

NISD Long Range Planning Committee Recommendations to the Board of Trustees

Monday, January 23, 2017

Introduction

Dr. Warren

Northwest ISD Mission

Northwest ISD, in partnership with parents and community, will engage all students in a premier education, preparing them to be successful, productive citizens.

Our Vision

The best and most sought-after school district where every student is **future ready:**

- Ready for college
- Ready for the global workplace
- Ready for personal success

Northwest ISD Beliefs

- Kids come first
- Continuous improvement is essential for future success
- The success of each student is the shared responsibility of students, families, schools, and communities
- **Environment influences learning**

Our Challenges

- **Build on Educational Excellence**
- **Plan for Growth**
- **Plan for Financial Stability**

Charge of the LRPC

- Consider the educational needs of all students and align with the district's mission, vision and goals
- Represent the entire NISD community, its values and perceptions in the facility planning process
- Assess and prioritize the district's current and long-term facility needs, including, but not limited to:
 - District growth and capacity
 - Building age, safety and condition
 - Evolving educational delivery and programs
- Form a recommendation for consideration by the NISD Board of Trustees

Process

✓ Regular Demographic Projection Updates



✓ District-wide Facility Assessment



✓ District Leadership & Campus Staff Interviews



✓ Internal Long Range Needs Assessment



✓ Convene Long Range Planning Committee

Process

✓ LRPC PROCESS

Meet regularly to study demographic projections, facility assessment, departmental needs, district financial information including bonding capacity and tax impact scenarios, tour facilities deemed necessary, prioritize potential projects and come to consensus on recommendation.

✓ Conduct Community Survey

Recommendations Presented to Board of Trustees

Board Studies Recommendation

Process

Board Calls Bond Election 78 Days Prior to Election Day
Elections can only be held on the two General Election Days in May or November

Voter Education

Bond Election Approved by Voters

Bonds Sold to Investors

Project Design & Planning Process

District Levies I&S Tax Rate to Repay Bonds

Projects Go to Bid

Construction

Long Range Planning Committee Report

Mr. Dave Edstrom

LRPC Membership

Elizabeth Arnett
Heather Bailey
Kim Blackburn
Mike Blankenship
Scott Blattner
David Carothers, Jr.
Sandy Conklin
Shannon Darby
Darin Davis
Amy Donoho
Jim Dougherty
Brandie Doughtie
Christy Dovers

Tammy Eck
Dave Edstrom
Rhonda Funk
Russell Gage
Bill Haines
Taylor Harrington
Tracy Henderson
Jason Jacobs
Todd M. Kindel
Sarah Matt
Ron Myers
Michael Ortman
Carrie Renteria

Lisa Rodgers
Camille Schluter
Jennifer Skelton
Michelle Smith
Kelly Trisko
Jennifer Washam
Cynthia Webber
Jessica Wilde
Bert Wilhelm
Stephanie Winqest
Jamie Winters-Johnson
Jamie Woodward
Crystal Zschirnt

Committee Process

- Reconvened committee in October 2016
- Met 8 times over the course of several months to study background information and have opportunity for dialogue and debate to develop the recommendation

LRPC MEETINGS:

- Meeting 1: Tuesday, October 11, 6:00 p.m.
- Meeting 2: Tuesday, October 25, 6:00 p.m.
- Meeting 3: Tuesday, November 8, 6:00 p.m.
- Meeting 4: Tuesday, November 15, 6:00 p.m.
- Meeting 5: Tuesday, November 29, 6:00 p.m.
- Meeting 6: Tuesday, December 13, 6:00 p.m.
- Meeting 7: Tuesday, January 10, 6:00 p.m.
- Meeting 8: Tuesday, January 17, 6:00 p.m.

Recommendations to the Board of Trustees:
Monday, January 23, 2017

Information Studied

- Impact of the student population growth
- Ideal student population numbers and feeder pattern model
- Safety and security issues for our students and faculty
- Deficiencies in existing facilities
- Technology needs
- Fine Arts needs
- CTE needs
- Athletics needs
- Results of a community survey
- Financial analysis of bonding capacity and tax impact scenarios

Evaluation/Prioritization Process

- Reviewed and rated the importance of over 60 potential project needs that were identified by the District faculty and staff and by members of the Long Range Planning Committee.
- We addressed each of the areas we reviewed on four criteria:
 1. Benefit to Students
 2. Urgency of Need
 3. Value
 4. Benefit to the Community
- On Tuesday, January 17, the committee reached unanimous consensus on its recommendation.

Recommendation

The NISD Long Range Planning Committee recommends the NISD Board of Trustees call a bond election for January 17, 2017 for \$399,000,000 to address the following:

- Student Population Growth
- Aging Conditions of Existing Facilities
- Safety & Security of our Students & Staff
- Technology Infrastructure & Devices
- Advancing Student Programs

Specific Project Recommendations

- Elementary Schools #19, #20, and #21
- One New Elementary School Replacing Haslet Elementary / Current Haslet Elementary Renovated into District Instructional Facility
- Beck Elementary Expansion (for existing population)
- Three Current Elementary School Expansions (to 850 students)
- Medlin and Tidwell Middle School Expansions (to 1,200 students)

Specific Project Recommendations

- Byron Nelson and Eaton High School Expansions (to 3,200 students)
- Funding for Land Acquisitions for Future Campuses
- District / Campus Furniture Replacement
- Deferred District / Campus Maintenance Projects
- Additional Safety and Security Infrastructure
- Technology Upgrades for Infrastructure and Devices
- Student Program Support

Recommendation Cost Analysis

Mr. McClure

Student Population Growth

263,991,892

New Facilities

Elementary School #19

Elementary School #20

Elementary School #21

Replacement Facilities

New Haslet Elementary School (gain capacity and replace one of the district's oldest campuses)

Renovate the Existing Haslet Elem. School for an Admin. Annex (Over 2.3 million sf added since 2000)

Campus Expansions

Beck Elementary School Addition (permanent space for existing student enrollment)

Three Elementary School Expansions (bring capacity up to 850 model)

Medlin & Tidwell Middle School Expansions (bring capacity up to 1,200 model)

Byron Nelson & VR Eaton High School Expansions (bring capacity up to 3,200 model)

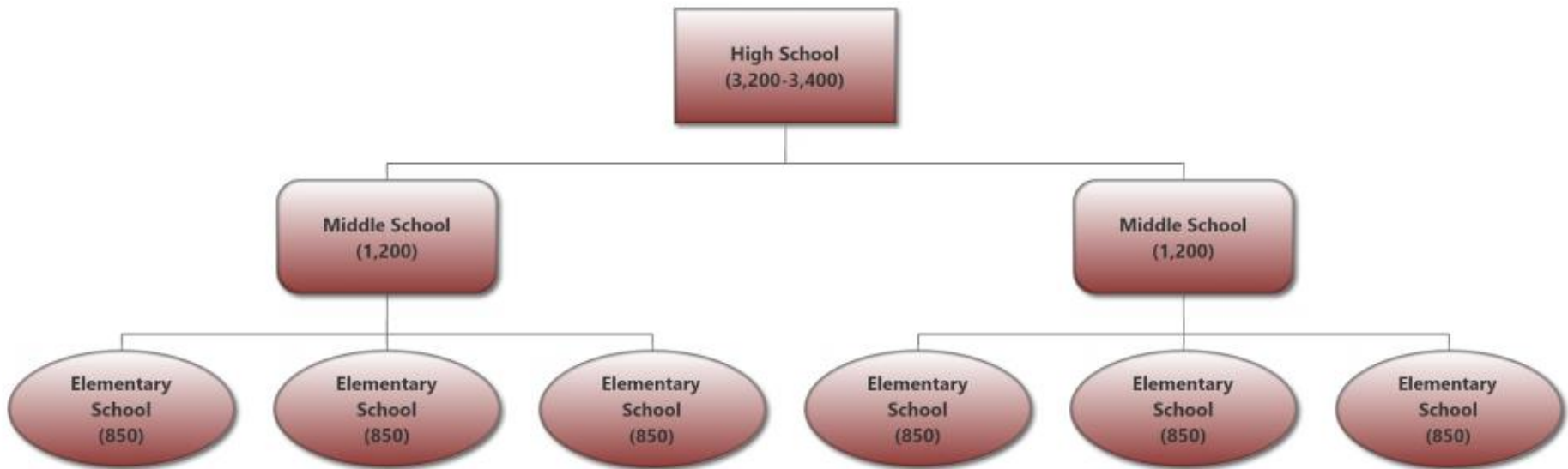
Land Acquisition for Future School Sites

Student Population Growth

	2017/18	2018/19	2019/20	2020/21	2021/22	Future Bond	
	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
Elementary Schools		<i>New Elem. #18</i>	New Elem. #19	New Elem. #20 Haslet Elem. Replacement	New Elem. #21 Renovate Existing Haslet Elem. For Admin. Annex		
Elementary Expansions	<i>Expand Schluter</i>	Beck Elem. Classroom Addition	Existing Elem. Expansion	Existing Elem. Expansion	Existing Elem. Expansion		
Middle Schools		<i>New MS #6</i>			Medlin Expansion Tidwell Expansion		New MS #7
High Schools			Bryon Nelson Expansion		VR Eaton Expansion		New HS #4
Other Needs							

Feeder Patterns

- Current Model
 - 6 Elementary Schools (850 capacity = 140 students/grade)
 - 2 Middle Schools (1200 capacity = 426 students/grade)
 - 1 High School (3,200 – 3,400 capacity = 850 students/grade)



Aging Conditions of Existing Facilities

\$32,268,437

Furniture Replacement (Classrooms over 20 years old)

Roof Replacement & Repair

Code Compliance Upgrades (ADA items)

Replacement of Aged Electrical, Mechanical & Plumbing Equipment

Replacement of Aged Fire Alarms

Water Intrusion & Damage Repairs (including window replacement, caulking and sealing)

Safety & Security of our Students & Staff

\$14,081,601

Entrance & Reception Area Improvements

Uniform platform at every campus with approach camera and buzzer and reception area security enhancements

Door Hardware Upgrades

Replace door hardware on classroom doors with intruder function

Access Control Improvements & Intrusion Alarms

Automated lockdown with agency notification

Security Cameras

Replacement cycle, right-sizing replacements, additional needs and storage replacement

Intercom System & Phone System Improvements

Replace obsolete intercom head-in, replace phone system for lockdown and notification capabilities as well as upgrade standards

Technology Infrastructure & Devices

\$37,396,935

Technology Infrastructure & District Backbone

Fiber and Cabling standards upgrades and replacements, Wi-Fi for 1:1, equipment closets UPS, power and AC upgrades; network operations and equipment growth, new construction fiber

Student Device Refresh

Growth and student device replacement for 22K+ students

Teacher & Staff Device Refresh

Classroom and office device replacement - includes printers, scanners, laptops, desktops

Virtual Desktop Infrastructure Growth

Addition seat capacity to help facilitate long term cost reductions for lab replacements as well as enhance student access from home

Advancing Student Programs

\$51,101,320

Career & Technical Education

Kelly Box Ag Barn Expansion & Upgrades
Technology Infrastructure Upgrades for Labs at BNHS & NHS
Computer Certification Labs at BNHS & NHS
Skills Lab for Certifications in Health Science at BNHS & NHS
AMAT Upgrade & Ag Expansion at NHS
Ag Expansion, Culinary Expansion & Engineering Lab at BNHS

Athletics

Outdoor Fieldhouse at BNHS & NHS
District Aquatic Center to serve all campuses

Fine Arts

Renovate Northwest HS Performing Arts Center
New large ensemble and practice rooms at BNHS & NHS
PAC & Black Box lighting upgrades at NHS
Middle School Fine Arts Improvements – Update stage areas & lighting, new large ensemble, practice and theater rooms, band and choir room updates

Total Recommended Bond Package **\$398,840,184**

Student Population Growth **\$263,991,892**
New Facilities, Replacement Facilities, Expansions & Land Acquisition

Aging Conditions of Existing Facilities **\$32,268,437**
Furniture, Roofing, Code Compliance, MEP, Fire Alarms & Water Intrusion

Safety & Security of our Students & Staff **\$14,081,601**
Secure Entrances, Door Hardware, Access Control, Security Cameras, Intercom & Phone Systems

Technology Infrastructure & Devices **\$35,396,935**
Infrastructure & Backbone, Student & Staff Device Refresh, Virtual Desktops

Advancing Student Programs **\$51,101,320**
CTE, Athletics & Fine Arts

Financial Discussion

Mr. Graswich

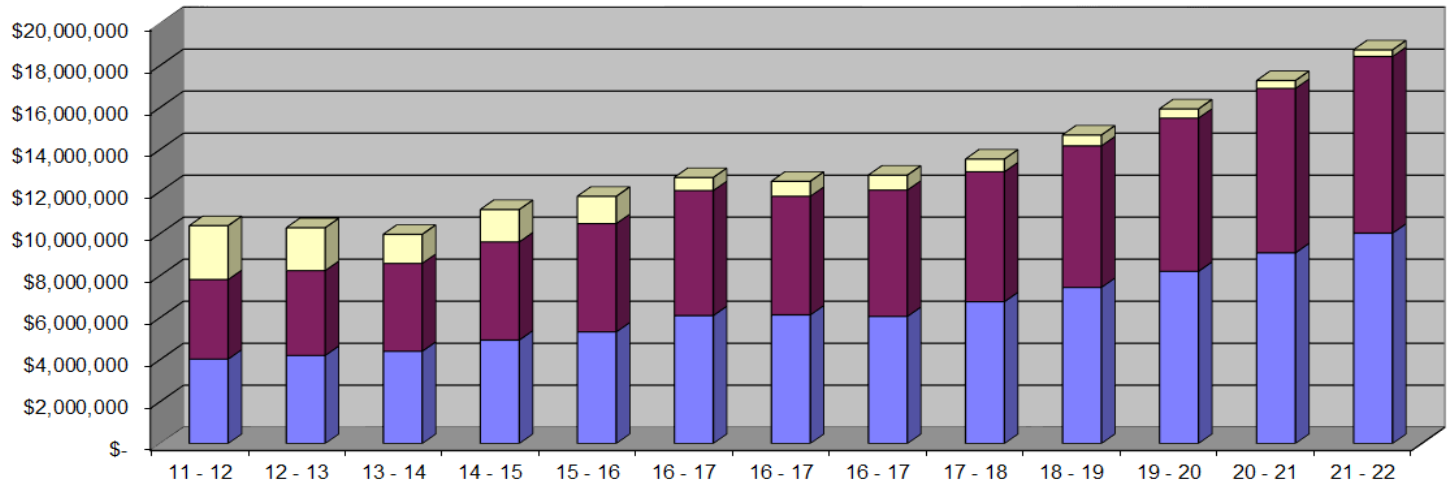
Northwest ISD General Fund Budget Option A

Year	Current Expenditures	Enrollment	ASATR Loss	Fund Balance Use
2016-2017	\$191,496,440	22,095		\$10,000,000
2016-2017	\$190,658,427	22,022		\$ 8,921,110
2017-2018	\$200,231,843	23,134	\$ 8,161,829	\$18,182,849
2018-2019	\$211,721,257	24,246	\$ 8,830,066	\$21,487,078
2019-2020	\$224,023,448	25,462	\$ 9,584,898	\$24,881,665
2020-2021	\$236,366,700	26,864	\$10,462,596	\$26,974,680
2021-2022	\$256,468,222	28,227	\$11,340,294	\$35,589,933

Northwest ISD General Fund Budget Option B

Year	Current Expenditures	Enrollment	ASATR Loss	Fund Balance Use
2016-2017	\$191,496,440	22,095		\$10,000,000
2016-2017	\$191,287,476	22,122		\$ 8,385,169
2017-2018	\$200,041,807	23,134	\$ 9,922,008	\$19,877,655
2018-2019	\$210,165,806	24,246	\$ 7,498,862	\$18,515,399
2019-2020	\$221,123,960	25,462	\$ 8,070,856	\$20,381,972
2020-2021	\$235,029,938	26,864	\$10,169,357	\$23,402,739
2021-2022	\$253,190,565	28,227	\$12,267,857	\$26,040,384

**NORTHWEST INDEPENDENT SCHOOL DISTRICT
FIVE-YEAR FINANCIAL FORECAST
ASSESSED VALUE OF TAXABLE PROPERTY
FOR YEARS ENDING JUNE 30, 2012 THROUGH JUNE 30, 2022**



**ASSESSED VALUE OF TAXABLE PROPERTY
All Amounts in Thousands (\$1,000s)**

Description	Certified Roll					Certified Estimate 16 - 17	Certified Roll 16 - 17	Supplement 16 - 17	Projected Certified Roll 17 - 18	Financial Forecast			
	11 - 12	12 - 13	13 - 14	14 - 15	15 - 16					18 - 19	19 - 20	20 - 21	21 - 22
Homes	\$ 4,018,572	\$ 4,193,234	\$ 4,393,387	\$ 4,923,509	\$ 5,313,579	\$ 6,090,571	\$ 6,124,264	\$ 6,051,411	\$ 6,752,001	\$ 7,430,611	\$ 8,193,809	\$ 9,077,552	\$ 10,014,673
Non-Homesite & Personal Property	3,786,613	4,038,266	4,182,589	4,673,200	5,156,821	5,952,241	5,647,732	6,013,291	6,182,193	6,739,553	7,296,117	7,826,241	8,407,801
Minerals	2,562,364	2,035,974	1,380,696	1,538,136	1,296,365	618,146	709,709	709,754	603,252	512,764	435,850	370,472	314,901
Freeze Adjusted Taxable	10,367,549	10,267,474	9,956,671	11,134,845	11,766,765	12,660,957	12,481,704	12,774,455	13,537,447	14,682,928	15,925,775	17,274,265	18,737,376
Less: Tax Increment Financing Zone	(59,916)	(60,465)	(60,274)	(59,310)	(61,224)	(74,795)	(61,195)	(61,194)	(61,194)	(61,194)	(61,194)	(61,194)	(61,194)
Adjusted Taxable Value	<u>10,307,633</u>	<u>10,207,009</u>	<u>9,896,397</u>	<u>11,075,535</u>	<u>11,705,540</u>	<u>12,586,163</u>	<u>12,420,509</u>	<u>12,713,261</u>	<u>13,476,252</u>	<u>14,621,734</u>	<u>15,864,581</u>	<u>17,213,071</u>	<u>18,676,182</u>
Absolute Growth over Previous Year	\$ 349,964	\$ (100,624)	\$ (310,612)	\$1,179,138	\$ 630,005	\$ 880,623	\$ 714,969	\$1,007,721	\$1,055,743	\$1,145,481	\$1,242,847	\$1,348,489	\$1,463,111
Percentage Growth over Previous Year	3.51%	-0.98%	-3.04%	11.91%	5.69%	7.52%	6.11%	8.61%	8.50%	8.50%	8.50%	8.50%	8.50%

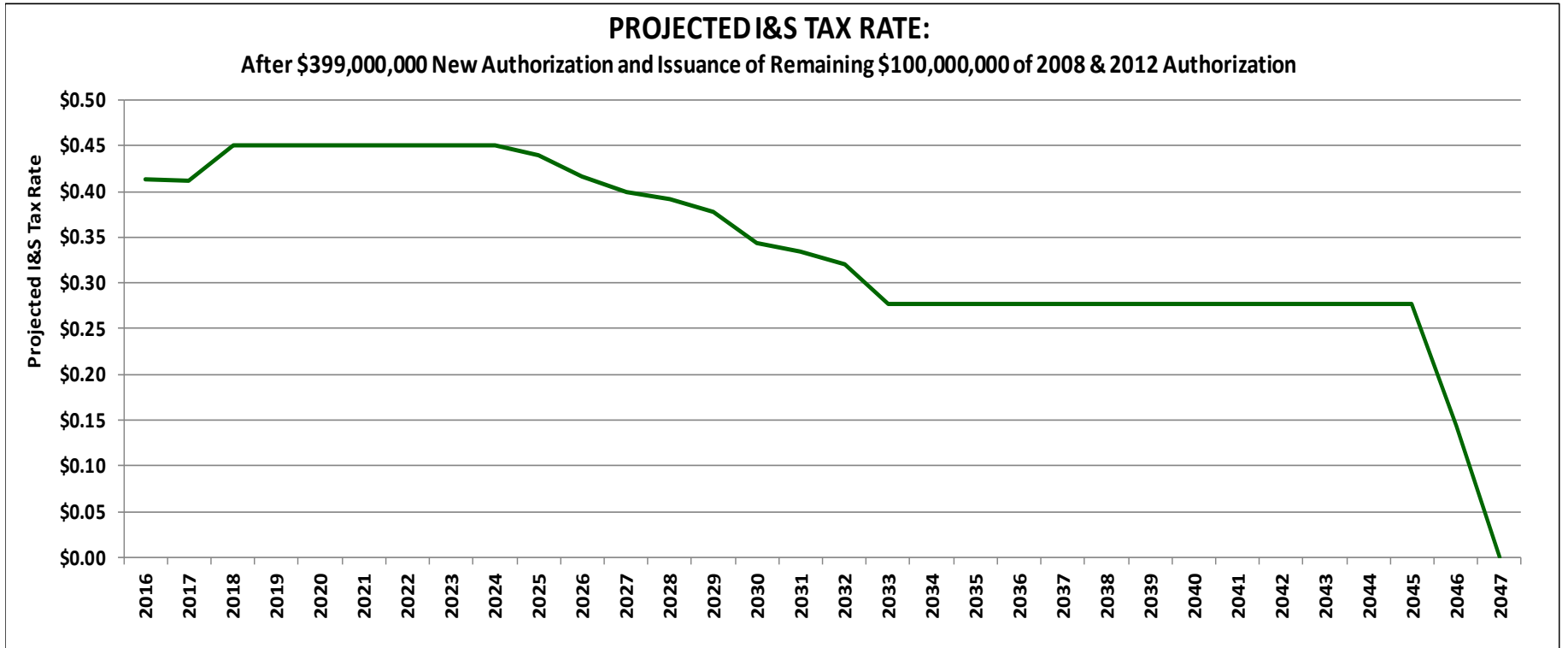
Remaining \$100 Mil

January 18, 2017 'AAA' Tax Exempt Interest Rates:

Authorization PLUS NEW Election Size	PLUS 0.50%	PLUS 0.75%	PLUS 1.00%	PLUS 1.00%	PLUS 1.00%
	Series 2017	Series 2018	Series 2019	Series 2020	Series 2021
	25 Yr @ 4.30%	25 Yr @ 4.45%	25 Yr @ 4.60%	25 Yr @ 4.60%	25 Yr @ 4.60%
\$ 399,000,000	\$ 85,000,000	\$ 108,500,000	\$ 123,000,000	\$ 124,000,000	\$ 58,500,000

I&S Surplus Contribution*
\$ 21,171,109

Maximum I&S Tax Rate	Current I&S Tax Rate	I&S Tax Rate Increase
\$ 0.4500	\$ 0.4125	\$ 0.0375



* - In order to reduce projected impact of bond election as much as possible, I&S fund balance used to 'buy down' the I&S Tax Rate

1 2 3 4 5 6 7 8 9 10

Projected MAXIMUM <u>ANNUAL</u> Tax Rate Impact on Northwest ISD Homeowners									
Tax Rate	<u>Home Values</u> *								
Increase	\$ 50,000	\$ 100,000	\$ 150,000	\$ 200,000	\$ 250,000 **	\$ 300,000	\$ 400,000	\$ 500,000	\$ 600,000
\$ 0.0375	\$ 9.38	\$ 28.13	\$ 46.88	\$ 65.63	\$ 84.38	\$ 103.13	\$ 140.63	\$ 178.13	\$ 215.63

Projected MAXIMUM <u>MONTHLY</u> Tax Rate Impact on Northwest ISD Homeowners									
Tax Rate	<u>Home Values</u> *								
Increase	\$ 50,000	\$ 100,000	\$ 150,000	\$ 200,000	\$ 250,000 **	\$ 300,000	\$ 400,000	\$ 500,000	\$ 600,000
\$ 0.0375	\$ 0.78	\$ 2.34	\$ 3.91	\$ 5.47	\$ 7.03	\$ 8.59	\$ 11.72	\$ 14.84	\$ 17.97

* - Tax rate impacts calculated on the home value less \$25,000 mandatory homestead exemption.
 ** - Average market value of Northwest ISD residences in 2016 is \$248,334 per local appraisal district.

Instructional Impact Discussion

Dr. Thornell

Does School Size Matter?

John Hattie, the world renowned educational researcher, ranks 195 (2015) different effects on student learning.

- Collective Efficacy – 1.57 (#2)
- School Size - .43 (#78)

[Hattie's Rankings-Visible Learning](#)

Research Behind High School Size

Two separate Hanover Research Studies:

- *Impacts of School and Class Size on Student Outcomes*, Jan. 2015
- *Redesign of High Schools*, June 2006

Both studies share that the ideal size for a high school is around 1,000 students, but also recognize the financial and programmatic restraints of schools that size.

Research Behind High School Size

However, both studies also acknowledge that appropriate staffing and school models such as career academies, offer large schools the means to effectively meet the needs of all students.

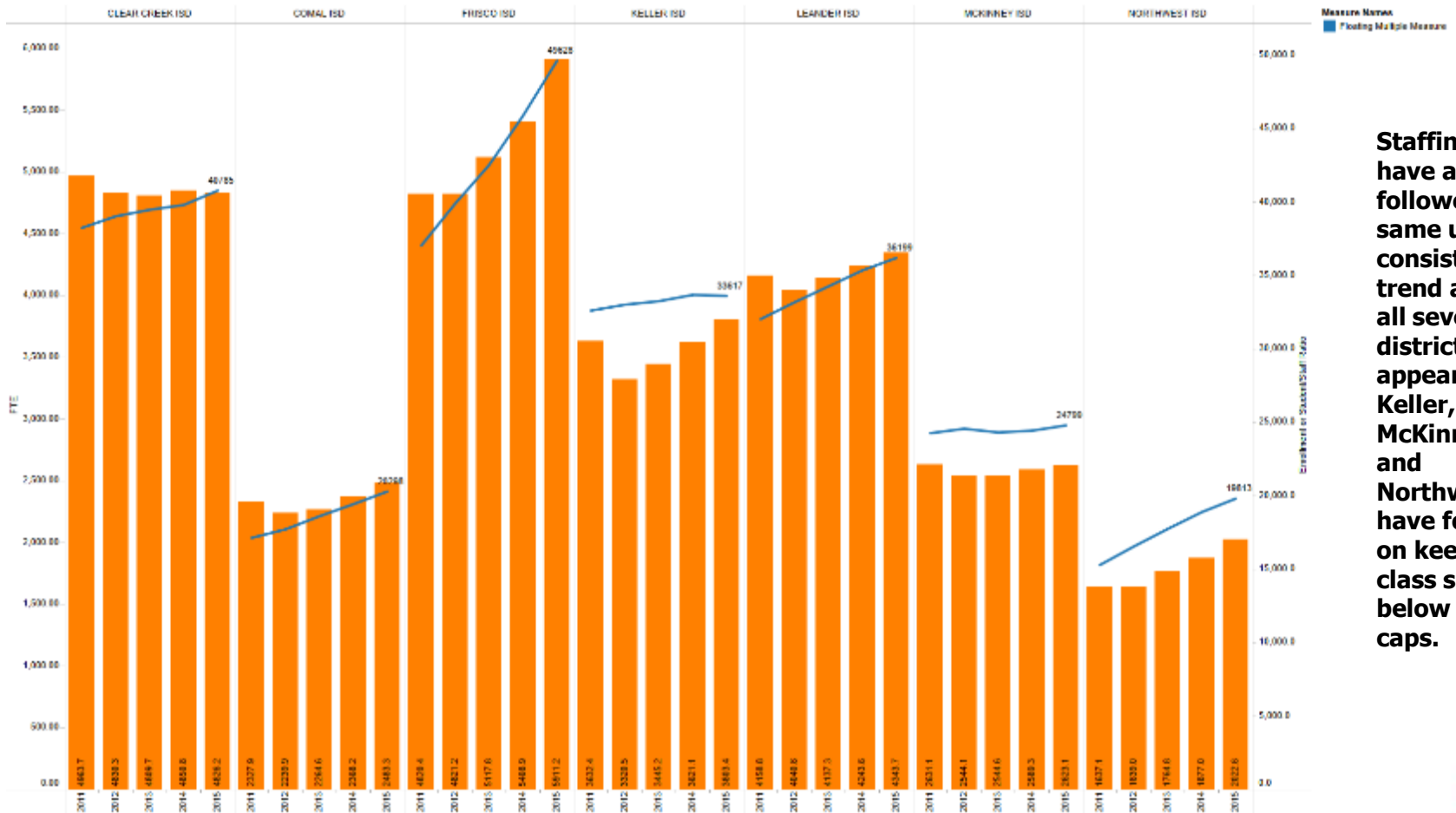
Comparison School Districts

(NISD Board Report, April 2016)

- Clear Creek ISD
- Comal ISD
- Frisco ISD
- Keller ISD
- Leander ISD
- McKinney ISD

Staffing Ratios

Staffing Ratios
 CLEAR CREEK ISD, COMAL ISD, FRISCO ISD and 4 more
 SOURCE: TEA Salary Data PIR



Staffing ratios have all followed the same upward consistent trend across all seven districts. It appears that Keller, McKinney, and Northwest have focused on keeping class size below the caps.

School Size Classification

- 6A – 2150 and above
- 5A – 1100-2149
- 4A – 480-1099
- 3A – 221-479
- 2A – 105-220
- 1A – 104 and below

NISD High School Comparison

Campus	Capacity	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23
Northwest High School	2,525	2,009	1,715	1,742	1,843	1,938	2,084	2,179
Byron Nelson High School	2,400	2,556	2,620	2,662	2,693	2,849	2,984	3,149
Eaton High School	2,500	1,612	2,173	2,398	2,532	2,720	2,927	3,049
Steele Accelerated High School	450	161	161	161	161	161	161	161
Denton Creek		47	32	32	31	31	31	31
HIGH SCHOOL TOTALS	7,875	6,387	6,703	6,997	7,262	7,701	8,189	8,571
High School Absolute Growth		407	316	293	265	439	488	382
High School Percent Growth		6.81%	4.95%	4.38%	3.79%	6.05%	6.33%	4.67%

School Size Classification

- There are currently 310 schools in the 6A classification in Texas for the 2016-2017 school year
- 87 of those schools have 3,000 or more students
- In District 5 (BNHS), 5* of the 8 schools have more than 3,000 students.

**1 of the schools below 3,000 has only 11-12th graders*

High School Comparison – Index 1

District	School	Enrollment (UIL)	Index 1- 2016	Domain 1 Letter - Projected
Keller	Timber Creek HS	3077	89	B
HEB	Trinity HS	3378	88	B
HEB	Bell HS	2951	86	A
Lewisville	Lewisville HS	4379	81	C
Lewisville	Flower Mound HS	3541	95	A
Lewisville	Hebron HS	3454	87	A
Coppell	Coppell HS	3646	93	A
Round Rock	Round Rock HS	3186	91	A
Arlington	Bowie HS	3064	72	C
Irving	MacArthur HS	3483	76	C
Northwest	Northwest HS	2079	82	A
Northwest	Byron Nelson HS	2632	89	B
Northwest	Eaton HS	1964	84	B



High School Comparison – Index 2

District	School	Enrollment (UIL)	Index 2- 2016	Domain 2 Letter - Projected
Keller	Timber Creek HS	3077	29	C
HEB	Trinity HS	3378	28	C
HEB	Bell HS	2951	29	C
Lewisville	Lewisville HS	4379	33	B
Lewisville	Flower Mound HS	3541	31	C
Lewisville	Hebron HS	3454	27	C
Coppell	Coppell HS	3646	26	C
Round Rock	Round Rock HS	3186	31	C
Arlington	Bowie HS	3064	29	C
Irving	MacArthur HS	3483	25	C
Northwest	Northwest HS	2079	23	C
Northwest	Byron Nelson HS	2632	26	D
Northwest	Eaton HS	1964	24	D



High School Comparison – Index 3

District	School	Enrollment (UIL)	Index 3 - 2016	Domain 3 Letter -Projected
Keller	Timber Creek HS	3077	53	B
HEB	Trinity HS	3378	46	C
HEB	Bell HS	2951	48	B
Lewisville	Lewisville HS	4379	47	B
Lewisville	Flower Mound HS	3541	55	B
Lewisville	Hebron HS	3454	36	D
Coppell	Coppell HS	3646	50	B
Round Rock	Round Rock HS	3186	52	C
Arlington	Bowie HS	3064	41	C
Irving	MacArthur HS	3483	45	B
Northwest	Northwest HS	2079	45	B
Northwest	Byron Nelson HS	2632	50	D
Northwest	Eaton HS	1964	41	C



High School Comparison – Index 4

District	School	Enrollment (UIL)	Index 4 - 2016	Domain 4 Letter - Projected
Keller	Timber Creek HS	3077	81	D
HEB	Trinity HS	3378	83	D
HEB	Bell HS	2951	86	C
Lewisville	Lewisville HS	4379	76	D
Lewisville	Flower Mound HS	3541	90	C
Lewisville	Hebron HS	3454	84	D
Coppell	Coppell HS	3646	87	C
Round Rock	Round Rock HS	3186	92	B
Arlington	Bowie HS	3064	77	D
Irving	MacArthur HS	3483	75	D
Northwest	Northwest HS	2079	81	C
Northwest	Byron Nelson HS	2632	85	C
Northwest	Eaton HS	1964	57 (does not include juniors or seniors)	-



High School Comparison – Academic Distinctions

District	School	Enrollment (UIL)	AADDs - 2016
Keller	Timber Creek HS	3077	1
HEB	Trinity HS	3378	ALL
HEB	Bell HS	2951	ALL
Lewisville	Lewisville HS	4379	4
Lewisville	Flower Mound HS	3541	2
Lewisville	Hebron HS	3454	2
Coppell	Coppell HS	3646	5
Round Rock	Round Rock HS	3186	1
Arlington	Bowie HS	3064	5
Irving	MacArthur HS	3483	1
Northwest	Northwest HS	2079	None
Northwest	Byron Nelson HS	2632	None
Northwest	Eaton HS	1964	None



Strengths and Capacities of NISD High Schools

- NISD Current staffing ratios allow for smaller class sizes than state averages and will continue to provide quality educational opportunities
- Academies and Career Pathways allow for relationships between teachers/students to replicate “small school atmospheres”
- Academic programs- Increased numbers at each high school could allow for additional opportunities for things such as Dual-credit to be provided on the campus
- Larger high schools have shown a trend to greater success in Fine Arts and Athletics

Conclusion

Dr. Warren

Committee Recommendation Recap

LRPC Recommends NISD Board of Trustees Call May Election for \$399 million.

Total Recommended Bond Package

\$398,840,184

Student Population Growth (66%)

New Facilities, Replacement Facilities, Expansions & Land Acquisition

\$263,991,892

Aging Conditions of Existing Facilities (8%)

Furniture, Roofing, Code Compliance, MEP, Fire Alarms & Water Intrusion

\$32,268,437

Safety & Security of our Students & Staff (4%)

Secure Entrances, Door Hardware, Access Control, Security Cameras, Intercom & Phone Systems

\$14,081,601

Technology Infrastructure & Devices (9%)

Infrastructure & Backbone, Student & Staff Device Refresh, Virtual Desktops

\$35,396,935

Advancing Student Programs (13%)

CTE, Athletics & Fine Arts

\$51,101,320

Important Dates

- Monday, February 13, 2017 – On Agenda for Board to Call Bond (Friday, February 17 is the Deadline to Call Election for May 2017)
- Voter Education Efforts: February – May 6, 2017
- Deadline to Register to Vote: Thursday, April 6, 2017
- Early Voting: Monday, April 24 – Tuesday, May 2, 2017
- Election Day: Saturday, May 6, 2017

Discussion