

# Select Committee on Public School Accountability

Presented by Paul T. Haerberlen

June 16, 2008

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File: 888801-080609-01

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## **Select Committee on Public School Accountability**

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### **Establishing and Maintaining a Performance-Based Public Education Accountability System**

(SB 1031)

#### **The Select Committee Must Determine:**

**“... the extent to which the accountability system fairly and accurately reports the effectiveness of educators, instructional programs, support services, and financial expenditures and the impact of these elements on student achievement.”**

**“... the extent to which the accountability system considers the different student demographics of districts and campuses.”**

### **Public Education Accountability Framework**

#### **Effective Accountability Must Let Organizations Know**

**How Well They Are Doing**

**How Does That Vary From What Was Expected**

**If And Where Improvement Are Necessary**

**What Organizations Are Models For Improvement Strategies**

**How Well They Are Doing**

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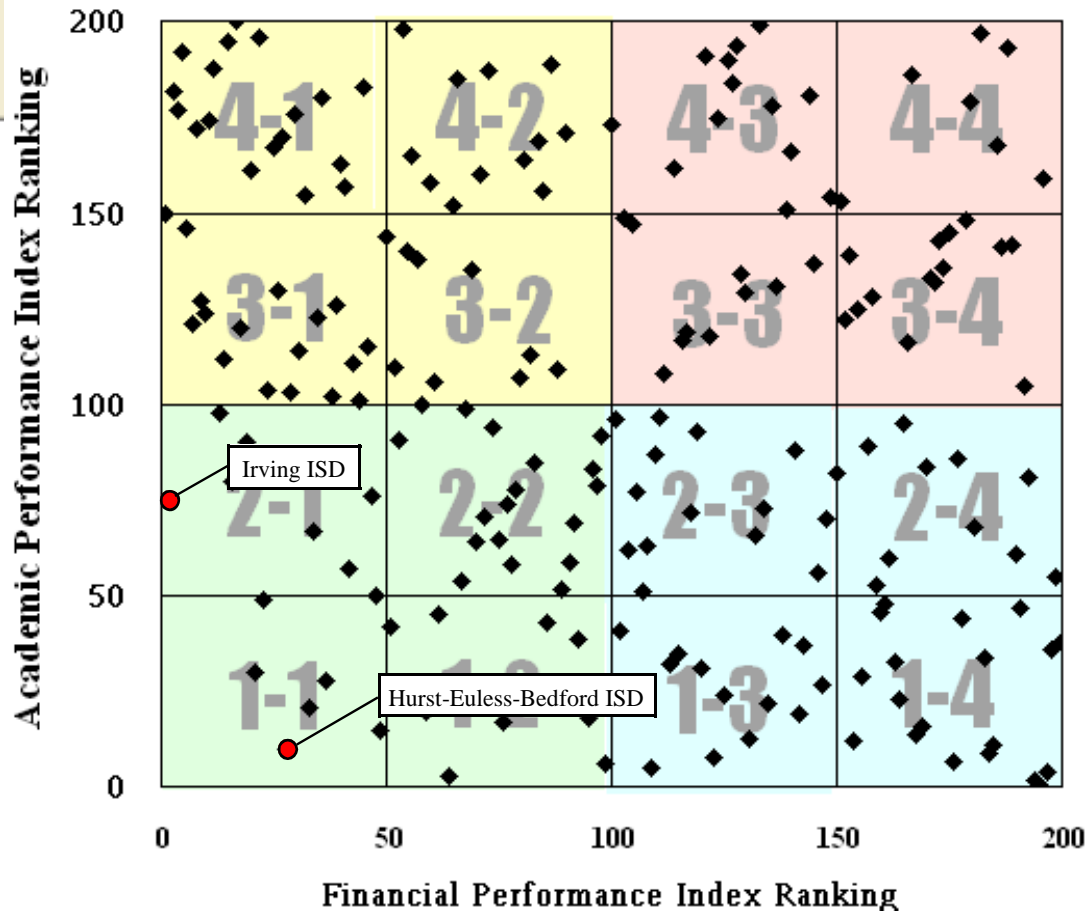
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## ERG Best Practice Matrix

(2006-2007 School Year)



### ERG Best Practice Matrix

- Includes the 200 Largest Public School Districts
- All Results Are Adjusted for Student Demographics
- Each District's Academic and Financial Performance is Ranked
- Those Rankings Are Plotted in the Matrix
- The Lower Left-Hand Corner Represents the Highest Value
- The Upper Right-Hand Represents the Lowest Value

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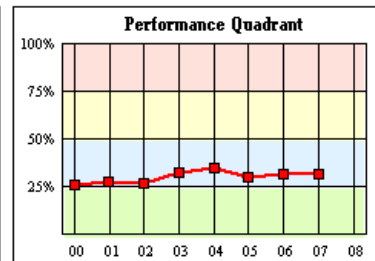
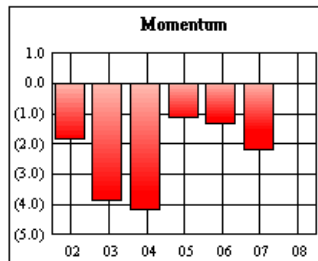
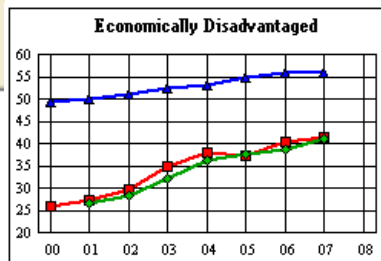
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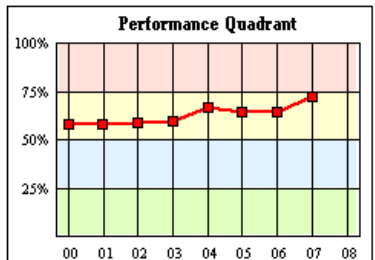
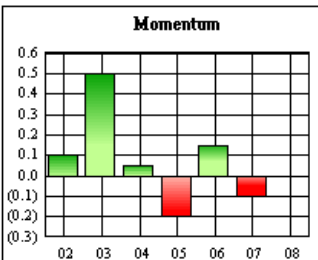
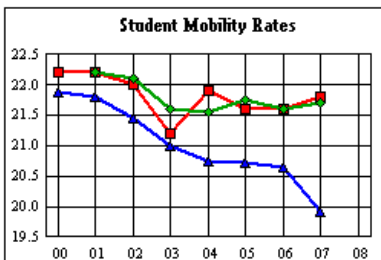
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## Student Demographics Longitudinal Analysis

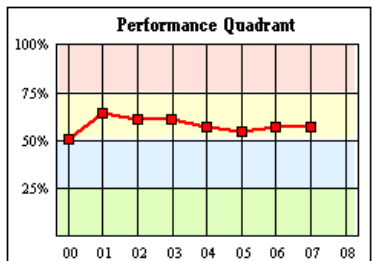
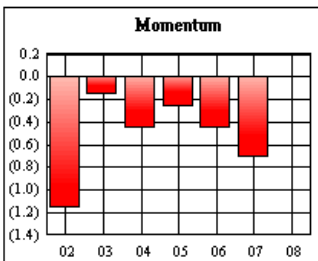
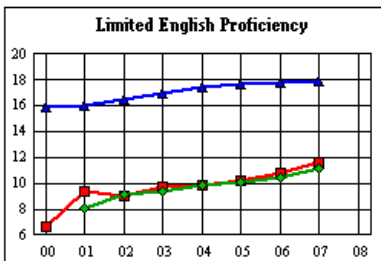
Hurst-Eules-Bedford Independent School District



Metric Ranked in Ascending Order	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Economically Disadvantaged</b>	26.1	27.4	29.7	35.1	38.0	37.3	40.6	41.7	
<b>Two Year Moving Average</b>		26.8	28.6	32.4	36.6	37.7	39.0	41.2	
<b>Sample Group</b>	49.6	50.0	51.2	52.5	53.4	55.2	56.1	56.1	
<b>Relative Ranking</b>	52	55	54	65	70	60	63	64	
<b>Performance Quadrant</b>	26.0%	27.5%	27.0%	32.5%	35.0%	30.0%	31.5%	32.0%	



Metric Ranked in Ascending Order	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Student Mobility Rates</b>	22.2	22.2	22.0	21.2	21.9	21.6	21.6	21.8	
<b>Two Year Moving Average</b>		22.2	22.1	21.6	21.6	21.8	21.6	21.7	
<b>Sample Group</b>	21.9	21.8	21.4	21.0	20.7	20.7	20.7	19.9	
<b>Relative Ranking</b>	117	117	119	120	134	129	129	146	
<b>Performance Quadrant</b>	58.5%	58.5%	59.5%	60.0%	67.0%	64.5%	64.5%	73.0%	



Metric Ranked in Ascending Order	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Limited English Proficiency</b>	6.7	9.4	9.0	9.7	9.9	10.2	10.8	11.6	
<b>Two Year Moving Average</b>		8.1	9.2	9.4	9.8	10.1	10.5	11.2	
<b>Sample Group</b>	15.9	16.1	16.6	17.0	17.4	17.7	17.8	17.9	
<b>Relative Ranking</b>	102	129	122	123	115	110	114	114	
<b>Performance Quadrant</b>	51.0%	64.5%	61.0%	61.5%	57.5%	55.0%	57.0%	57.0%	

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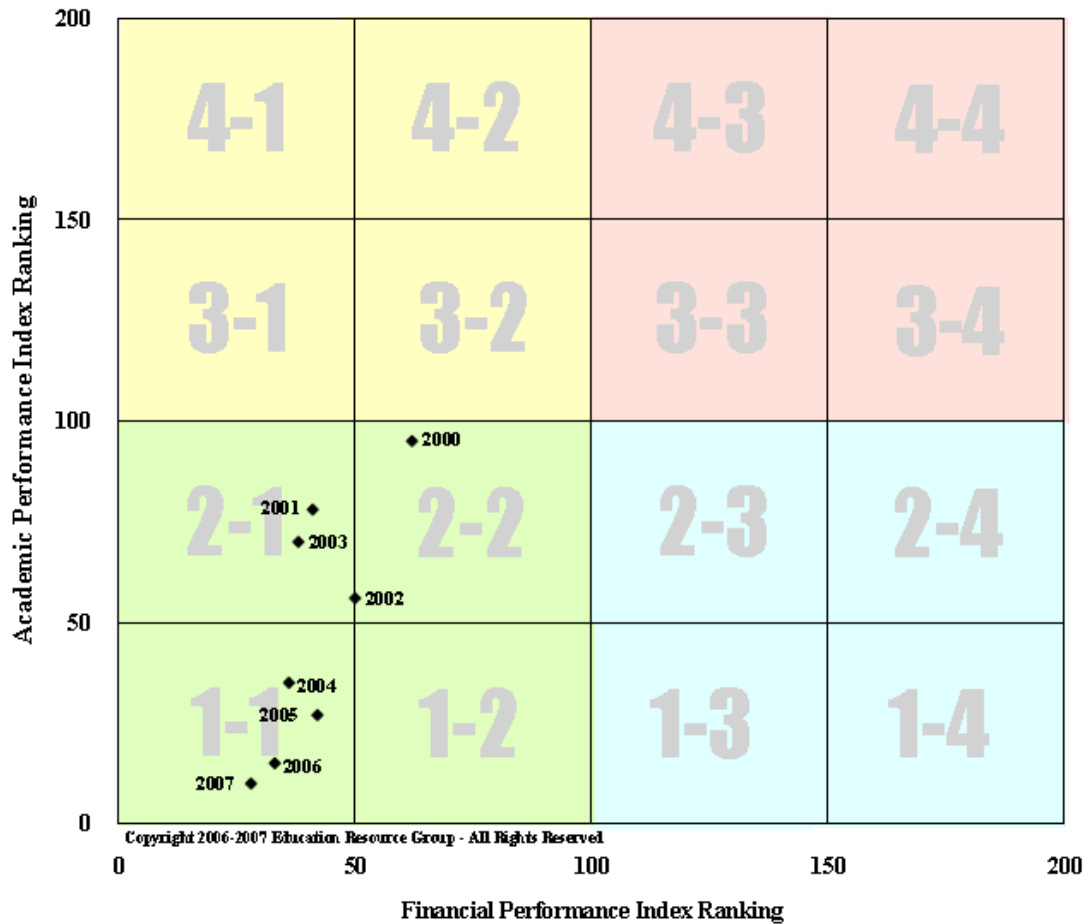
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## ERG Best Practice Matrix

Hurst-Eules-Bedford Independent School District



Year	Relative Ranking		Best Practices	
	API	FPI	BPI	VAI
2000	95	62	113.4	
2001	78	41	88.1	22.3%
2002	56	50	75.1	14.8%
2003	70	38	79.6	-6.0%
2004	35	36	50.2	36.9%
2005	27	42	49.9	0.6%
2006	15	33	36.2	27.5%
2007	10	28	29.7	18.0%

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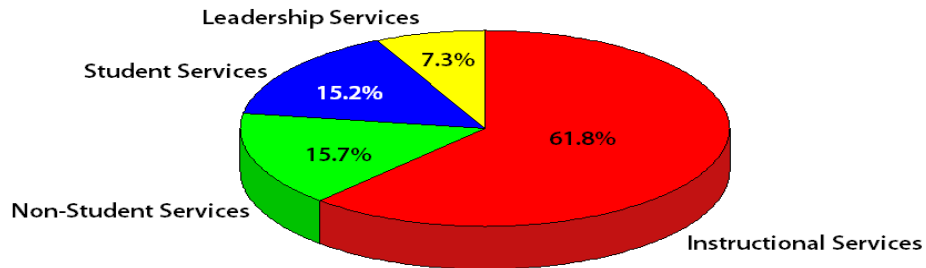
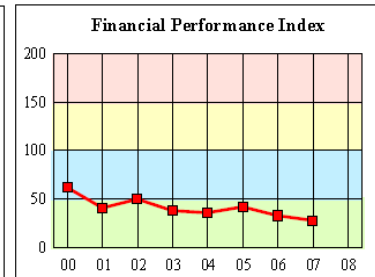
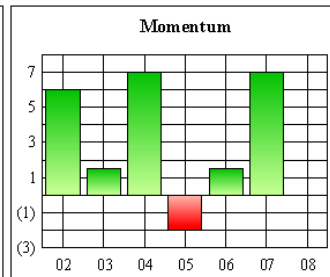
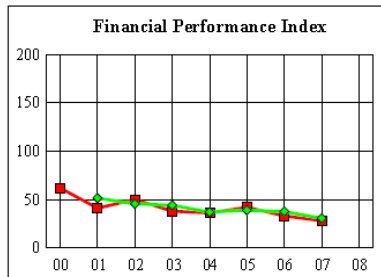
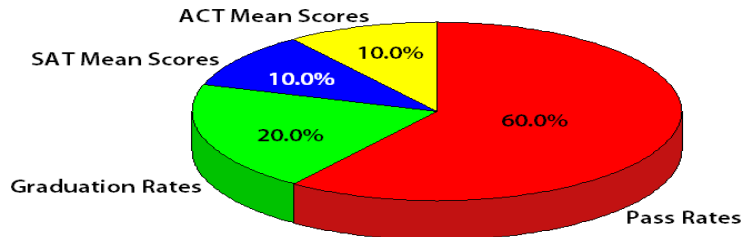
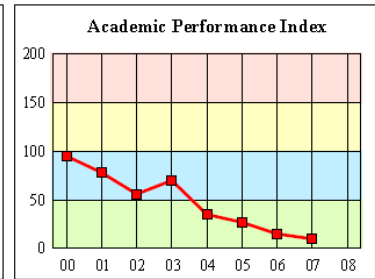
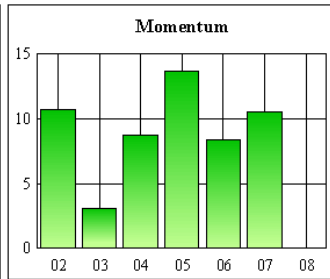
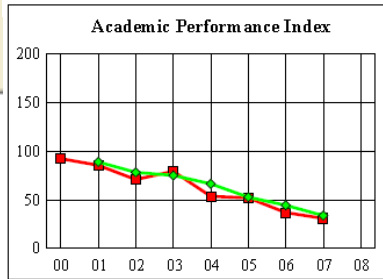
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## Performance Index Longitudinal Analysis

Hurst-Euless-Bedford Independent School District



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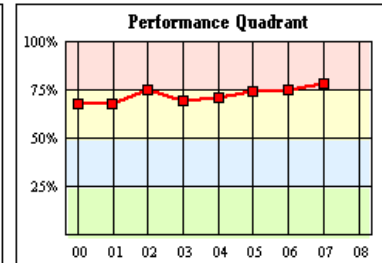
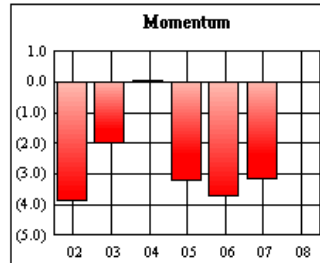
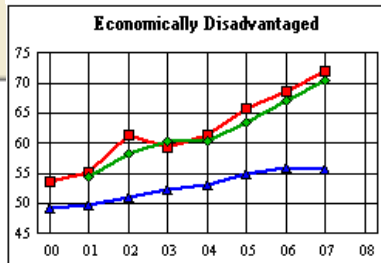
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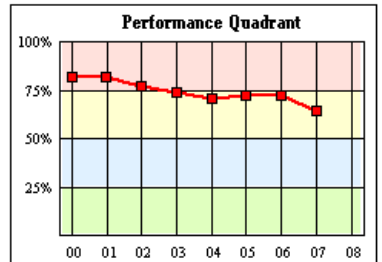
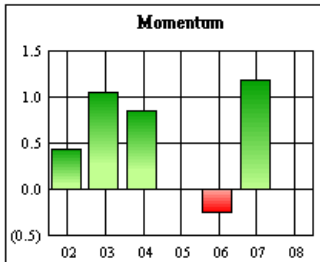
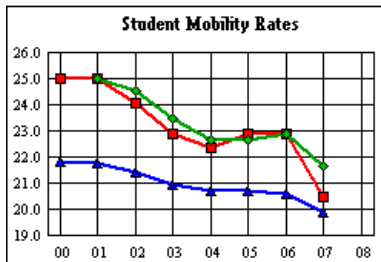
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## Student Demographics Longitudinal Analysis

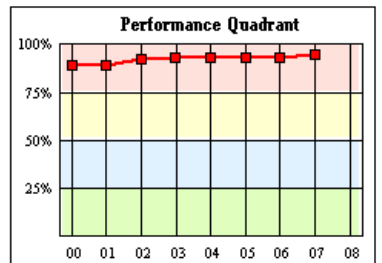
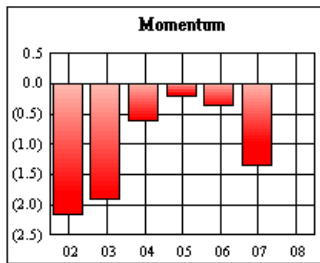
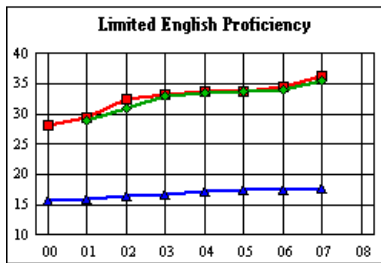
Irving Independent School District



Metric Ranked in Ascending Order	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Economically Disadvantaged</b>	53.7	55.3	61.4	59.3	61.3	65.7	68.7	72.0	
<b>Two Year Moving Average</b>		54.5	58.4	60.4	60.3	63.5	67.2	70.4	
<b>Sample Group</b>	49.4	49.8	51.0	52.4	53.3	55.0	55.9	55.8	
<b>Relative Ranking</b>	136	137	151	139	142	149	151	157	
<b>Performance Quadrant</b>	68.0%	68.5%	75.5%	69.5%	71.0%	74.5%	75.5%	78.5%	



Metric Ranked in Ascending Order	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Student Mobility Rates</b>	25.0	25.0	24.1	22.9	22.4	22.9	22.9	20.5	
<b>Two Year Moving Average</b>		25.0	24.6	23.5	22.7	22.7	22.9	21.7	
<b>Sample Group</b>	21.8	21.8	21.4	21.0	20.7	20.7	20.6	19.9	
<b>Relative Ranking</b>	164	164	154	149	142	145	145	130	
<b>Performance Quadrant</b>	82.0%	82.0%	77.0%	74.5%	71.0%	72.5%	72.5%	65.0%	



Metric Ranked in Ascending Order	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Limited English Proficiency</b>	28.3	29.5	32.6	33.3	33.8	33.7	34.5	36.4	
<b>Two Year Moving Average</b>		28.9	31.1	33.0	33.6	33.8	34.1	35.5	
<b>Sample Group</b>	15.8	15.9	16.4	16.8	17.3	17.5	17.6	17.7	
<b>Relative Ranking</b>	179	179	185	186	186	186	186	189	
<b>Performance Quadrant</b>	89.5%	89.5%	92.5%	93.0%	93.0%	93.0%	93.0%	94.5%	

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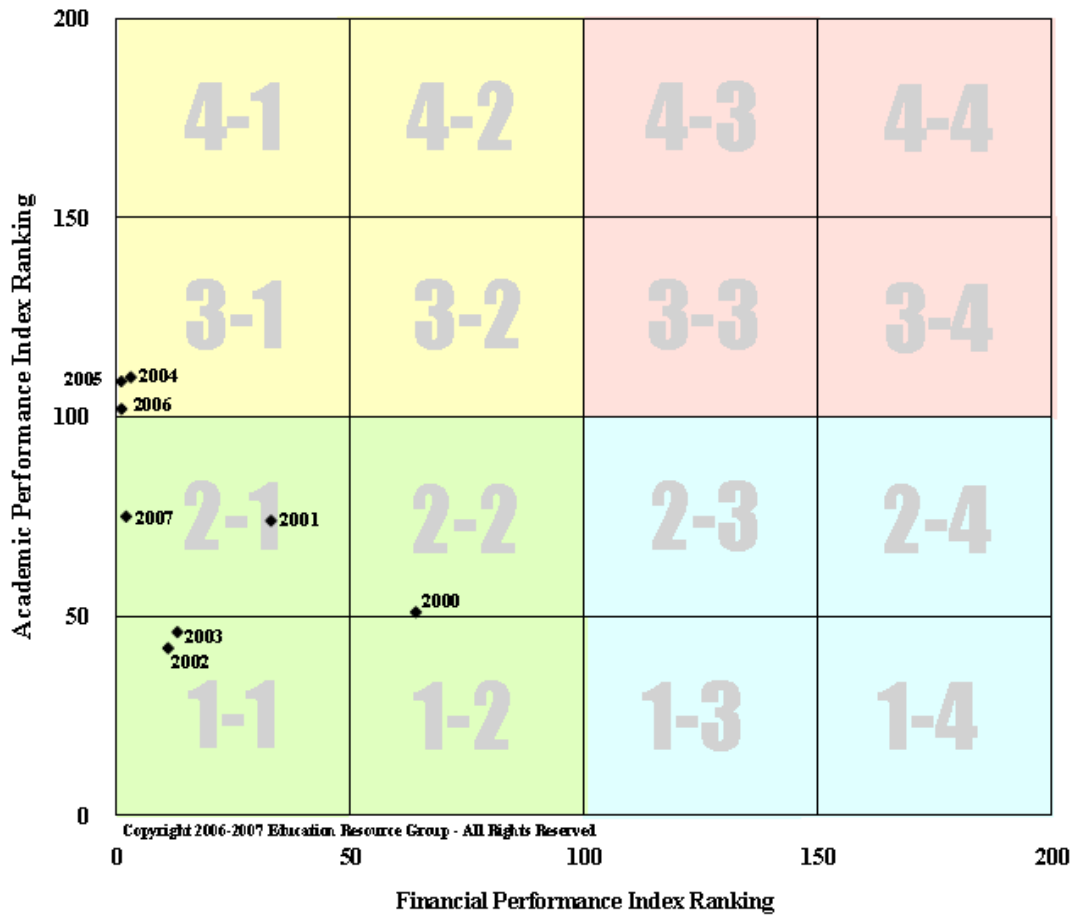
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## ERG Best Practice Matrix Irving Independent School District



Year	Relative Ranking		Best Practices	
	API	FPI	BPI	VAI
2000	51	64	81.8	
2001	74	33	81.0	1.0%
2002	42	11	43.4	46.4%
2003	46	13	47.8	-10.1%
2004	110	3	110.0	-130.2%
2005	109	1	109.0	0.9%
2006	102	1	102.0	6.4%
2007	75	2	75.0	26.4%

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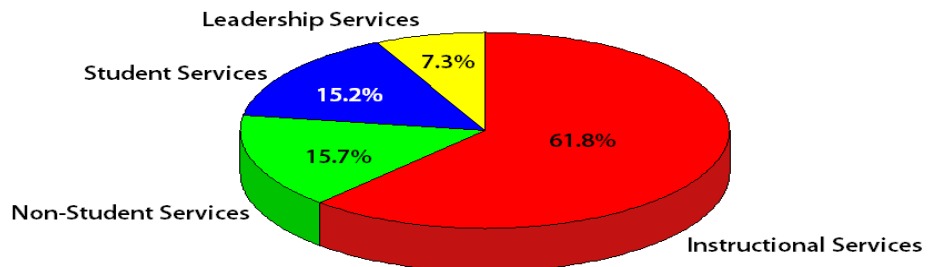
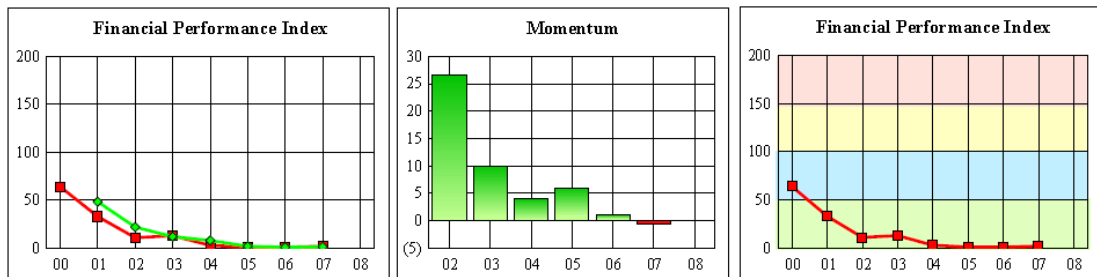
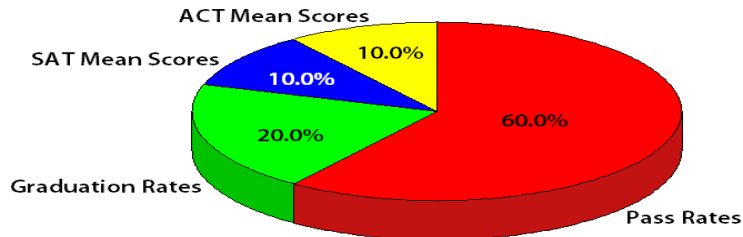
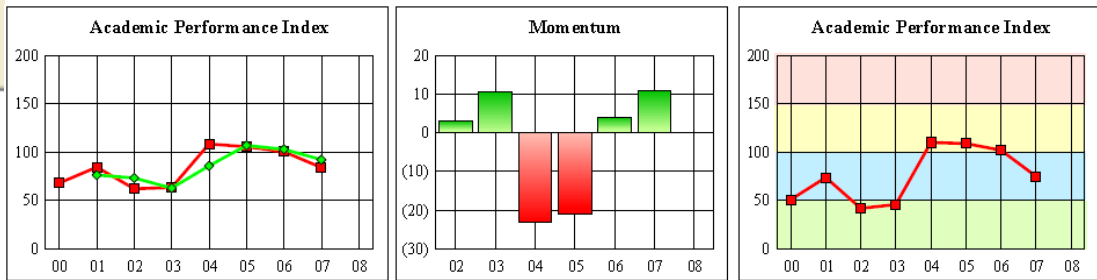
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## Performance Index Longitudinal Analysis

Irving Independent School District



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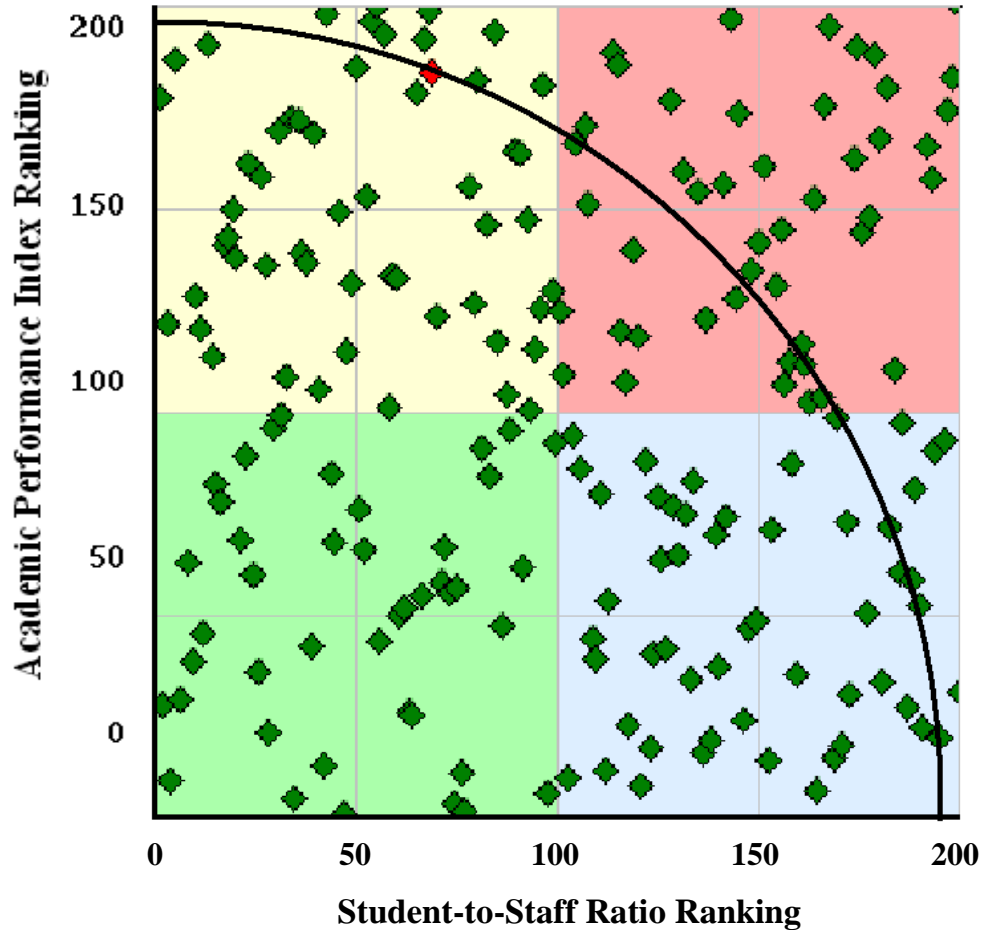
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**ERG Best Practice Matrix**  
 Sam Houston High School  
 Houston Independent School District



Year	Relative Ranking	
	Academic	Staff Ratio
2007	181	68

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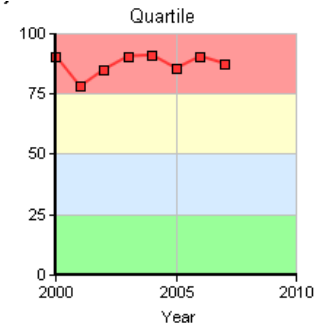
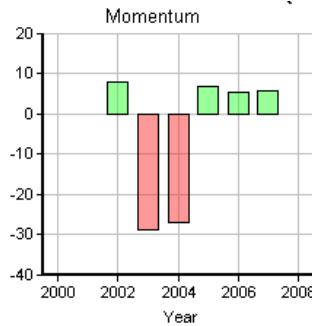
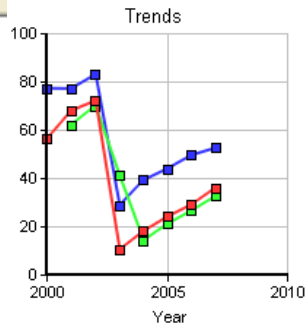
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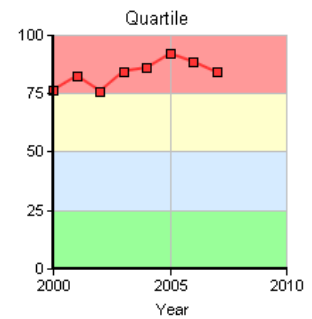
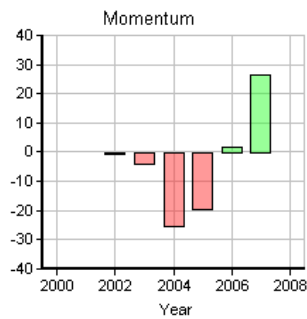
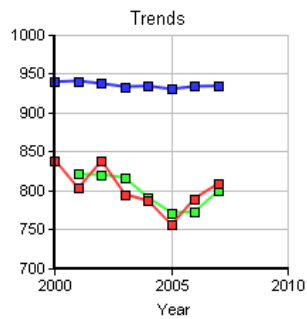
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## AEIS Longitudinal Analysis Sam Houston High School Houston Independent School District



Year	2000	2001	2002	2003	2004	2005	2006	2007
<b>TAKS Pass Rates (D)</b>	56.3	67.9	72.0	10.3	18.0	24.0	29.0	36.0
<b>Quartile</b>	91	78	85	91	91	86	91	88
<b>Moving Average</b>		62.1	70.0	41.2	14.2	21.0	26.5	32.5
<b>Momentum Indicator</b>			7.9	(28.8)	(27.0)	6.9	5.5	6.0
<b>Campus Sample Group</b>	77.2	77.0	82.9	28.6	39.1	43.9	49.5	52.4



Year	2000	2001	2002	2003	2004	2005	2006	2007
<b>SAT Mean Scores (D)</b>	839.0	803.0	838.0	795.0	787.0	756.0	790.0	809.0
<b>Quartile</b>	77	83	76	85	86	92	89	84
<b>Moving Average</b>		821.0	820.5	816.5	791.0	771.5	773.0	799.5
<b>Momentum Indicator</b>			(0.5)	(4.0)	(25.5)	(19.5)	1.5	26.5
<b>Campus Sample Group</b>	939.6	940.8	937.3	933.4	934.2	930.3	933.8	934.3

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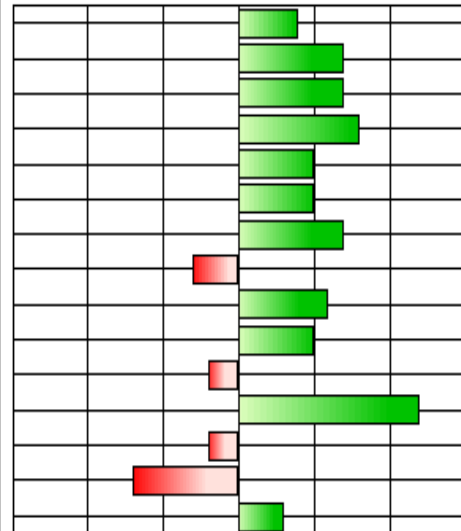
### ERG TAKS Tracker - AEIS Summary Report

Sam Houston High School

Houston Independent School District

	2007			2008		
	Met	Total	%Met	Met	Total	%Met
All Subjects	<b>2,901</b>	<b>4,701</b>	<b>62%</b>	<b>3,036</b>	<b>4,601</b>	<b>66%</b>
Elar	<b>1,138</b>	<b>1,539</b>	<b>74%</b>	<b>1,227</b>	<b>1,510</b>	<b>81%</b>
9	495	679	73%	562	699	80%
10	354	493	72%	345	432	80%
11	289	367	79%	320	379	84%
Math	<b>680</b>	<b>1,502</b>	<b>45%</b>	<b>728</b>	<b>1,469</b>	<b>50%</b>
9	250	665	38%	308	685	45%
10	218	477	46%	178	414	43%
11	212	360	59%	242	370	65%
Science	<b>378</b>	<b>832</b>	<b>45%</b>	<b>410</b>	<b>813</b>	<b>50%</b>
10	183	473	39%	163	440	37%
11	195	359	54%	247	373	66%
Socstudies	<b>705</b>	<b>828</b>	<b>85%</b>	<b>671</b>	<b>809</b>	<b>83%</b>
10	388	471	82%	332	442	75%
11	317	357	89%	339	367	92%

Year-to-Year Growth



**Exemplary**

**Recognized**

**Acceptable**

**Unacceptable**

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### ERG TAKS Tracker - 2006-2007 AEIS Report

Sam Houston High School

Houston Independent School District

<b>ELAR: Acceptable</b>	Total	Afr Am	Hisp	White	Eco Dis
Total Students	1,539	64	1,432	43	1,196
Met Standard	1,138	43	1,058	37	886
Percent Met Standard	73.9%	67.2%	73.9%	86.0%	74.1%
<b>Estimated AEIS 2007 Students Needed</b>					
Exemplary (90%)	-240	-15	-224	-2**	-185
Recognized (75%)	-9	-5	-9	4**	-6
Acceptable (65% for ELAR)	145	1	134	9**	114
<b>Math: Unacceptable</b>	Total	Afr Am	Hisp	White	Eco Dis
Total Students	1,502	59	1,400	42	1,177
Met Standard	680	14	642	24	540
Percent Met Standard	45.3%	23.7%	45.9%	57.1%	45.9%
<b>Estimated AEIS 2007 Students Needed</b>					
Exemplary (90%)	-665	-39	-611	-14**	-514
Recognized (75%)	-439	-30	-401	-8**	-337
Acceptable (45% for Math)	11	-13	19	5**	16
<b>Science: Acceptable</b>	Total	Afr Am	Hisp	White	Eco Dis
Total Students	832	27	779	26	634
Met Standard	378	6	355	17	288
Percent Met Standard	45.4%	22.2%	45.6%	65.4%	45.4%
<b>Estimated AEIS 2007 Students Needed</b>					
Exemplary (90%)	-367	-19*	-343	-7*	-280
Recognized (75%)	-242	-15*	-226	-3*	-185
Acceptable (40% for Science)	49	-5*	47	6*	37
<b>SocStudies: Recognized</b>	Total	Afr Am	Hisp	White	Eco Dis
Total Students	828	25	778	25	631
Met Standard	705	18	664	23	541
Percent Met Standard	85.1%	72.0%	85.3%	92.0%	85.7%
<b>Estimated AEIS 2007 Students Needed</b>					
Exemplary (90%)	-37	-5*	-33	0*	-24
Recognized (75%)	88	-1*	84	4*	70
Acceptable (65% for SocStudies)	170	1*	162	6*	134

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## Select Committee on Public School Accountability

Presented by Paul T. Haerberlen

June 16, 2008

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### ERG TAKS Tracker - 2007-2008 AEIS Report

Sam Houston High School

Houston Independent School District

<b>ELAR: Recognized</b>	Total	Afr Am	Hisp	White	Eco Dis
Total Students	1,510	56	1,427	26	1,231
Met Standard	1,227	47	1,154	25	1,005
Percent Met Standard	81.3%	83.9%	80.9%	96.2%	81.6%
<b>Estimated AEIS 2008 Students Needed</b>					
Exemplary (90%)	-125	-4	-124	1*	-97
Recognized (75%)	102	5	90	5*	87
Acceptable (70% for ELAR)	177	8	162	6*	149

<b>Math: Unacceptable</b>	Total	Afr Am	Hisp	White	Eco Dis
Total Students	1,469	59	1,381	28	1,196
Met Standard	728	17	699	11	603
Percent Met Standard	49.6%	28.8%	50.6%	39.3%	50.4%
<b>Estimated AEIS 2008 Students Needed</b>					
Exemplary (90%)	-587	-36	-537	-15*	-468
Recognized (75%)	-367	-27	-330	-10*	-289
Acceptable (50% for Math)	0	-13	15	-3*	10

<b>Science: Acceptable</b>	Total	Afr Am	Hisp	White	Eco Dis
Total Students	813	38	759	15	657
Met Standard	410	15	385	9	332
Percent Met Standard	50.4%	39.5%	50.7%	60.0%	50.5%
<b>Estimated AEIS 2008 Students Needed</b>					
Exemplary (90%)	-318	-20**	-295	-5*	-257
Recognized (75%)	-196	-14**	-181	-3*	-158
Acceptable (45% for Science)	48	-2**	47	2*	39

<b>SocStudies: Recognized</b>	Total	Afr Am	Hisp	White	Eco Dis
Total Students	809	39	754	15	658
Met Standard	671	27	631	12	548
Percent Met Standard	82.9%	69.2%	83.7%	80.0%	83.3%
<b>Estimated AEIS 2008 Students Needed</b>					
Exemplary (90%)	-54	-8**	-44	-2*	-41
Recognized (75%)	68	-3**	69	0*	57
Acceptable (65% for SocStudies)	149	1**	144	2*	123

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## **Lessons We Have Learned**

### Using Information to Drive Performance Improvement

01. Districts and campuses that achieve high academic outcomes while maintaining cost-efficient operations can be identified.
02. Relative performance is dynamic.
03. Leadership matters and can be measured.
04. Academic performance improvements can be achieved while maintaining or improving operating efficiencies.
05. Competition can be a constructive force for change and improvement.
06. Data used must be more accurate, more consistent, and more timely.



**High performing organizations are always looking for innovative solutions that contribute to both high academic performance and cost-effective operations.**

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