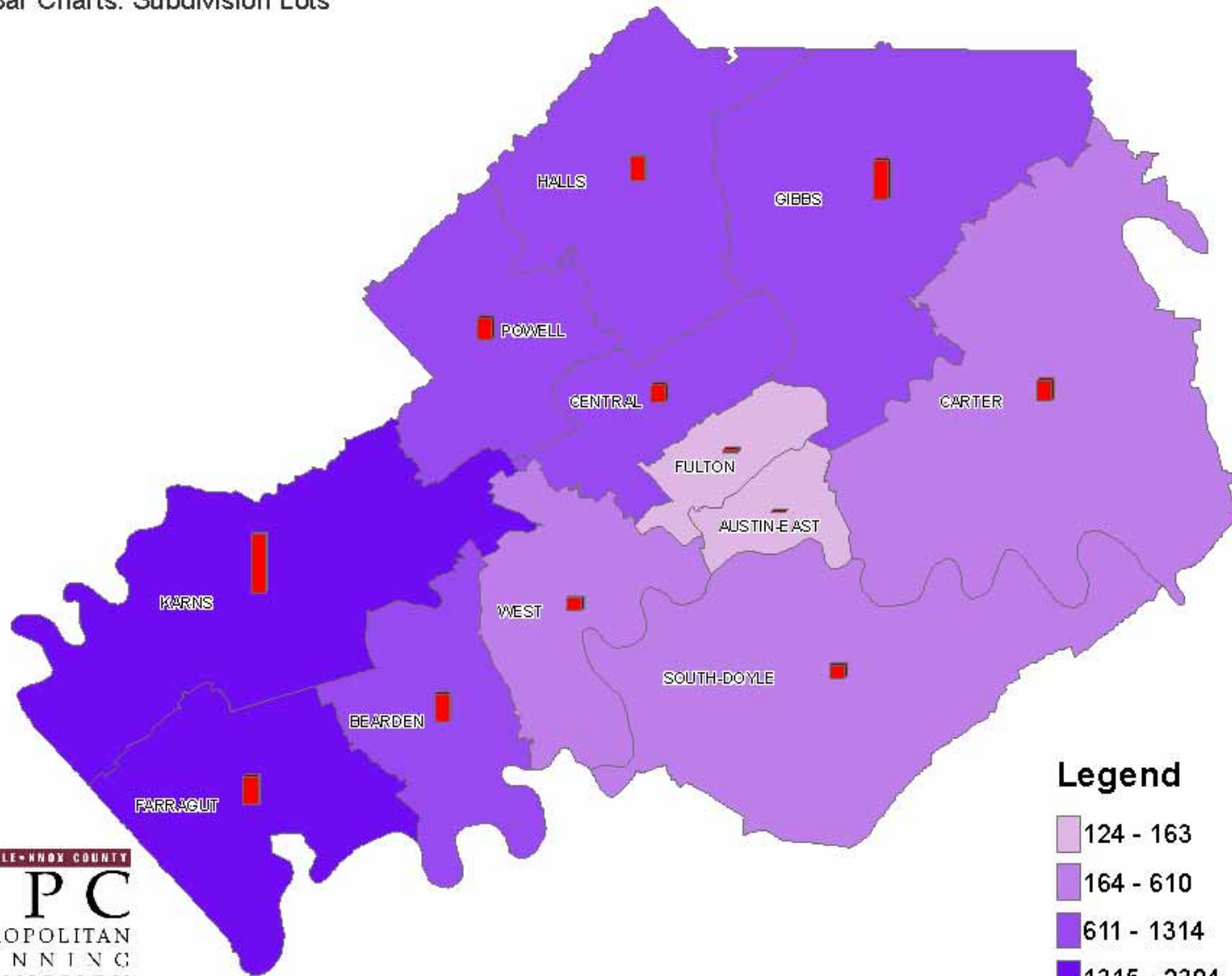


Fastest Growing School Zones: Monitoring Programs

- Building permit and subdivision data updated monthly.
- Uses 'live' data from centralized KGIS database, preventing the need to receive or download updated data.
- Flexible date ranges allow summaries to display recent or longer term trends.

Number of Single Family Detached Permits: 12/1/2001 - 11/30/2006

Bar Charts: Subdivision Lots

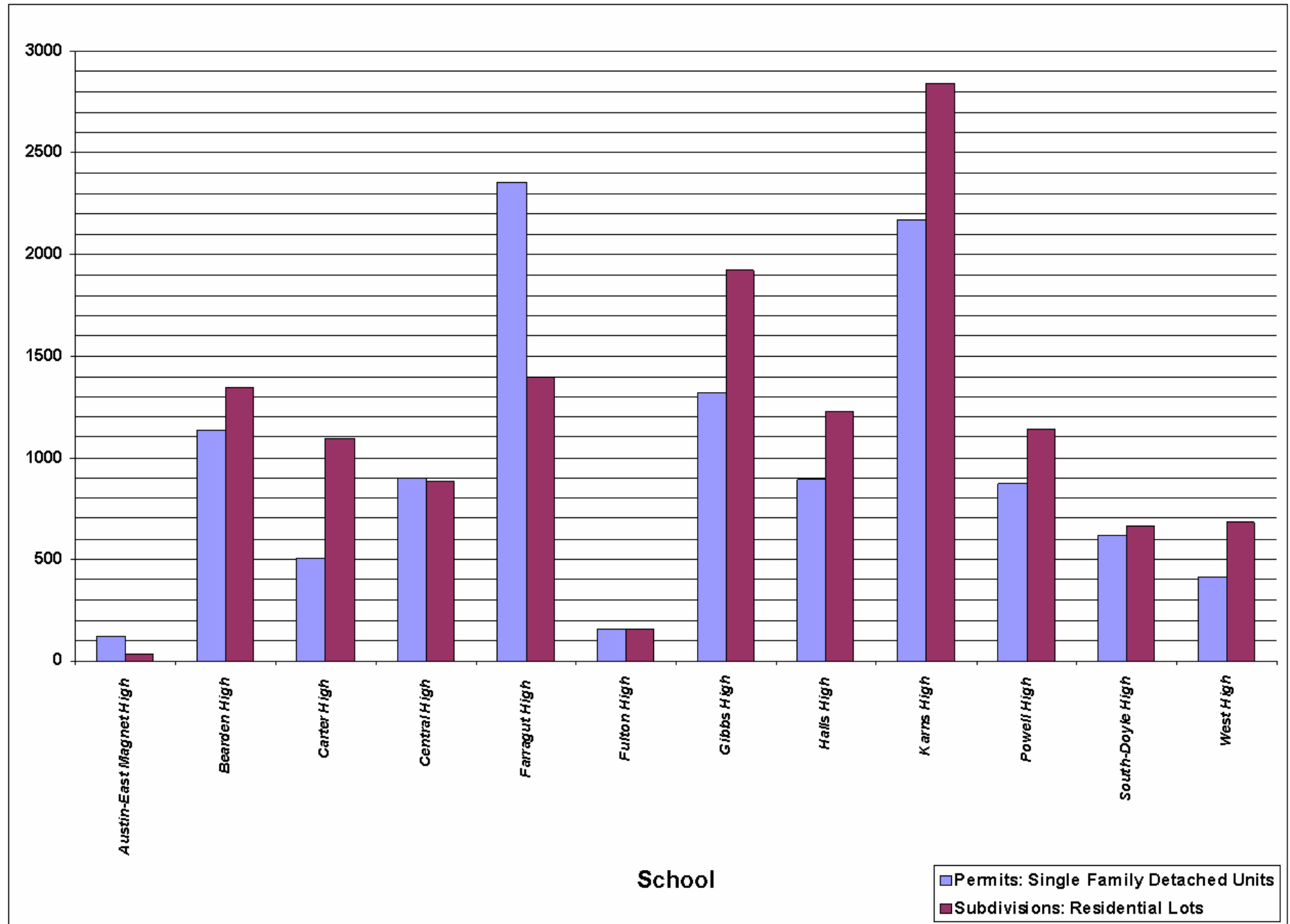


KNOXVILLE-METROPOLITAN PLANNING COMMISSION
MPC
METROPOLITAN
P L A N N I N G
C O M M I S S I O N
T E N N E S S E E

Legend

- 124 - 163
- 164 - 610
- 611 - 1314
- 1315 - 2304

Building Permits: Single Family Detached Units, Subdivisions: Number of Approved Residential Lots, 9/1/2001 - 8/31/2006





Partnership for Education Facilities Assessment

Development Activity Summary for the period between 9/1/2001 and 8/31/2006

School Zone	Building Permits				All Housing Units	Avg Annual HU	Subdiv. Lots	Ranking	
	Multi-Family	Mobile Homes	SFA*	SFD*				All Housing Units	SFD*
Farragut High	21	21	111	2354	2507	509.90	1398	2	1
Karns High	424	182	394	2171	3171	644.95	2840	1	2
Gibbs High	4	162	73	1321	1560	317.29	1922	6	3
Bearden High	78	11	543	1136	1768	359.59	1346	4	4
Central High	401	37	567	899	1904	387.25	885	3	5
Halls High	24	82	261	894	1261	256.47	1226	8	6
Powell High	63	104	229	876	1272	258.71	1144	7	7
South-Doyle High	224	124	133	616	1097	223.12	663	9	8
Carter High	35	214	121	506	876	178.17	1095	10	9
West High	967	13	341	415	1736	353.08	682	5	10
Fulton High	142	21	113	160	436	88.68	159	12	11
Austin-East Magnet High	266	11	150	120	547	111.25	33	11	12



**Partnership for
Education Facilities Assessment**

Enrollment Projections

January 11, 2007



Enrollment Projections: Project Components

- Overview of recent trends in public school enrollment, demographics, and land development, all comprising the basis of an enrollment projection model.
- Ten-year series of enrollment projections for the Knox County Schools system as a whole (moderate, high, and low growth scenarios).
- Ten-year series of school-by-school enrollment projections (moderate, high, and low growth scenarios).



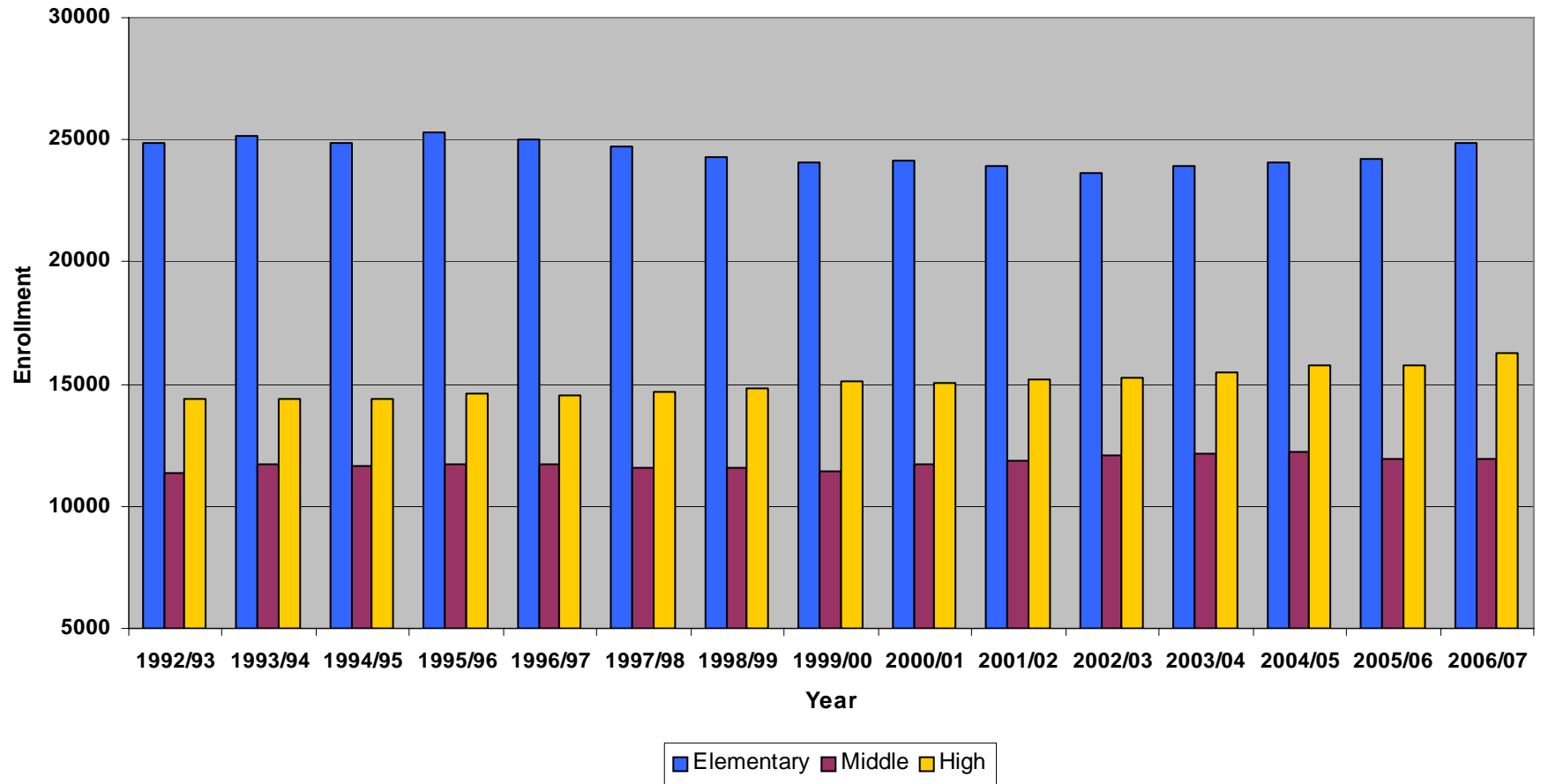
A. Recent Trends

Several factors were evaluated in the development of enrollment projections for public schools:

1. Past and current enrollments.
2. Birth and other demographic trends.
3. Split between public and private education opportunities. Currently 13% of Knox County students are attending private schools.
4. Trends in local development activity.

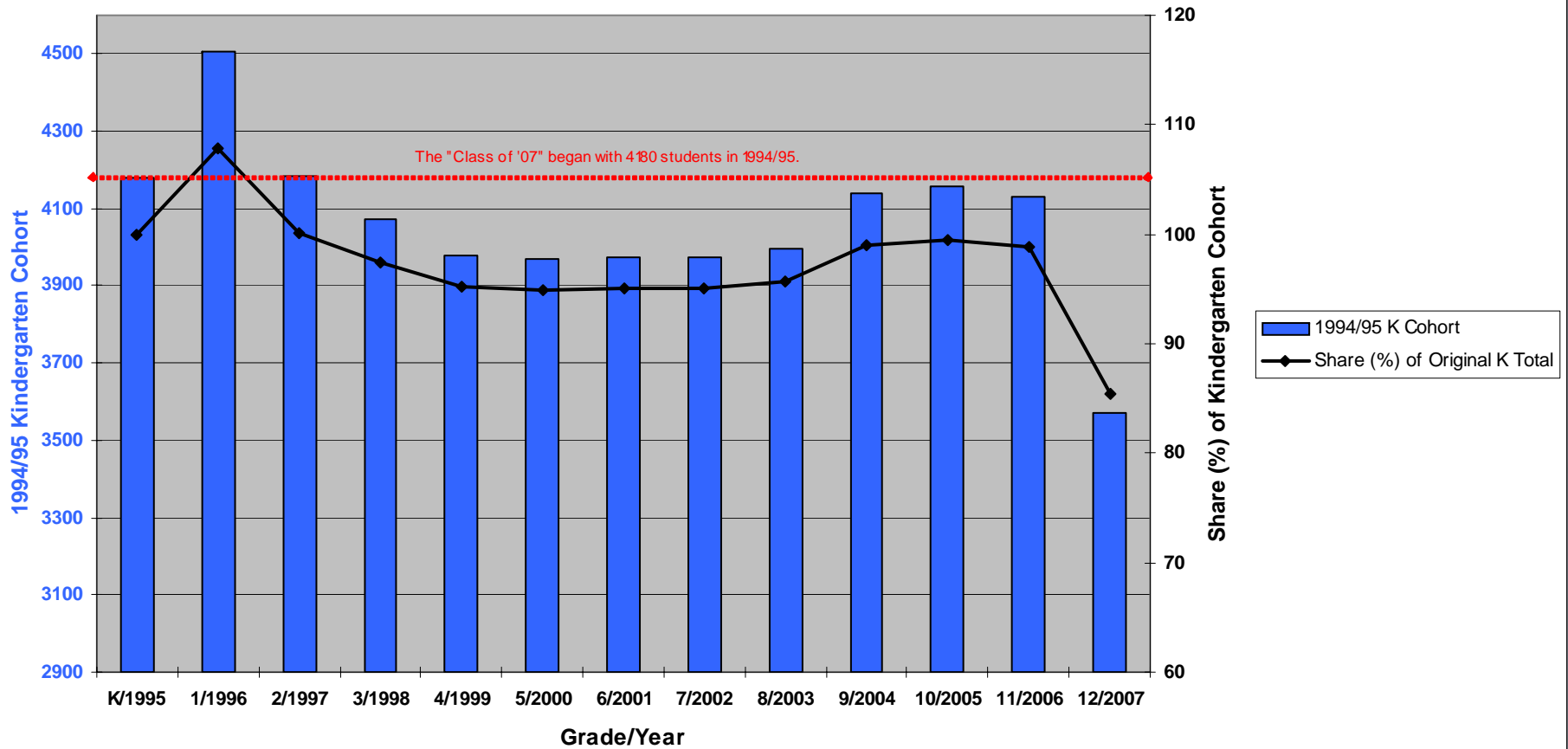


ENROLLMENT BY SCHOOL LEVEL, 1992/93-2006/07





1994/95 KINDERGARTEN COHORT AGED TO GRADE 12 (in 2006/07)





B. 10-Year Enrollment Projections

1. Model Elements:

a) Grade Progression Ratios:

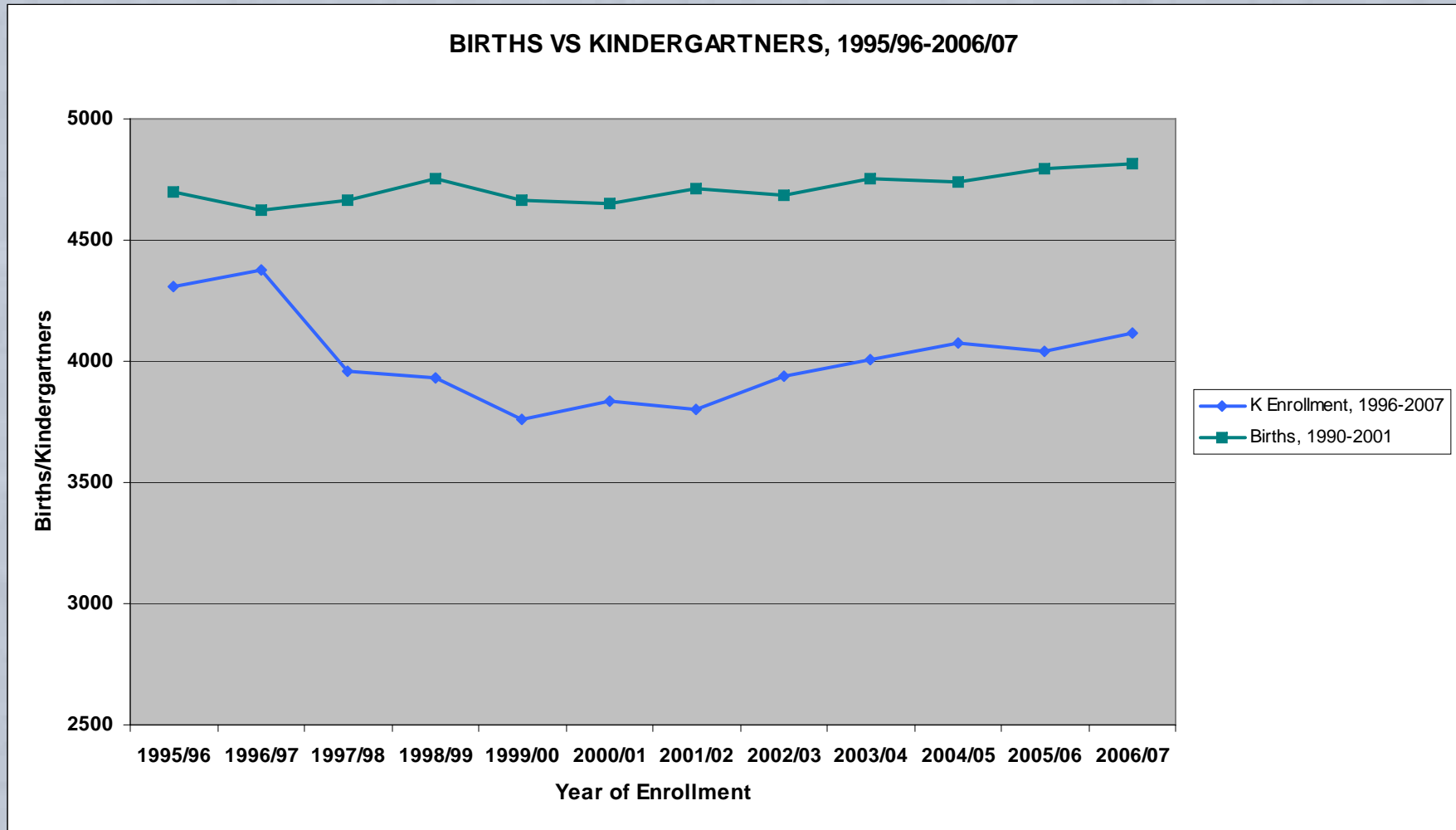
Measure advancement of student *cohort* (selected grade-level of students) through school system from first term of one school year to first term of next year.

b) Births:

- Kindergarten students keep school system populated throughout projection period.
- To forecast kindergartners, local birth figures used.
- Enrollment in kindergarten is function of number of births five years earlier: actual and projected birth figures from 2002 through 2011 tabulated.

c) Kindergarten-to-Birth Ratios:

- Ratio between number of kindergarten students and number of children born five years earlier.
- Ratio less than 1.0 is result of infant mortality, out-migration, and enrollment in private kindergarten.
- Ratio greater than 1.0 is indicative of influx of new residents.





2. Methodology Summary:

The systemwide 10-year school enrollment projection model relied on the following data:

- Actual school enrollment, 2006/07.
- Grade progression ratios, 1992/93-2006/07.
- Actual births, 2002-2004.
- Projected births, 2005-2011.
- Kindergarten-to-birth ratios, 1995/96-2006/07.



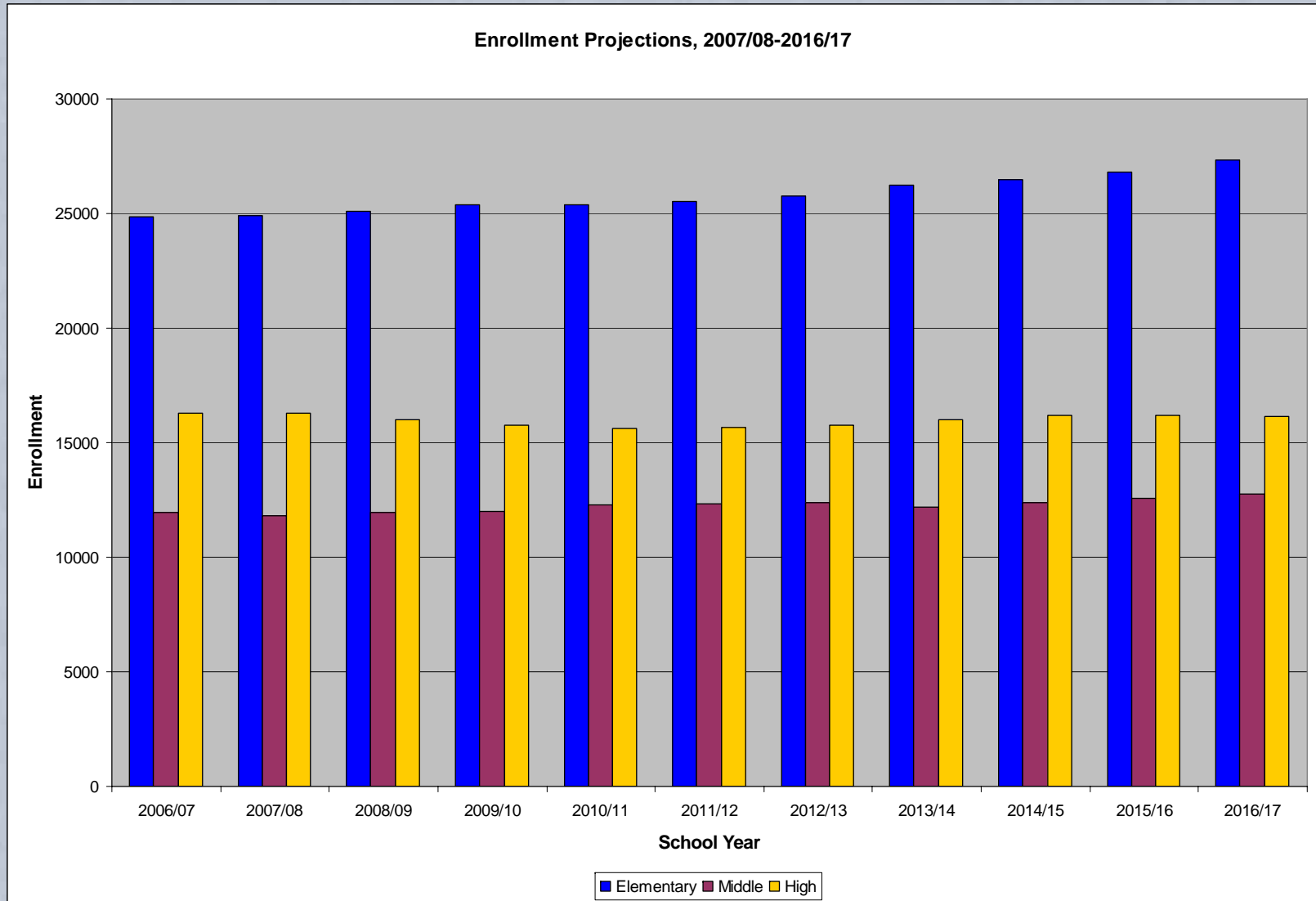
3. The Systemwide Projections:

Presented in the following table and graph are the moderate growth enrollment projections for the Knox County Schools system, 2007/08 through 2016/17.



SYSTEMWIDE ENROLLMENT PROJECTIONS, 2007/08 TO 2016/17 KNOX COUNTY SCHOOLS

School Year	Total	Elementary	Middle	High
<i>Current Enrollment</i>				
2006/07	53090	24838	11947	16305
<i>Projected Enrollment</i>				
2007/08	53030	24900	11831	16299
2008/09	53062	25099	11970	15993
2009/10	53174	25392	12013	15768
2010/11	53300	25368	12306	15625
2011/12	53536	25524	12324	15689
2012/13	53941	25765	12402	15774
2013/14	54412	26235	12169	16008
2014/15	55016	26486	12358	16172
2015/16	55564	26801	12557	16206
2016/17	56221	27335	12761	16125
Net Change, 2006/07-2016/17	3131	2497	814	-180
% Change, 2006/07-2016/17	5.9	10.1	6.8	-1.1





C. School-By-School Enrollment Projections

- School-level projections compiled from *traffic analysis zones* (TAZs), small geographic areas used by Census Bureau and MPC planners to study local demographic activity. Knox County comprised of 433 TAZs.
- TAZs were chosen because their boundaries are very stable, and they readily fit within any school zone definition. Allows historical trend analysis.
- Students were assigned to TAZs based on their home addresses rather than by school currently attended. Unpredictable effects of student transfers were removed.

ELEMENTARY SCHOOL ENROLLMENT, 2006/07-2016/17 - MODERATE GROWTH SCENARIO

SCHOOL NAME	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
A L LOTTS ELEMENTARY	1192	1178	1185	1207	1213	1224	1221	1243	1255	1270	1296
ADRIAN BURNETT ELEMENTARY	568	573	569	567	565	572	575	585	591	598	610
AMHERST ELEMENTARY	674	674	709	738	743	751	732	746	752	761	776
BALL CAMP ELEMENTARY	420	426	441	455	462	462	445	453	458	463	472
BEARDEN ELEMENTARY	402	396	398	400	411	409	405	412	417	422	430
BEAUMONT ELEMENTARY MAGNET	254	240	235	238	227	225	244	249	252	255	260
BELLE MORRIS ELEMENTARY	458	444	446	455	452	455	476	485	489	495	505
BLUE GRASS ELEMENTARY	720	725	716	703	700	706	720	734	741	749	764
BONNY KATE ELEMENTARY	426	429	432	434	426	429	428	436	440	446	455
BRICKEY MCCLOUD ELEMENTARY	890	899	913	928	918	930	925	941	950	961	980
CARTER ELEMENTARY	482	483	485	487	477	490	487	495	500	506	516
CEDAR BLUFF PR/INT	1133	1127	1135	1142	1155	1162	1167	1188	1200	1215	1239
CHRISTENBERRY ELEMENTARY	595	575	595	609	609	642	674	686	693	702	716
COPPER RIDGE ELEMENTARY	726	720	713	720	712	708	729	742	749	758	773
CORRYTON ELEMENTARY	250	250	255	250	249	248	252	257	259	262	268
DOGWOOD ELEMENTARY	551	560	564	560	557	554	590	600	607	614	626
EAST KNOX COUNTY ELEMENTARY	490	490	504	504	504	515	519	528	533	539	550
FARRAGUT PR/INT	1933	2019	2066	2167	2190	2188	2060	2100	2117	2139	2182
FOUNTAIN CITY ELEMENTARY	367	366	360	351	346	352	359	366	369	374	381
GAP CREEK ELEMENTARY	112	113	119	123	128	127	129	131	132	134	136
GIBBS ELEMENTARY	666	668	667	669	672	685	689	701	708	717	731
GREEN ELEMENTARY MAGNET	277	280	283	284	283	297	326	331	335	340	346
HALLS ELEMENTARY	790	798	791	803	814	829	811	826	834	843	860
HARDIN VALLEY	867	876	881	901	895	886	880	896	905	915	934
INSKIP ELEMENTARY	302	299	304	305	302	300	315	321	324	329	335
KARNS ELEMENTARY	1079	1098	1128	1140	1143	1154	1146	1167	1177	1190	1214
LONSDALE ELEMENTARY	263	262	263	271	270	259	272	277	279	282	288
MAYNARD ELEMENTARY	166	172	173	170	167	167	187	191	192	195	199
MOORELAND HEIGHTS ELEMENTARY	239	241	244	240	240	240	250	254	257	260	265
MOUNT OLIVE ELEMENTARY	310	311	301	292	288	293	326	332	335	339	346
NEW HOPEWELL ELEMENTARY	293	302	310	307	301	298	302	307	310	314	320
NORWOOD ELEMENTARY	461	464	460	446	441	446	448	456	460	466	475
PLEASANT RIDGE ELEMENTARY	339	329	327	325	331	333	339	345	348	352	359
POND GAP ELEMENTARY	255	254	249	247	248	246	255	260	263	266	272
POWELL ELEMENTARY	752	750	765	765	763	774	773	788	795	805	821
RITTA ELEMENTARY	410	396	394	401	398	414	415	423	426	431	440
ROCKY HILL ELEMENTARY	664	652	649	660	654	659	668	680	687	695	709
SARAH MOORE GREENE ELEMENTARY M	465	460	465	468	459	443	529	539	544	550	561

ELEMENTARY SCHOOL ENROLLMENT, 2006/07-2016/17 - MODERATE GROWTH SCENARIO

SCHOOL NAME	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
SEQUOYAH ELEMENTARY	364	353	349	352	355	356	347	353	357	361	368
SHANNONDALE ELEMENTARY	367	358	361	375	377	378	375	381	385	390	397
SOUTH KNOXVILLE ELEMENTARY	125	130	131	136	132	138	146	149	151	153	156
SPRING HILL ELEMENTARY	532	533	531	526	513	510	549	558	564	571	582
STERCHI ELEMENTARY	427	437	439	439	436	430	430	438	442	447	456
SUNNYVIEW PR/CHILHOWEE INT	551	577	591	621	627	625	612	623	629	636	649
WEST HAVEN ELEMENTARY	302	296	299	303	309	307	314	319	323	327	333
WEST HILLS ELEMENTARY	691	697	686	693	697	705	701	713	721	729	744
WEST VIEW ELEMENTARY	224	212	206	201	198	195	213	217	220	223	227
All Elementary Schools	24827	24889	25087	25380	25356	25511	25753	26223	26474	26789	27323

MIDDLE SCHOOL ENROLLMENT, 2006/07-2016/17 - MODERATE GROWTH SCENARIO

SCHOOL NAME	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
BEARDEN MIDDLE	1106	1065	1088	1082	1071	1026	1006	991	1016	1054	1070
CARTER MIDDLE	751	731	731	712	742	740	764	738	759	772	785
CEDAR BLUFF MIDDLE	476	452	443	435	415	412	410	410	416	428	434
FARRAGUT MIDDLE	1107	1141	1252	1273	1381	1461	1719	1712	1706	1537	1565
GRESHAM MIDDLE	684	658	680	695	715	722	701	684	687	706	717
HALLS MIDDLE	1014	1028	1057	1054	1081	1041	1056	1025	1054	1059	1076
HOLSTON MIDDLE	729	751	793	828	828	792	775	766	793	817	831
KARNS MIDDLE	1156	1173	1176	1206	1265	1369	1532	1548	1550	1465	1489
NORTHWEST MIDDLE	914	878	892	881	887	881	831	799	792	842	855
POWELL MIDDLE	861	863	817	783	777	778	783	766	788	800	813
SOUTH-DOYLE MIDDLE	1067	1013	991	1026	1080	1078	948	916	932	1041	1057
VINE MIDDLE MAGNET	363	363	394	380	399	368	276	263	273	370	376
WEST VALLEY MIDDLE	1131	1129	1122	1118	1120	1106	1093	1072	1091	1114	1133
WHITTLE SPRINGS MIDDLE	584	581	529	536	541	542	499	473	494	544	552
All Middle Schools	11943	11826	11965	12008	12301	12318	12395	12162	12351	12551	12754

HIGH SCHOOL ENROLLMENT, 2006/07-2016/17 - MODERATE GROWTH SCENARIO

SCHOOL NAME	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
AUSTIN-EAST HIGH MAGNET	835	858	833	820	776	784	774	766	774	605	593
BEARDEN HIGH	1909	1914	1897	1891	1840	1809	1782	1748	1721	1642	1603
CARTER HIGH	950	941	917	896	881	864	852	863	851	880	884
CENTRAL HIGH	1332	1356	1288	1253	1222	1216	1268	1291	1326	1307	1279
FARRAGUT HIGH	2076	2067	2031	2055	2103	2223	2314	2459	2637	2950	3057
FULTON HIGH	1143	1167	1133	1081	1058	1008	975	1006	967	883	852
GIBBS HIGH	1052	1060	1068	1072	1100	1136	1163	1171	1149	1124	1097
HALLS HIGH	1141	1137	1152	1158	1173	1206	1212	1217	1198	1177	1153
KARNS HIGH	2053	2031	2009	1951	1977	1985	2031	2112	2201	2426	2481
POWELL HIGH	1133	1143	1148	1134	1115	1095	1047	1018	992	985	968
SOUTH-DOYLE HIGH	1369	1335	1281	1227	1167	1155	1175	1212	1229	1143	1102
WEST HIGH	1306	1284	1230	1222	1206	1200	1174	1136	1118	1073	1045
All High Schools	16299	16293	15987	15761	15618	15682	15767	15999	16162	16194	16114



**Partnership for
Education Facilities Assessment**

School Enrollments and Capacities

January 11, 2007

HIGH SCHOOL CAPACITY AND CURRENT AVERAGE DAILY MEMBERSHIP (ADM) COMPARISONS

SCHOOL	ADM 2006/07	FLOOR AREA PER STUDENT (SQ. FT.) ¹	FLOOR AREA PER STUDENT SHORTAGE/ SURPLUS (SQ. FT.)	BEP CAPACITY	PROPORTION OF BEP CAPACITY IN USE (%)	FUNCTIONAL CAPACITY	PROPORTION OF FUNC. CAPACITY IN USE (%)	EXCEEDED ²		
								FA	BEP	FUNC
Austin East High	768	348	168	1,486	51.7	1,337	57.4	0	0	0
Bearden High	1,953	129	-51	2,220	88.0	1,998	97.7	FA	B	F3
Carter High	960	197	17	1,418	67.7	1,276	75.2	0	0	0
Central High	1,377	187	7	1,574	87.5	1,417	97.2	0	B	F3
Farragut High	2,162	100	-80	2,533	85.4	2,280	94.8	FA	B	F2
Fulton High	1,035	228	48	1,409	73.5	1,268	81.7	0	0	0
Gibbs High	994	151	-29	1,375	72.3	1,237	80.3	FA	0	0
Halls High	1,185	130	-50	1,560	76.0	1,404	84.4	FA	0	0
Karns High	1,893	95	-85	2,112	89.6	1,901	99.6	FA	B	F3
Powell High	1,211	186	6	1,437	84.2	1,293	93.6	0	0	F2
South-Doyle High	1,350	200	20	1,860	72.6	1,674	80.6	0	0	0
West High	1,421	186	6	1,782	79.7	1,604	88.6	0	0	F1
Total	16,308	163	-17	20,766	78.5	18,689	87.3	FA	0	F1

¹Excludes temporary classroom space in portable buildings.

²Standards: FA = floor area capacity (standard = 180 square feet per student); BEP = Basic Education Program capacity (threshold = 85 percent of total); FUNC = functional capacity (threshold = 85 percent of total).

School is marked FA for floor area standard exceeded, B for BEP threshold exceeded, F1 for 85.0-89.9 percent functional capacity exceeded, F2 for 90.0-94.9 percent exceeded, F3 for 95.0 percent or more functional capacity exceeded.

Compiled by the Knoxville/Knox County Metropolitan Planning Commission using Knox County Schools and Public Building Authority data.

HIGH SCHOOL CAPACITY AND PROJECTED (5-YEAR) ENROLLMENT COMPARISONS

SCHOOL	PROJ. ENROL. 2011/12	FLOOR AREA PER STUDENT (SQ. FT.) ¹	FLOOR AREA PER STUDENT SHORTAGE/ SURPLUS (SQ. FT.)	BEP CAPACITY	PROPORTION OF BEP CAPACITY IN USE (%)	FUNCTIONAL CAPACITY	PROPORTION OF FUNC. CAPACITY IN USE (%)	EXCEEDED ²		
								FA	BEP	FUNC
								Austin East High	784	341
Bearden High	1,809	139	-41	2,220	81.5	1,998	90.5	FA	0	F2
Carter High	864	218	38	1,418	61.0	1,276	67.7	0	0	0
Central High	1,216	212	32	1,574	77.3	1,417	85.8	0	0	F1
Farragut High	2,223	98	-82	2,533	87.8	2,280	97.5	FA	B	F3
Fulton High	1,008	234	54	1,409	71.5	1,268	79.5	0	0	0
Gibbs High	1,136	132	-48	1,375	82.6	1,237	91.9	FA	0	F2
Halls High	1,206	128	-52	1,560	77.3	1,404	85.9	FA	0	F1
Karns High	1,985	91	-89	2,112	94.0	1,901	104.4	FA	B	F3
Powell High	1,095	206	26	1,437	76.2	1,293	84.7	0	0	0
South-Doyle High	1,155	234	54	1,860	62.1	1,674	69.0	0	0	0
West High	1,200	220	40	1,782	67.3	1,604	74.8	0	0	0
Total	15,682	170	-10	20,766	75.5	18,689	83.9	FA	0	0

¹Excludes temporary classroom space in portable buildings.

²Standards: FA = floor area capacity (standard = 180 square feet per student); BEP = Basic Education Program capacity (threshold = 85 percent of total); FUNC = functional capacity (threshold = 85 percent of total).

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Compiled by the Knoxville/Knox County Metropolitan Planning Commission using Knox County Schools and Public Building Authority data.

IMPACTS OF FUTURE BUILDING COMPLETIONS ON SCHOOL SYSTEM CAPACITIES: HIGH SCHOOLS

Analysis	Enrollment	Floor Area¹	Floor Area Per Student	BEP Capacity	BEP Capacity In Use (%)	Functional Capacity	Functional Capacity In Use (%)
Systemwide							
Current	16,308	2,661,530	163	20,766	78.5	18,689	87.3
Forthcoming Additions ²							
Karns		23,450		420		420	
Hardin Valley		257,581		2,100		2,100	
By 2011/12 ³	15,682	2,942,561	188	23,286	67.3	21,209	73.9
By 2016/17	16,114	2,942,561	183	23,286	69.2	21,209	76.0
West County High Schools							
Current							
Total	6,008	648,440	108	6,865	87.5	6,179	97.2
Bearden	1,953	251,576	129	2,220	88.0	1,998	97.7
Farragut	2,162	216,864	100	2,533	85.4	2,280	94.8
Karns	1,893	180,000	95	2,112	89.6	1,901	99.6
Forthcoming Additions							
Total		281,031		2,520		2,520	
Karns		23,450		420		420	
Hardin Valley		257,581		2,100		2,100	
By 2011/12							
Total	6,017	929,471	154	9,385	64.1	8,699	69.2
By 2016/17							
Total	7,141	929,471	130	9,385	76.1	8,699	82.1
Karns							
Current	1,893	180,000	95	2,112	89.6	1,901	99.6
Forthcoming Addition		23,450		420		420	
By January, 2007 ⁴	1,893	203,450	107	2,532	74.8	2,321	81.6

Notes:

¹Excludes temporary classroom space in portable buildings.

²For the purposes of this analysis, it is assumed that the capacity added by building programs at Karns and Hardin Valley will fully accommodate BEP and functional requirements.

³Enrollment projections based on Moderate Growth Scenario developed by PEFA, October, 2006.

⁴Completion of the Karns High School addition is scheduled for December, 2006, with occupancy anticipated for January, 2007.



**Partnership for
Education Facilities Assessment**

Physical Assessment of School Facilities

January 11, 2007



Knox County Schools Physical Assessments

- Approximately 90 facilities were assessed by an architectural firm between 1996 and 1999.
- The same architectural firm re-assessed 43 facilities in 2002.
- PEFA updated the assessments on all school facilities during August and September 2006.

PHYSICAL CONDITIONS ASSESSMENT SUMMARY

8/16/2006

Discipline: **ARCHITECTURE**School: **Bearden Elementary**Building / Space: **1967**

Item	Deficiency Rating	Notes / Remarks
Roof	1	
Walls (exterior)	2	Brick needs repair and has moderate staining due to thru-wall units. Blistering on fascia above exhaust of HVAC units.
Windows	4	Brushed aluminum hopper with escape retrofit, single glazed. Need to be replaced. Breeze sashes in corridor need to be removed.
Exterior Doors	3	Original aluminum doors with single glazing.
Interior Doors	3	Wood door, metal frame with wire glass in nonrated corridor wall with transoms. New lever hardware.
Partitions (interior)	3	Block with "stair step" cracks and water stains. Beams at soffits separating from block.
Floors	4	VAT needs to be replaced throughout. Glazed tile base.
Ceilings	3	2x2 stained/soiled acoustical tile.
Finishes (general)	2	Plaster finish on exterior walls blistering from exhaust of HVAC units. Needs to be redirected.
Codes	4	Nonrated corridor, however, all on one level. Strobes and horns installed.
Accessibility	4	Could be retrofit for accessibility. Toilets are not accessible.
Energy Conservation	4	Original windows and window HVAC units. Attic insulation added through out.
Hazardous Materials	3	V.A.T. on floor needs to be removed.
Fixtures / Furniture / Equipment	2	Older but in fair condition.
Aesthetics	3	Architecture incompatible with original building.
Composite Building / Space Deficiency Rating	3	5 Critical 3 - 4 Significant 0 - 2 Fair to Good

PHYSICAL CONDITIONS ASSESSMENT SUMMARY

8/16/2006

Discipline: **ELECTRICAL**
 School: **Bearden Elementary**
 Building / Space: **1967**

Item	Deficiency Rating	Notes / Remarks
Primary Service	1	Transformer pad mounted in July 2006.
Secondary Service	1	1600 amp, 208V/120. Upgraded in July 2007.
Emergency Power	3	Emergency and exit lights are in good condition throughout with few exceptions. Exit signs and emergency lighting required in Music Room.
Electrical Distribution	3	Panel latches missing. Update panel labeling. Close knockouts on wireways. Panel upgrade in progress.
Branch Circuit Wiring	3	Missing device plates. Upgraded in girls restrooms - west side. Music rooms need circuit upgrades.
Lighting	3	Exterior flood lights need repair. Lighting in halls is poor.
Fire Alarm	2	Provide smoke detectors in storage rooms and janitor's closets. Upgraded in Spring 2006.
Telecom / Auxiliary System	3	Check call in switch heights in classrooms. Old telecom system not connected to Portable building. Old telephone system.
Codes	3	Violation of panel work space. Exposed energized bus, switch heights. No GFI protection.
Accessibility	3	Device mounting heights.
Energy Management System	3	HVAC is locally controlled.
Capacity for Growth	4	Very limited.
Computer Accommodations	2	Building is networked. Internet in most classrooms.
Multimedia Retrieval Accommodations	2	Carts for TVs and VCR's. Cable in all classrooms.
Composite Building / Space Deficiency Rating	3	5 Critical 3 - 4 Significant 0 - 2 Fair to Good

PHYSICAL CONDITIONS ASSESSMENT SUMMARY

8/16/2006

Discipline: **MECHANICAL**
 School: **Bearden Elementary**
 Building / Space: **1967**

Item	Deficiency Rating	Notes / Remarks
HVAC Equipment	2	Bard gas units installed in classrooms. Installed in approximately 2001.
Steam / Water Distribution Systems	n/a	
Controls	3	Wall thermostats installed for each Bard. No EMS connection.
Plumbing , Piping, Fixtures	4	Appear to be adequate but old.
Fire Protection	NO	Not sprinklered, inadequate fire hydrant coverage.
Special Equipment	NA	None observed.
Utilities - Water, Storm Sewer, Sanitary Sewer	4	Original waste/water pipe being used.
Energy Conservation	4	Single pane windows. No EMS. T-12 lamps and magnetic ballast in light fixtures.
Codes	4	Restrooms do not meet ADA codes.
Composite Building / Space Deficiency Rating	4	5 Critical 3 - 4 Significant 0 - 2 Fair to Good

PHYSICAL CONDITIONS ASSESSMENT SUMMARY

8/17/2006

Discipline: **SITE**School: **Bearden Elementary**

Item	Deficiency Rating	Notes / Remarks
Walks	2	Limited amount of walks. Exterior concrete stair in good repair. Walkway canopy added.
Paving	2	Uneven, cracked, yet intact and usable. Existing parking lot capped including new striping.
Drainage	2	No apparent problems with exception between 1947 wing and 1938 auditorium / gym. Asphalt path created behind building for downspout runoff into grassy field behind school.
Signage	4	Significant deficiencies; sign on Kingston Pike covered by trees, single east facing sign indicating access. School not visible due to trees. Sight signage added. One-way thru traffic. Confusion as to location of entry.
Transport / Movement	4	Very restricted movement of service, staff, and visitors; drive is confusing as is circular drop-off; poor sight lines each way along Kingston Pike, very heavy traffic.
Vehicular Access / Vicinity Circulation	4	Very difficult; access by Kingston Pike only, no access from secondary street or signaled intersection. No traffic light at entrance on busy Kingston Pike.
Accessibility (by disabled)	5	Small non-compliant ramp at east entry to 1938. Handicap parking has been designated but is not ideal. Entry into building is non-existent for handicap unless side door is used.
Parking	4	Very limited parking with less than 30 striped spaces on single-loaded lane, various improvised spaces. Parking at rear of building but not easily accessible.
Recreation / Sports	2	Nice greenspace with new playground structures. New basketball goals and posts added. Small amphitheater located behind portables but overgrown with vegetation.
Landscaping	3	Abundance of mature trees. Front landscaping is well groomed. Rear landscaping is not well maintained. Courtyard area with picnic tables is overgrown.
Aesthetics	2	Charm of traditional school building on pleasant site. Dumpsters not in an enclosure. Front is aesthetically pleasing.
Expansion Capabilities / Buildable Area	2	Disposition of athletic fields and Knox Adaptive Center unknown; at grade horizontal expansion may be possible.
Composite Building / Space Deficiency Rating	4	5 Critical 3 - 4 Significant 0 - 2 Fair to Good

PHYSICAL CONDITIONS ASSESSMENT SUMMARY

Discipline: **STRUCTURAL**
 School: **Bearden Elementary**
 Building / Space: **1967**

Item	Deficiency Rating	Notes / Remarks
Foundation	u	u = unable to assess
Slabs	2	Flooring showing some cracking due to settlement below.
Roof Structure	u	
Exterior Walls	1	
Interior Walls	1	No visual problems.
Elevated Floor Structure	2	
Retaining Structures	NA	
Equipment Supports	NA	
Seismic Compliance	5	Does not meet current code for seismic requirements.
Miscellaneous Structures	NA	
Elevator	NA	
Hoisting Equipment and Structure	NA	
Composite Building / Space Deficiency Rating	2	5 Critical 3 - 4 Significant 0 - 2 Fair to Good

Note: Seismic compliance was assessed but not included in the composite building rating.



**KNOX COUNTY SCHOOLS
PHYSICAL ASSESSMENT**



SCHOOL: *BEARDEN ELEMENTARY*

Address: 5717 Kingston Pike

Phone: 909-9000

Year Constructed: 1938

Renovations/Additions: 1947, 1967

Total GSF: 43,510

Site Acreage: 24



ASSESSMENT SUMMARY (Composite Severity By Assessment Category)

Assessment Date: 8/16/2006

Architectural 3.00

Electrical 3.25

Mechanical 4.25

Site 4.00

Structural 2.20

Overall Rating 3.22

Ratings:

- 5 - Critical
- 3 - 4 Significant
- 0 - 2 Fair to Good

Overall Rating is a weighted average of the five category scores:

- Architectural: 40%
- Electrical: 10%
- Mechanical: 20%
- Site: 10%
- Structural: 20%

Review Team:

Arch: A. Classon

Struct: A. Classon

Mech: M. Gregg

Elec: D. Reagan



KNOX COUNTY SCHOOLS
PHYSICAL ASSESSMENT
SUMMARY OF OVERALL RATINGS



SCHOOL	RATING
Carter Elementary	3.30
Bearden Elementary	3.22
New Hopewell Elementary	3.03
Karns Elementary	2.95
Sequoyah Elementary	2.94
Mooreland Heights Elementary	2.90
Fountain City Elementary	2.87
Corryton Elementary	2.85
Adrian Burnett Elementary	2.80
Lonsdale Elementary	2.80
Shannondale Elementary	2.75
Ball Camp Elementary	2.70
Cedar Bluff Intermediate	2.70
Chilhowee Intermediate	2.70
Beaumont Elementary and Magnet Academy	2.67
Maynard Elementary	2.63
Carter High	2.62
Karns High	2.60
Norwood Elementary	2.60
Pond Gap Elementary	2.60
Sterchi Elementary	2.60
West Haven Elementary	2.60
Vine Magnet Middle	2.60
Gibbs Elementary	2.60
South-Doyle High	2.57
Carter Middle	2.57
Gap Creek Elementary	2.55
Gibbs High	2.53
West View Elementary	2.53
Belle Morris Elementary	2.50
Gresham Middle	2.50
West High	2.50
Whittle Springs Middle	2.50
Central High	2.47
Spring Hill Elementary	2.46

Ratings: 5 Critical 3-4 Significant 0-2 Fair to Good



KNOX COUNTY SCHOOLS
PHYSICAL ASSESSMENT
SUMMARY OF OVERALL RATINGS



SCHOOL	RATING
Cedar Bluff Primary	2.45
Copper Ridge Elementary	2.40
Dogwood Elementary	2.40
Inskip Elementary	2.40
Mount Olive Elementary	2.40
Northwest Middle	2.40
Pleasant Ridge Elementary	2.40
South-Doyle Middle	2.40
Bearden High	2.37
Cedar Bluff Middle	2.32
Sunnyview Primary	2.30
Farragut Intermediate	2.30
South Knoxville Elementary	2.30
Halls High	2.28
Green Magnet Math and Science Academy	2.25
Farragut High	2.21
Farragut Middle	2.20
Powell Elementary	2.20
West Hills Elementary	2.17
Powell High	2.14
Bonny Kate Elementary	2.10
East Knox Elementary	2.10
Halls Middle	2.10
Sarah Moore Greene Magnet Technology	2.10
Blue Grass Elementary	2.07
Rocky Hill Elementary	2.07
Austin-East Magnet High	2.07
Fulton High	2.03
Holston Middle	2.02
Bearden Middle	2.00
Farragut Primary	1.80
Powell Middle	1.80
Ritta Elementary	1.70
Halls Elementary	1.67
Christenberry Elementary	1.60

Ratings: 5 Critical 3-4 Significant 0-2 Fair to Good



KNOX COUNTY SCHOOLS
PHYSICAL ASSESSMENT
SUMMARY OF OVERALL RATINGS



SCHOOL	RATING
AL Lotts Elementary	1.40
Kams Middle	1.40
Hardin Valley Elementary	1.30
West Valley Middle	1.30
Brickey-McCloud Elementary	0.70
Amherst Elementary	0.60

Ratings: 5 Critical 3-4 Significant 0-2 Fair to Good

PARTNERSHIP FOR EDUCATION FACILITIES ASSESSMENT
PUBLIC BUILDING AUTHORITY * KNOX COUNTY SCHOOLS * METROPOLITAN PLANNING COMMISSION



KNOX COUNTY SCHOOLS
PHYSICAL ASSESSMENT
SUMMARY OF OVERALL RATINGS



NON-TRADITIONAL SCHOOLS AND OTHER FACILITIES

SCHOOL	RATING
Byington-Solway Technology Center	3.00
Eastport School	3.80
Fair Garden Community Service Center	2.53
Fifth Avenue Annex	3.17
Fort Sanders Development Center	2.20
General Services Building	3.30
Knoxville Adaptive Education Center	3.13
Lincoln Park Evening Trades School	3.17
North Knox Vocational Center	2.20
Oakwood School (Teacher Supply Depot)	3.30
Old South Middle (Sarah Simpson Tech Center)	1.73
Richard Yoakley School	2.73
Ridgedale Alternative School	2.80
Sam E. Hill Early Childhood Center	2.80

Ratings: 5 Critical 3-4 Significant 0-2 Fair to Good

CAPACITY AND PHYSICAL ASSESSMENT CHALLENGES: PRIORITY NEEDS
October 31, 2006

Select priorities:		Weight (%)	Rate	Scoring
		(Must add to 100%)	Capacity/Physical	Multiplier
<input type="checkbox"/> Add scenario	Factor	100	100	0.0000
<input type="checkbox"/> Set priorities	Current capacity	0	0	0.0000
<input type="checkbox"/> Reset sheet	Physical assessment	0	0	0.0000
	Total	100		
		Done		

CC=100
C5=0
C10=0
PA=0

RANK	SCHOOL	2006-2007 CAPACITY SCORE	2011-2012 CAPACITY SCORE	2016-2017 CAPACITY SCORE	PHYSICAL ASSESSMENT SCORE	100.0 SCENARIO SCORE-RANK
1	Kato High	11	11	11	2.60	100.00 - 1
2	Belle Morn Elementary	11	11	11	2.50	100.00 - 2
3	Barden High	11	7	7	2.37	100.00 - 3
4	Powell Middle	11	5	5	1.80	100.00 - 4
5	Shamondale Elementary	11	9	11	2.75	100.00 - 5
6	Pond Gap Elementary	11	11	11	2.65	100.00 - 6
7	Farragut Primary	11	11	11	1.80	100.00 - 7
8	Farragut Intermediate	11	11	11	2.30	100.00 - 8
9	Bridley-McCloud Elementary	11	11	11	0.70	100.00 - 9
10	A. L. Little Elementary	11	11	11	1.40	100.00 - 10
11	Central High	10	4	6	2.47	090.91 - 11
12	Maynard Elementary	10	10	10	2.63	090.91 - 12
13	Hardin Valley Elementary	10	10	11	1.30	090.91 - 13
14	Farragut High	9	11	11	2.21	081.82 - 14
15	Halls Middle	9	11	11	2.10	081.82 - 15
16	Gresham Middle	9	9	9	2.50	081.82 - 16
17	Farragut Middle	9	11	11	2.20	081.82 - 17
18	Spring Hill Elementary	9	7	11	2.48	081.82 - 18
19	Halls Elementary	9	11	11	1.07	081.82 - 19
20	Golden Elementary	9	11	11	2.60	081.82 - 20
21	Adrian Burnett Elementary	9	9	9	2.95	081.82 - 21
22	Holtzman Middle	9	10	11	2.02	072.73 - 22
23	Kato Elementary	8	10	11	2.95	072.73 - 23
24	Bonny Kate Elementary	7	9	11	2.10	063.64 - 24
25	Kato Middle	7	11	11	1.40	063.64 - 25
26	Rocky Hill Elementary	7	7	9	2.07	063.64 - 26
27	Norwood Elementary	7	3	7	2.60	063.64 - 27
28	New Hopewell Elementary	7	9	11	3.03	063.64 - 28
29	Cedar Bluff Intermediate	7	7	7	2.70	063.64 - 29
30	Powell High	6	0	0	2.14	054.55 - 30
31	Beaumont Elementary	6	0	0	2.07	054.55 - 31
32	Sequoyah Elementary	6	0	2	2.94	054.55 - 32
33	West High	4	0	0	2.50	036.36 - 33
34	Lonsdale Elementary	4	8	10	2.80	036.36 - 34
35	Blue Grass Elementary	3	3	3	2.07	027.27 - 35
36	West Valley Middle	3	3	3	1.30	027.27 - 36
37	Barden Middle	3	1	1	2.00	027.27 - 37
38	Barden Elementary	3	11	11	3.21	027.27 - 38
39	West Hills Elementary	3	7	7	2.17	027.27 - 39
40	Sunnyview Primary	3	3	7	2.30	027.27 - 40
41	Ball Camp Elementary	3	7	9	2.70	027.27 - 41
42	Powell Elementary	3	3	5	2.25	027.27 - 42
43	Mount Olive Elementary	3	3	11	2.40	027.27 - 43
44	Fourteen City Elementary	3	1	1	2.87	027.27 - 44
45	Copper Ridge Elementary	3	11	11	2.40	027.27 - 45
46	Cedar Bluff Primary	3	9	11	2.45	027.27 - 46
47	Carter Elementary	3	7	9	3.30	027.27 - 47
48	Rita Elementary	2	2	2	1.70	018.18 - 48
49	East Knox Elementary	2	7	7	2.10	018.18 - 49
50	Halls High	1	5	1	2.28	009.09 - 50
51	Golden High	1	7	5	2.53	009.09 - 51
52	White Springs Middle	1	1	1	2.50	009.09 - 52
53	Cedar Bluff Middle	1	0	0	3.32	009.09 - 53
54	Carter Middle	1	7	7	2.57	009.09 - 54
55	West Haven Elementary	1	3	7	2.60	009.09 - 55
56	Storch Elementary	1	11	11	2.00	009.09 - 56
57	Pleasant Ridge Elementary	1	1	1	2.40	009.09 - 57
58	Mooreland Heights Elementary	1	1	1	2.90	009.09 - 58
59	Coryton Elementary	1	7	11	2.85	009.09 - 59
60	South-Coyle High	0	0	0	2.57	000.00 - 60
61	Fulton High	0	0	0	2.03	000.00 - 61
62	Carter High	0	0	0	2.62	000.00 - 62
63	Austin East High	0	0	0	2.07	000.00 - 63
64	Vine Middle	0	0	0	2.60	000.00 - 64
65	South-Coyle Middle	0	0	0	2.40	000.00 - 65
66	Northwest Middle	0	0	0	2.40	000.00 - 66
67	West View Elementary	0	0	0	2.53	000.00 - 67
68	South Knoxville Elementary	0	0	0	2.30	000.00 - 68
69	Smith Moore Greene Elementary	0	0	0	2.10	000.00 - 69
70	Amherst Elementary	0	0	0	0.60	000.00 - 70
71	Inskip Elementary	0	0	0	2.40	000.00 - 71
72	Green Elementary	0	0	0	2.25	000.00 - 72
73	Gap Creek Elementary	0	1	3	2.55	000.00 - 73
74	Dogwood Elementary	0	0	0	2.40	000.00 - 74
75	Christenberry Elementary	0	9	11	1.60	000.00 - 75
76	Chilhowee Intermediate	0	8	8	2.70	000.00 - 76

Highlighted facilities: Major construction projects underway or nearing completion.

CAPACITY AND PHYSICAL ASSESSMENT CHALLENGES: PRIORITY NEEDS

October 31, 2006

- Select priorities:
- Add scenario
 - Sort priorities
 - Reset sheet

Factor	Weight (%) (Must add to 100%)	Ratio Capacity/Physical	Scoring Multiplier
Current capacity	0	100	0.0000
5-year capacity	100	0	0.0000
10-year capacity	0	0	0.0000
Physical assessment	0	0	0.0000
Total	100		

CC=0
C5=100
C10=0
PA=0

RANK	SCHOOL	2008-2007 CAPACITY SCORE	2011-2012 CAPACITY SCORE	2016-2017 CAPACITY SCORE	PHYSICAL ASSESSMENT SCORE	100.0 SCENARIO SCORE-RANK
1	Brocky-McCloud Elementary	11	11	11	0.70	100.00 - 1
2	Farragut Intermediate	11	11	11	2.30	100.00 - 2
3	Farragut Primary	11	11	11	1.80	100.00 - 3
4	Storch Elementary	11	11	11	3.80	100.00 - 4
5	Copper Ridge Elementary	3	11	11	2.40	100.00 - 5
6	Bearden Elementary	3	11	11	3.22	100.00 - 6
7	Kams Middle	7	11	11	1.40	100.00 - 7
8	Gibbs Elementary	9	11	11	2.00	100.00 - 8
9	Belle Morn Elementary	11	11	11	2.50	100.00 - 9
10	Halls Elementary	9	11	11	1.67	100.00 - 10
11	Farragut Middle	9	11	11	2.20	100.00 - 11
12	Halls Middle	9	11	11	2.10	100.00 - 12
13	Farragut High	9	11	11	2.21	100.00 - 13
14	A. L. Lott Elementary	11	11	11	1.40	100.00 - 14
15	Kams High	11	11	11	2.00	100.00 - 15
16	Kams Elementary	8	10	11	2.95	090.91 - 16
17	Holston Middle	8	10	11	2.02	090.91 - 17
18	Hardin Valley Elementary	10	10	11	1.50	090.91 - 18
19	Maynard Elementary	10	10	10	2.03	090.91 - 19
20	Chatsbury Elementary	0	9	11	1.60	081.82 - 20
21	Shannondale Elementary	11	9	11	2.75	081.82 - 21
22	Cedar Bluff Primary	3	9	11	2.45	081.82 - 22
23	New Hopewell Elementary	7	9	11	3.03	081.82 - 23
24	Bunny Kate Elementary	7	9	11	2.10	081.82 - 24
25	Crestham Middle	9	9	9	2.50	081.82 - 25
26	Chilhowee Intermediate	0	8	9	2.70	072.73 - 26
27	Lonsdale Elementary	1	8	10	2.90	072.73 - 27
28	Collinon Elementary	1	7	11	2.05	063.64 - 28
29	Gibbs High	1	7	5	2.53	063.64 - 29
30	Carter Elementary	3	7	9	3.30	063.64 - 30
31	Ball Camp Elementary	3	7	9	3.70	063.64 - 31
32	West Hills Elementary	3	7	7	2.17	063.64 - 32
33	Bearden High	11	7	1	2.37	063.64 - 33
34	Rocky Hill Elementary	7	7	9	2.07	063.64 - 34
35	Spring Hill Elementary	9	7	11	2.48	063.64 - 35
36	Anhalt Elementary	0	6	6	0.60	054.55 - 36
37	Halls High	1	5	1	2.28	045.45 - 37
38	Powell Middle	11	5	7	1.80	045.45 - 38
39	Central High	10	4	6	2.47	036.36 - 39
40	West Haven Elementary	1	3	7	2.60	027.27 - 40
41	Mount Olive Elementary	3	3	11	2.40	027.27 - 41
42	Powell Elementary	3	3	3	2.20	027.27 - 42
43	Sunview Primary	3	3	7	2.30	027.27 - 43
44	West Valley Middle	3	3	3	1.30	027.27 - 44
45	Blue Grass Elementary	3	3	3	2.07	027.27 - 45
46	Norwood Elementary	7	3	7	2.80	027.27 - 46
47	East Knox Elementary	2	2	7	3.10	018.18 - 47
48	Ritta Elementary	2	2	2	1.70	018.18 - 48
49	Gap Creek Elementary	0	1	3	2.55	009.09 - 49
50	Pond Gap Elementary	11	1	1	2.60	009.09 - 50
51	Moonland Heights Elementary	1	1	1	2.90	009.09 - 51
52	Pheasant Ridge Elementary	1	1	1	2.40	009.09 - 52
53	Carter Middle	1	1	7	2.57	009.09 - 53
54	White Springs Middle	1	1	1	2.50	009.09 - 54
55	Fountain City Elementary	3	1	1	2.87	009.09 - 55
56	Bearden Middle	3	1	1	2.00	009.09 - 56
57	Cedar Bluff Intermediate	7	1	1	2.70	009.09 - 57
58	Adrian Burnett Elementary	9	1	9	2.00	009.09 - 58
59	Dogwood Elementary	0	0	0	2.40	000.00 - 59
60	Green Elementary	0	0	0	2.35	000.00 - 60
61	Inskip Elementary	0	0	0	2.40	000.00 - 61
62	Sarah Moore Greene Elementary	0	0	0	2.10	000.00 - 62
63	South Knoxville Elementary	0	0	3	2.30	000.00 - 63
64	West View Elementary	0	0	9	2.50	000.00 - 64
65	Northwest Middle	0	0	0	2.40	000.00 - 65
66	South-Doyle Middle	0	0	0	2.40	000.00 - 66
67	Vine Middle	0	0	0	2.60	000.00 - 67
68	Austin East High	0	0	0	2.07	000.00 - 68
69	Carter High	0	0	0	2.62	000.00 - 69
70	Fulton High	0	0	0	2.05	000.00 - 70
71	South-Doyle High	0	0	0	2.57	000.00 - 71
72	Cedar Bluff Middle	1	0	0	2.32	000.00 - 72
73	West High	4	0	0	2.50	000.00 - 73
74	Sequoyah Elementary	8	0	2	2.94	000.00 - 74
75	Beaumont Elementary	8	0	0	2.67	000.00 - 75
76	Powell High	8	0	0	2.14	000.00 - 76

Highlighted facilities: Major construction projects underway or nearing completion.

CAPACITY AND PHYSICAL ASSESSMENT CHALLENGES: PRIORITY NEEDS
October 31, 2006

- Select priorities:
- Add scenario
 - Get priorities
 - Reset sheet

Factor	Weight (%) (Must add to 100%)	Ratio Capacity/Physical	Scoring Multiplier
Current capacity	0	100	0.0000
5-year capacity	0	0	0.0000
10-year capacity	100	0	0.0000
Physical assessment	0	0	0.0000
Total	100		

CC=0
CS=0
C10=100
PA=0

RANK	SCHOOL	2006-2007 CAPACITY SCORE	2011-2012 CAPACITY SCORE	2016-2017 CAPACITY SCORE	PHYSICAL ASSESSMENT SCORE	100.0 SCENARIO SCORE-RANK
1	Belle Moris Elementary	11	11	11	2.50	100.00 - 1
2	Gibbs Elementary	9	11	11	2.00	100.00 - 2
3	Kama Middle	7	11	11	1.40	100.00 - 3
4	Bearden Elementary	3	11	11	3.22	100.00 - 4
6	Copper Ridge Elementary	3	11	11	2.40	100.00 - 5
6	Mount Olive Elementary	3	3	11	2.40	100.00 - 6
7	Stenhi Elementary	1	11	11	2.00	100.00 - 7
8	Spring Hill Elementary	3	7	11	2.48	100.00 - 8
9	Farragut Primary	11	11	11	1.00	100.00 - 9
10	Compton Elementary	1	7	11	2.95	100.00 - 10
11	Bonny Kate Elementary	7	9	11	2.10	100.00 - 11
12	New Hopewell Elementary	7	9	11	3.03	100.00 - 12
13	Cedar Bluff Primary	3	9	11	2.45	100.00 - 13
14	Shannondale Elementary	11	9	11	2.75	100.00 - 14
15	Chotzebary Elementary	0	9	11	1.80	100.00 - 15
16	Farragut Intermediate	11	11	11	2.30	100.00 - 16
17	Hardin Valley Elementary	10	10	11	1.30	100.00 - 17
18	Holston Middle	8	10	11	2.02	100.00 - 18
19	Kama Elementary	8	10	11	2.95	100.00 - 19
20	Kama High	11	11	11	2.00	100.00 - 20
21	A.L. Lotts Elementary	11	11	11	1.40	100.00 - 21
22	Farragut High	9	11	11	2.21	100.00 - 22
23	Halls Middle	9	11	11	2.10	100.00 - 23
24	Farragut Middle	9	11	11	2.20	100.00 - 24
25	Halls Elementary	9	11	11	1.67	100.00 - 25
26	Bonley-McCloud Elementary	11	11	11	0.70	100.00 - 26
27	Lonsdale Elementary	4	8	10	2.00	090.31 - 27
28	Maynard Elementary	10	10	10	2.03	090.31 - 28
29	West View Elementary	0	0	0	2.53	081.82 - 29
30	Adrian Burnett Elementary	9	1	9	2.90	081.82 - 30
31	Rosky Hill Elementary	7	7	9	2.07	081.82 - 31
32	Ball Camp Elementary	3	7	9	2.70	081.82 - 32
33	Carter Elementary	3	7	9	3.30	081.82 - 33
34	Gresham Middle	9	9	9	2.50	081.82 - 34
36	Chilhowee Intermediate	0	8	8	2.70	072.73 - 36
36	Cedar Bluff Intermediate	7	1	7	2.70	063.64 - 36
37	Carter Middle	1	1	7	2.57	063.64 - 37
38	East Knox Elementary	2	2	7	2.10	063.64 - 38
39	Newwood Elementary	7	3	7	2.60	063.64 - 39
40	Sunnyview Primary	3	3	7	2.30	063.64 - 40
41	West Haven Elementary	1	3	7	2.00	063.64 - 41
42	Powell Middle	11	5	7	1.90	063.64 - 42
43	West Hill Elementary	3	7	7	2.17	063.64 - 43
44	Central High	10	4	0	2.47	054.55 - 44
45	Amherst Elementary	0	0	0	0.00	054.55 - 45
46	Gibbs High	1	7	5	2.53	045.45 - 46
47	Gap Creek Elementary	0	1	3	2.55	027.27 - 47
48	Blue Grass Elementary	3	3	3	2.07	027.27 - 48
49	West Valley Middle	3	3	3	1.30	027.27 - 49
50	Powell Elementary	3	3	3	2.20	027.27 - 50
51	Sequoyah Elementary	0	0	2	2.94	018.18 - 51
52	South Knoxville Elementary	0	0	2	2.30	018.18 - 52
53	Riba Elementary	2	2	2	1.70	018.18 - 53
54	Bearden Middle	3	1	1	2.00	009.09 - 54
55	Fourtan City Elementary	3	1	1	2.87	009.09 - 55
56	White Springs Middle	1	1	1	2.50	009.09 - 56
57	Pleasant Ridge Elementary	1	1	1	2.40	009.09 - 57
58	Mooreland Heights Elementary	1	1	1	2.90	009.09 - 58
59	Pond Gap Elementary	11	1	1	2.00	009.09 - 59
60	Halls High	1	5	1	2.28	009.09 - 60
61	Bearden High	11	7	1	2.37	009.09 - 61
62	Powell High	0	0	0	2.14	000.00 - 62
63	Beaumont Elementary	0	0	0	2.07	000.00 - 63
64	West High	4	0	0	2.50	000.00 - 64
66	Cedar Bluff Middle	1	0	0	2.32	000.00 - 66
66	South-Doyle High	0	0	0	2.57	000.00 - 66
67	Fulton High	0	0	0	2.03	000.00 - 67
68	Carter High	0	0	0	2.62	000.00 - 68
69	Austin East High	0	0	0	2.07	000.00 - 69
70	Vine Middle	0	0	0	2.00	000.00 - 70
71	South-Doyle Middle	0	0	0	2.40	000.00 - 71
72	Northwest Middle	0	0	0	2.40	000.00 - 72
73	Sarah Moore Greene Elementary	0	0	0	2.10	000.00 - 73
74	Irish Elementary	0	0	0	2.40	000.00 - 74
75	Green Elementary	0	0	0	2.28	000.00 - 75
76	Dogwood Elementary	0	0	0	2.43	000.00 - 76

Highlighted facilities: Major construction projects underway or nearing completion.



Phase 2 of PEFA Work

November 1, 2006-June 30, 2007

1. Enrollment Projection Automation

Enhance MPC's enrollment projection model by developing a series of tools to automate the generation/update of 10-year forecasts.

2. Rankings of Fastest Growing School Zones

Develop an access-restricted KGIS application showing land development activity summaries by school zones using variables such as building permits, subdivision lots, and projected enrollments.



Phase 2 of PEFA Work

November 1, 2006-June 30, 2007

3. Enrollment Impact Assessment Tool

Develop a case review tool for MPC planners to evaluate impacts of proposed residential development on local schools. The tool will help planners estimate the potential number of school-age students added to the public school system as a result of large-scale rezoning and subdivision requests.



Phase 2 of PEFA Work

November 1, 2006-June 30, 2007

4. Map of Potential School Sites

Continually update the potential school sites model to eliminate sites with recent rezonings, subdivision (concept) plans, and building permit activity.

5. Subdivision Build-Out Tool

Develop a summary of vacant lots within platted residential subdivisions.



Summary - Mayor Ragsdale

- System Wide Enrollment Growth: Over the past 15 years, total enrollment in regular day classes has been stable. The system has only had an average fluctuation of 1.4%.
- The data indicates that there is not a system wide capacity problem, but a geographical zoning issue. Due to funding constraints it may be necessary to focus on geographical zoning boundaries.
- Need to focus on schools that exceed capacity, but also schools that are excessively under capacity should be reviewed for potential closure.



Summary

- **Capital Funding Priorities:** Based on the study the following schools are the highest priorities for capital resources:
 - Carter Elementary
 - New Southwest Elementary
 - Bearden Elementary
 - Dogwood Elementary
 - New Hardin Valley Middle
 - Bluegrass Elementary
 - Brickey-McCloud Elementary
 - New Hopewell Elementary
 - Copper Ridge Elementary
 - Central High

- Proposed closing of South Knoxville and Gap Creek Elementary.



Summary

- The assessment data and presentation can be downloaded at www.knoxmpc.org.

pefa