	A REAL PROPERTY AND A REAL PROPERTY A REAL PROPERT
NOTICE OF MEETING Notice is hereby given of a Board of Education Committee of the Whole meeting of School District No. 17, in the County of Douglas, which will be held at 6:00 p.m. on Monday, November 10, 2014 at 5606 South 147th Street, Omaha, Nebraska. Agenda for such meeting, kept continuously current, is available for public inspection at the office of the superintendent at 5606 South 147th Street, Omaha, Nebraska. Michael Kennedy Secretary 11-7-14	THE DAILY RECORD OF OMAHA         LYNDA K. HENNINGSEN, Publisher PROOF OF PUBLICATION         UNITED STATES OF AMERICA, The State of Nebraska, District of Nebraska, County of Douglas, City of Omaha,         Jss.         Jss.         District of Nebraska, County of Douglas, City of Omaha,         Jss.         Jss.         District of Nebraska, County of Douglas, City of Omaha,         J BOYD         Deing duly sworn, deposes and says that she is         LEGAL EDITOR         of THE DAILY RECORD, of Omaha, a legal newspaper, printed and published daily in the English language, having a bona fide paid circulation in Douglas County in excess of 300 copies, printed in Omaha, in said County of Douglas, for more than fifty-two weeks lass past; that the printed notice hereto attached was published in THE DAILY RECORD, of Omaha, 9, November 7, 2014
	That said Newspaper during that time was regularly published and in general circulation in the County of Douglas, and State of Nebraska         In general circulation in the County of Douglas, and State of Nebraska         ELLEN FREEMAN         My Comm Exp. Dec. 11, 2017         Publisher's Fee         Additional Copies         14.90         Total         Notary Public in and for Douglas County, State of Nebraska

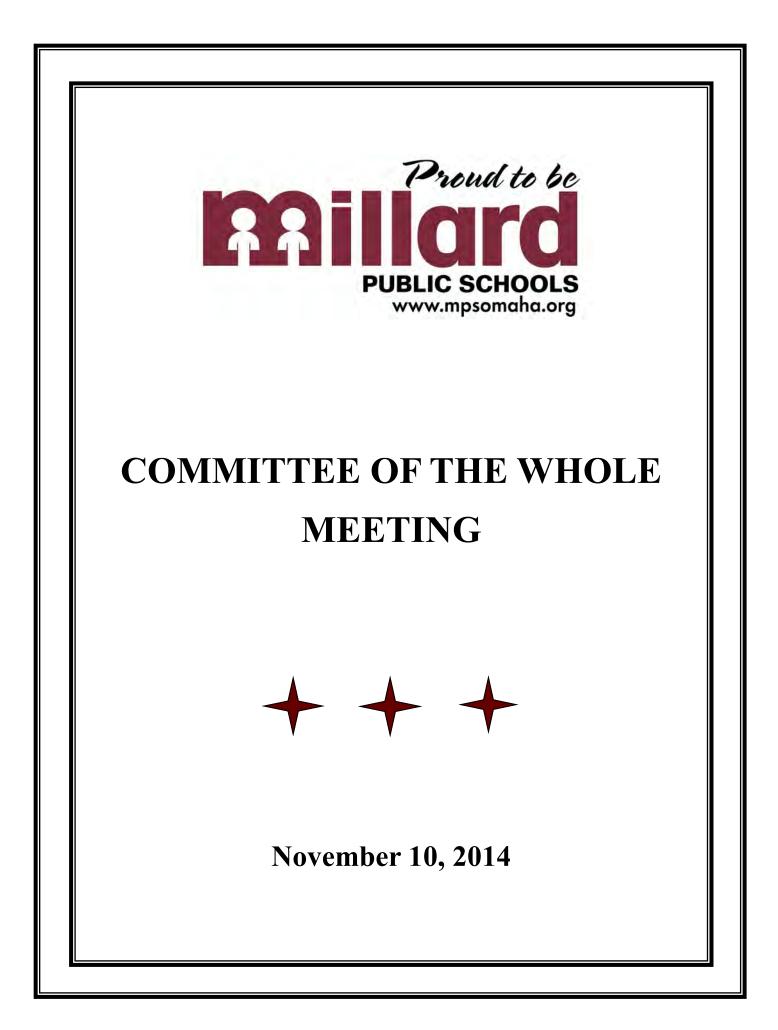
### **COMMITTEE OF THE WHOLE MEETING**

### November 10, 2014

### NAME:

**REPRESENTING:** 

<Laurd Carlouic Dampson 0 E and MSAP RAUE A



### MILLARD PUBLIC SCHOOLS BOARD COMMITTEE OF THE WHOLE

The Board of Education Committee of the Whole will meet on Monday, November 10, 2014 at 6:00 p.m. at the Don Stroh Administration Center, 5606 South 147th Street.

### The Public Meeting Act is posted on the Wall and Available for Public Inspection

Public Comments on agenda items - This is the proper time for public questions and comments on agenda items only. <u>Please make sure a request form is given to the Board Vice-President before the meeting begins.</u>

### <u>AGENDA</u>

- 1. Summer Projects
- 2. Selective Abandonment Process
- 3. Drugs and Alcohol

### AGENDA SUMMARY SHEET

AGENDA ITEM:	2015 Summer Projects
<b>MEETING DATE:</b>	November 10, 2014
DEPARTMENT:	General Administration
TITLE & BRIEF DESCRIPTION:	2015 Summer Projects – A report of the construction projects proposed for next summer.
ACTION DESIRED:	Approval Discussion Information Only
BACKGROUND:	Each year the District engages in "Summer Projects." In the 11 years of 2004-2014, the total average cost (includes contingency and soft costs) for summer projects has been in the neighborhood of \$3.25 m. Included in the 2013 Bond was \$33,000,000 for summer projects over 5 years, resulting in an annual budget of \$6,600,000. In recognition that bond funding is currently the only viable source to support summer projects, it has been decided to reduce the planned annual spend to its previous level of \$3.25 m, enabling the budget to fund a total of 9 years. We have also decided to fund \$0.5 m, of the \$1.0 m traditionally reserved for "emergency projects" from summer projects. The resulting annual budget (all in) will be calculated as: $$2.75 \text{ m} + $0.5 \text{ m} = $3.25 \text{ m}$ .
OPTIONS AND ALTERNATIVES:	
<b>RECOMMENDATION:</b>	n/a
STRATEGIC PLAN REFERENCE:	n/a
IMPLICATIONS OF ADOPTION/REJECTION:	n/a
TIMELINE:	Design work will commence as soon as possible. The projects will commence immediately after school dismisses for the summer break.
<b>RESPONSIBLE PERSON:</b>	Ed Rockwell (Gen. Mgr. for Support Services) and Ken Fossen (Assoc. Supt. Gen. Admin.)
SUPERINTENDENT'S APPROVAL:	Jin Sutter

Board Committee Meeting November 10, 2014

# **BOND ISSUE 2011**

- 1. Construction & Renovation Projects
- 2. Summer Projects
- 3. Technology Replacements
- 4. Energy Conservation Projects
- 5. Security Projects

# **BOND ISSUE 2013**

- 1. Construction & Renovation Projects
- 2. Summer Projects
- 3. Technology Replacements
- 4. Energy Conservation Projects
- 5. Security Projects

# **TONIGHT'S DISCUSSIONS**

Stand Alone or w/ Other Projects

### Summer Projects

- Stand Alone Project
- Alternates to Bond Projects
- Emergency Project (1)

# **Energy Conservation Projects**

- Lighting ProjectsOccupancy Sensors

Hail Insurance Repairs

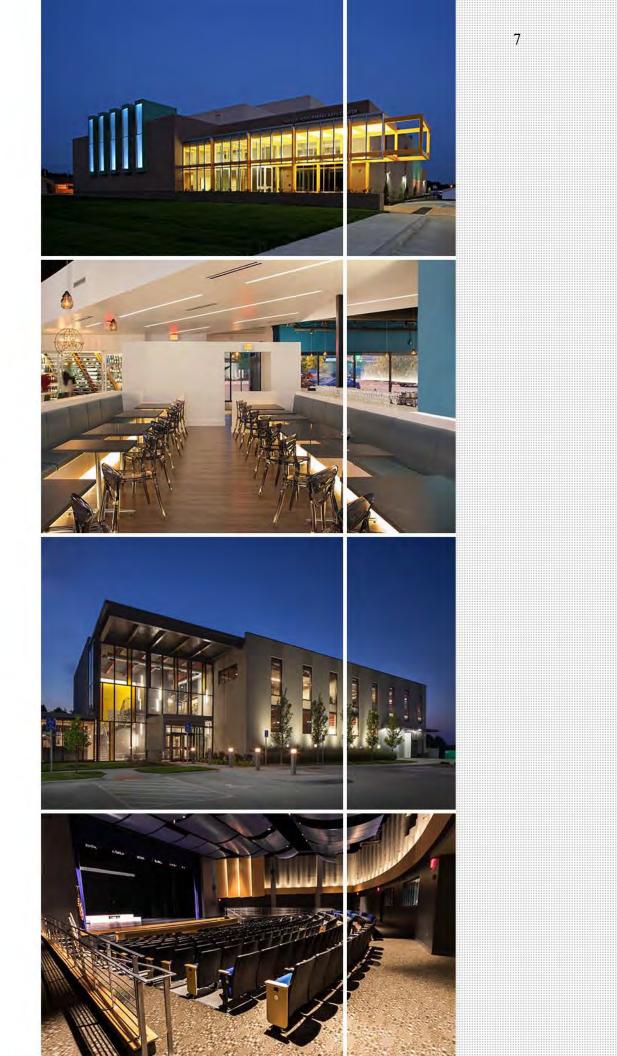
(Increased Contingency)

(Insurance Proceeds)

### (Bond Proceeds)



mechanical | electrical | lighting | technology | commissioning





CONSERVATION

experience

# 111 1111



- History of District Energy Saving Projects
- Project with Energy Saving Measures Incorporated
- Energy Saving Project List
- Lighting Upgrades
- Potential Cost Savings and Paybacks



- District Wide Energy Saving Masterplan Completed 2011
- District Energy Savings Projects included in 2011 Bond that failed
- Energy Savings Projects not included in the 2013 Bond



- Energy saving measures are included in maintenance projects for nominal additional cost
- Sandoz Rooftop Unit Replacement - Completed Summer 2007
- Cather Rooftop Unit Replacement - Completed Summer 2010
- Projects save \$33,000 per year each
- 14 year payback for maintenance project
- < 3 payback for additional efficiency</li> measures over code minimum compliant equipment



RTU Being Hoisted to Roof at Sandoz in 2007



- Lighting and Lighting Control Upgrades in areas of significant work at Bryan and Montclair Elementary
- LED exterior lighting with dimming controls to save energy installed in areas of repaving at North Middle and Cather
- LED exterior lighting with dimmed occupancy controls planned at Ron Witt exterior renovation
- Occupancy sensors on individual warehouse fixtures at Ron Witt
- Typical payback < 3 years</li>



LED Site Lighting Fixtures Installed at Cather in 2012

# **Energy Saving Project Master List**

	Project Group 1		Project Group 2	3	Project Group 3 Project Group 4	4 Project Group 5	Project Group 6				Future Project Groups							
Location	Replace Existing T12 Lighting	Implement Occupancy Sensors Concurrent With Lighting	Combined Project Cost	Implement Occupancy Sensors	Optimize Control System	Existing Building Commissioning	Replace Electric Heat	Add VFDs to Pump Motor	Add VFDs to Fan Motor	Add VFD to Cooling Tower Fan Motor	Combined Project Cost	G-7A Replace pneumatic with DDC	G-7B Optimize Control System	Combined Project Cost	Building Envelope Thermography	Replace Boilers with High- Efficiency, Condensing Boilers	Replace Existing Air-Cooled Chillers	Combined Estimated Cost/Building
Abbott Elementary	\$155,522	\$51,841	\$207,363							\$7,500	\$7,500					\$125,000		\$554,726
Ackerman Elementary				\$64,443		\$21,000		\$10,000	\$7,500		\$17,500						\$280,200	\$400,643
Aldrich Elementary				\$58,744				\$10,000			\$10,000	\$51,100		\$51,100	\$4,200	\$125,000	\$255,500	\$565,644
Black Elk Elementary				\$60,293	\$5,000	\$20,000		\$10,000			\$10,000				\$4,200			\$109,493
Bryan Elementary				\$49,652								\$43,200		\$43,200				\$136,052
Cather Elementary				\$51,640														\$51,640
Cody Elementary				\$50,469														\$50,469
Cottonwood Elementary				\$52,770		\$20,000				\$7,500	\$7,500	\$45,900	\$5,000	\$50,900		\$125,000		\$314,570
Disney Elementary				\$53,892		\$20,000	\$55,000					\$46,900	\$5,000	\$51,900				\$232,692
Ezra Elementary	\$161,309	\$53,769	\$215,078		\$5,000											\$125,000		\$560,156
Harvey Oaks Elementary	\$129,837	\$43,279	\$173,116					\$10,000			\$10,000	\$37,700		\$37,700		\$125,000	\$188,200	\$754,832
Hitchcock Elementary				\$46,003								\$40,100		\$40,100		\$125,000		\$251,203
Holling Heights Elementary				\$51,435	\$5,000	\$20,000												\$76,435
Montclair Elementary				\$74,819		\$22,000	500000	\$10,000			\$10,000	\$65,100	\$5,000	\$70,100			\$325,300	\$1,082,319
Morton Elementary				\$52,078	\$5,000	\$20,000	\$55,000					\$45,300	\$33,964	\$79,264				\$290,605
Neihardt Elementary	\$228,155	\$76,052	\$304,207		\$5,000			\$10,000	\$7,500		\$17,500					\$125,000		\$773,414
Norris Elementary				\$49,571														\$49,571
Reagan Elementary																		No Recc.
Reeder Elementary				\$72,911	\$5,000	\$20,000									\$4,200			\$102,111
Rockwell Elementary				\$49,894														\$49,894
Rohwer Elementary				\$72,269	\$5,000	\$20,000												\$97,269
Sandoz Elementary				\$51,638		\$20,000												\$71,638
Upchurch Elementary					\$5,000	\$20,000									\$4,200			\$29,200
Wheeler Elementary				\$86,590														\$86,590
Willowdale Elementary	\$167,235	\$55,745	\$222,980					\$10,000			\$10,000	\$48,500		\$48,500	\$4,200	\$125,000	\$242,400	\$934,560
Andersen MS				\$131,758		\$35,000		\$20,000			\$20,000					\$140,000		\$346,758
Beadle MS				,	\$10,000	\$35,000		. ,										\$45,000
Central MS	\$520,222	\$173,407	\$693,629		\$10.000	\$42,000				\$7,500	\$7,500	\$150,800		\$150,800		\$1,000,000		\$2,755,858
Kiewit MS				\$148,953	\$10,000			\$20,000		\$7,500	\$27,500					\$140,000		\$353,953
North MS				\$128,056	\$10,000	\$35,000		. ,		. ,						. ,		\$173,056
Russell MS				\$125.340	\$10.000	\$35.000		\$20.000		\$7.500	\$27,500				\$7.500	\$250.000		\$482,840
Horizon HS				<i> </i>	<i></i>	<i></i>		+_0,000			<i> </i>				<i></i>	+,		+ ,
Millard North HS	\$611,435	\$456,421	\$1,067,856		\$20.000	\$75,000				\$10,000	\$10,000	\$185,800		\$185,800		\$250,000		\$2,872,312
Millard South HS	<i></i> ,	· · · · · · · · · · · · · · · · · · ·	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	\$464,974	\$20,000	\$75,000	\$800,000			÷,000	Ţ, <b></b>	÷,		+		+,000		\$1,359,974
Millard West HS				\$50,068	\$20,000	\$75,000	<i></i>											\$145,068
Don Stroh Administrative Center	\$86,643	\$28,881	\$115,524	<i></i> ,	\$5.000	\$15,000												\$251,048
Ron Witt Support Services Center	<i>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</i>	+	,			,			1									,,
Support Services Center				\$43,537						1						1		\$43,537
Estimated Project Total**			\$2,999,753	\$2,141,797	\$155.000	\$645.000	\$1,410,000				\$192.500			\$809,364	\$28,500	\$2,780,000	\$1,291,600	\$12,453,514
Estimated Range of Payback***	5-10 yrs	0-5 vrs	3-6 yrs	2-5 yrs	0-5 yrs	1-3 vrs	10-15 yrs	5-10 yrs	5-10 yrs	10-15 yrs	5-15 yrs	15-20 yrs	0-5 vrs	0 - ? Yrs	20+ yrs	20+ yrs	20+ yrs	<b>4</b> 12,400,014

\*\* Note that while costs are based on engineering judgement, no detailed estimates have been performed on an individual building or system basis.

\*\*\* Range of payback provided for general compreison only without any design completed. Paybacks will vary by facility.

Projects were identified based on Level I ASHRAE Energy Audit, review of existing building construction documents and building walkthroughs.

Project Estimates Updated September 11, 2014 and are revised with some increase from original May 1, 2012 Project Estimates

Projects do no include contingency or soft costs. MEI recommends a 10% construction contingency.

# **Energy Saving Project Master List**

Project or Project Group		Project Group 1	1	Project Group 2	P oje	ct Group	Project Group 4	Project Group 5		Project G	Group 6				Future F	Project Groups			
Location	Replace Existin T12 Lighting	Implement	Combined Project Cost	Implement Occupancy Sensors	Optin	ze Control vstem		Replace Electric Heat	Add VFDs to Pump Motor	Add VFDs to Fan Motor	Add VFD to Cooling Tower Fan Motor	Combined Project Cost	G-7A Replace pneumatic with DDC	G-7B Optimize Control System		Building Envelope	Replace Boilers with High- Efficiency, Condensing Boilers	Replace Existing Air-Cooled Chillers	Combined Estimated Cost/Building
Abbott Elementary	\$155,522	\$51,841	\$207,363								\$7,500	\$7,500					\$125,000		\$554,726
Ackerman Elementary				\$64,443			\$21,000		\$10,000	\$7,500		\$17,500						\$280,200	\$400,643
Aldrich Elementary				\$58,744					\$10,000			\$10,000	\$51,100		\$51,100	\$4,200	\$125,000	\$255,500	\$565,644
Black Elk Elementary				\$60,293		5,000	\$20,000		\$10,000			\$10,000				\$4,200			\$109,493
Bryan Elementary				\$49,652									\$43,200		\$43,200				\$136,052
Cather Elementary				\$51,640															\$51,640
Cody Elementary				\$50,469															\$50,469
Cottonwood Elementary				\$52,770			\$20,000				\$7,500	\$7,500	\$45,900	\$5,000	\$50,900		\$125,000		\$314,570
Disney Elementary				\$53,892			\$20,000	\$55,000					\$46,900	\$5,000	\$51,900				\$232,692
Ezra Elementary	\$161,309	\$53,769	\$215,078			5,000											\$125,000		\$560,156
Harvey Oaks Elementary	\$129,837	\$43,279	\$173,116						\$10,000			\$10,000	\$37,700		\$37,700		\$125,000	\$188,200	\$754,832
Hitchcock Elementary				\$46,003									\$40,100		\$40,100		\$125,000		\$251,203
Holling Heights Elementary				\$51,435		5,000	\$20,000												\$76,435
Montclair Elementary				\$74,819			\$22,000	500000	\$10,000			\$10,000	\$65,100	\$5,000	\$70,100			\$325,300	\$1,082,319
Morton Elementary				\$52,078		5,000	\$20,000	\$55,000					\$45,300	\$33,964	\$79,264				\$290,605
Neihardt Elementary	\$228,155	\$76,052	\$304,207			5,000			\$10,000	\$7,500		\$17,500					\$125,000		\$773,414
Norris Elementary				\$49,571															\$49,571
Reagan Elementary																			No Recc.
Reeder Elementary				\$72,911		5,000	\$20,000									\$4,200			\$102,111
Rockwell Elementary				\$49,894							•								\$49,894
Rohwer Elementary				\$72,269		5,000	\$20,000												\$97,269
Sandoz Elementary				\$51,638		,	\$20,000												\$71,638
Upchurch Elementary						5.000	\$20,000									\$4,200			\$29,200
Wheeler Elementary				\$86,590		-,	* -,				1					+ /			\$86,590
Willowdale Elementary	\$167,235	\$55.745	\$222,980						\$10.000			\$10.000	\$48,500		\$48,500	\$4,200	\$125,000	\$242,400	\$934,560
Andersen MS		+, -	, ,	\$131,758			\$35,000		\$20,000			\$20,000	+ - /		• - •	+ /	\$140,000	· / · · ·	\$346,758
Beadle MS				<b>.</b>	5	0,000	\$35,000					+==,===					<b>,</b> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		\$45,000
Central MS	\$520,222	\$173,407	\$693.629			0.000	\$42,000				\$7,500	\$7,500	\$150.800		\$150,800		\$1,000,000		\$2,755,858
Kiewit MS		<b></b>	,,	\$148,953		0,000	<b>•</b> • • • • • • • • • • • • • • • • • •		\$20,000		\$7,500	\$27,500	<i><b></b></i>		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		\$140,000		\$353,953
North MS				\$128,056		0,000	\$35,000		, ,,			, ,					, ,,		\$173,056
Russell MS				\$125,340		0,000	\$35,000		\$20,000		\$7,500	\$27,500				\$7,500	\$250,000		\$482,840
Horizon HS						.,	<i><b>4</b>00,000</i>		420,000		.,	<b>v</b> , <b>v</b>				<i></i> ,	4200,000		1.02,0.0
Millard North HS	\$611,435	\$456,421	\$1,067,856			0,000	\$75,000				\$10,000	\$10,000	\$185,800		\$185,800		\$250,000		\$2,872,312
Millard South HS	¢311,100	<i>Q</i> .30, 121	+.,,	\$464,974		20,000	\$75,000	\$800,000			,	÷,000			÷.03,000		· • = 0 0,000		\$1,359,974
Millard West HS				\$50,068		0.000	\$75,000	\$555,555											\$145,068
Don Stroh Administrative Cente	\$86,643	\$28,881	\$115,524	\$00,000		5.000	\$15,000												\$251,048
Ron Witt Support Services Cen	er	φ20,001	\$110,024			,	<i><i>w</i>10,000</i>			1			_		I	1		1	\$201,040
Support Services Center				\$43.537						1	1				l l	1	1	1	\$43,537
Estimated Project Total**			\$2,999,753	\$2,141,797	¢	55,000	\$645,000	\$1,410,000				\$192.500			\$809,364	\$28,500	\$2,780,000	\$1,291,600	\$12,453,514
	* 5-10 yrs	0.5 \rms				5 yrs			5 10 yrrc	5 10 yrs	10.15 \		15 20 yrs	0.5.100					φ12, <del>4</del> 33,314
Estimated Range of Payback*		0-5 yrs	3-6 yrs	2-5 yrs			1-3 yrs	10-15 yrs	5-10 yrs	5-10 yrs	10-15 yrs	5-15 yrs	15-20 yrs	0-5 yrs	0 - ? Yrs	20+ yrs	20+ yrs	20+ yrs	4

\*\* Note that while costs are based on pgineering judgement, no detailed estimates have been performed on an individual building or estem basis.

\*\*\* Range of payback provided for general compreison only without any design completed. Paybacks will vary by facility.

Projects were identified based on Level I A URAE Energy Audit, review of existing building construction documents and building alkthroughs.

012 Project Estimates Project Estimates Updated September 11, 2

Projects do no include contingency or soft costs. MEI recommends a 10% construction contingency.

# Lighting and Occupancy Sensor Upgrade Projects

Project / Recommendation:*	Replace Existing T12 Lighting	Implement Occupancy Sensors	Building Cost Estimate 2014
Abbott Elementary	E	E	\$238,467
Ackerman Elementary		E	\$74,109
Aldrich Elementary		E	\$67,556
Black Elk Elementary		E	\$69,337
Bryan Elementary		E	\$57,100
Cather Elementary		E	\$59,386
Cody Elementary		E	\$58,039
Cottonwood Elementary		E	\$60,686
Disney Elementary		E	\$61,976
Ezra Elementary	E	E	\$247,340
Harvey Oaks Elementary	E	E	\$199,083
Hitchcock Elementary		E	\$52,904
Holling Heights Elementary		E	\$59,150
Montclair Elementary		E	\$86,042
Morton Elementary		E	\$59,889
Neihardt Elementary	E	E	\$349,838
Norris Elementary		E	\$57,006
Reagan Elementary			\$0
Reeder Elementary		E	\$83,848
Rockwell Elementary		E	\$57,378
Rohwer Elementary		E	\$83,110
Sandoz Elementary		E	\$59,384
Upchurch Elementary			\$0
Wheeler Elementary		E	\$99,579
Willowdale Elementary	E	E	\$256,427
Andersen MS		E	\$151,521
Beadle MS		E	\$0
Central MS	E	E	\$797,673
Kiewit MS		E	\$171,295
North MS		E	\$147,264
Russell MS		E	\$144,141
Horizon			\$0
Millard North HS	E	E	\$1,228,034
Millard South HS		Е	\$534,720
Millard West HS		E	\$57,578
Don Stroh Administrative Center	E	E	\$132,853
Support Services Center 1		E	\$50,068
			\$0
Total Order of Magnitude Cost**			\$5,912,783



# **Economic Considerations – T12 Buildings**

### Typical Classroom Comparison

Lighting System	System Cost	Energy Cost Per Year	Energy Savings	Total Cost Per Year	Savings	Payback (Years)	Payback Incorporating Labor
Existing 3 Lamp T12 System		\$531		\$645			
2L T8 Retrofit	\$3,059	\$143	\$387	\$181	\$464	6.60	5.44
2L T8 Replacement w/ WW	\$4,768	\$137	\$393	\$174	\$471	10.12	8.35
LED Replacement	\$3,731	\$73	\$457	\$73	\$571	6.53	5.44
LED Replacement w/ WW	\$5,140	\$76	\$455	\$76	\$569	9.03	7.52



# **Economic Considerations – T8 Buildings**

### Typical Classroom Comparison

Lighting System	System Cost	Energy Cost Per Year	Energy Savings	Total Cost Per Year	Savings	Payback (Years)	Payback Incorporating Labor
Existing 3 Lamp T8 System		\$370		\$427	\$0		
Add Occupancy Sensors	\$497	\$215	\$155	\$248	\$179	2.77	1.15
2L T8 Retrofit	\$3,059	\$143	\$227	\$181	\$246	12.43	8.40
2L T8 Replacement w/ WW	\$4,768	\$137	\$233	\$174	\$254	18.80	12.81
LED Replacement	\$3,731	\$73	\$297	\$73	\$354	10.54	7.66
LED Replacement w/ WW	\$5,140	\$76	\$294	\$76	\$352	14.62	10.60



11

# **Lighting Standards Referenced**

- ANSI/IES RP-3-13 American National Standard Practice on Lighting for **Educational Facilities**
- IES The Lighting Handbook, 10<sup>th</sup> Edition
- International Energy Conservation Code (IECC)

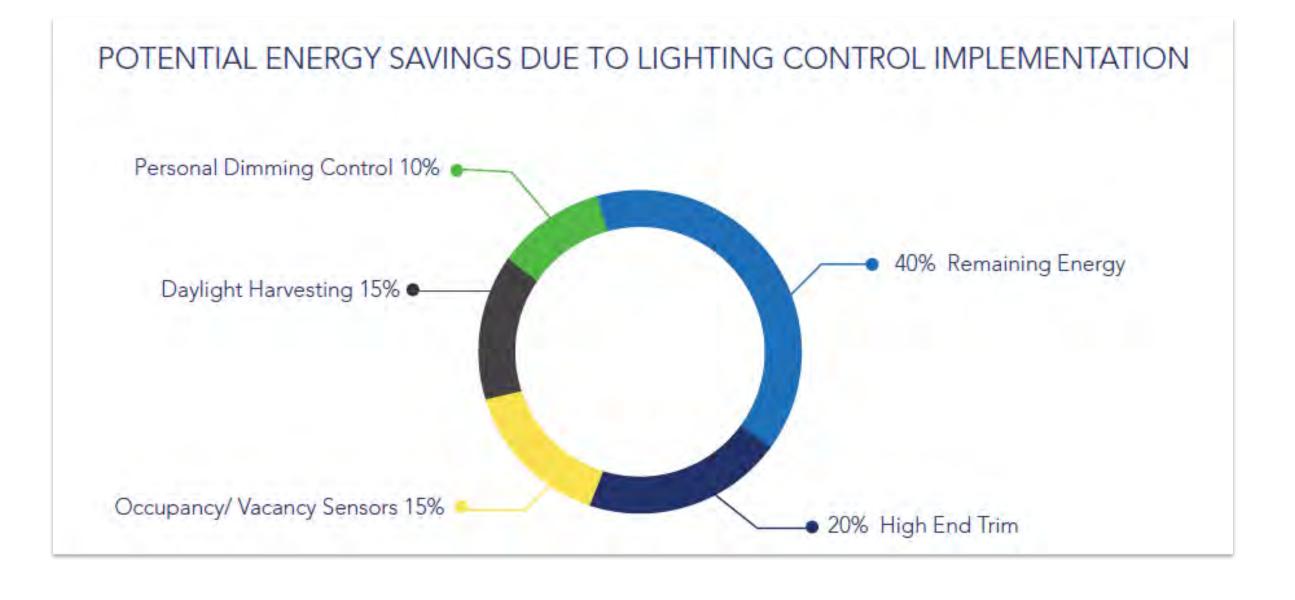








# Lighting Controls





# Lighting Quality – RP-3-13

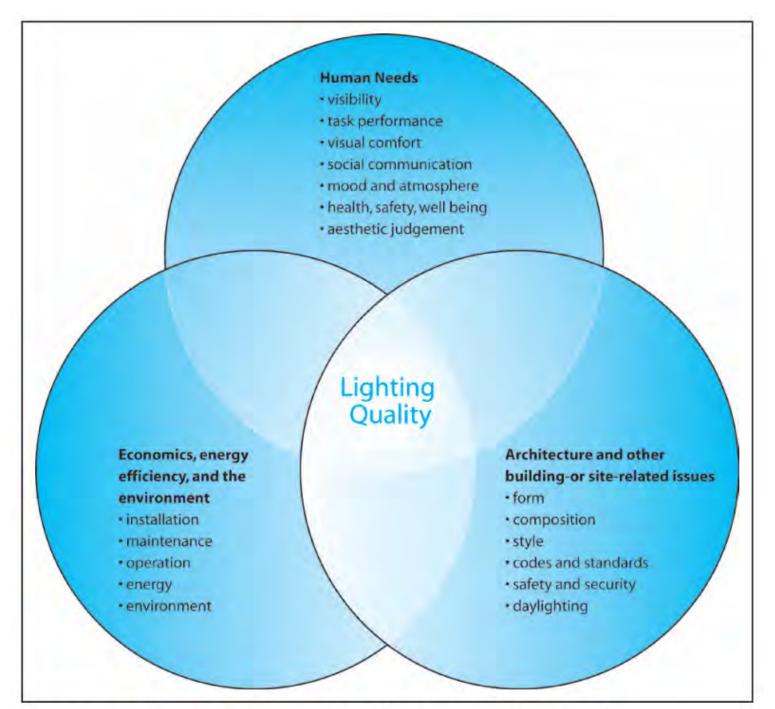


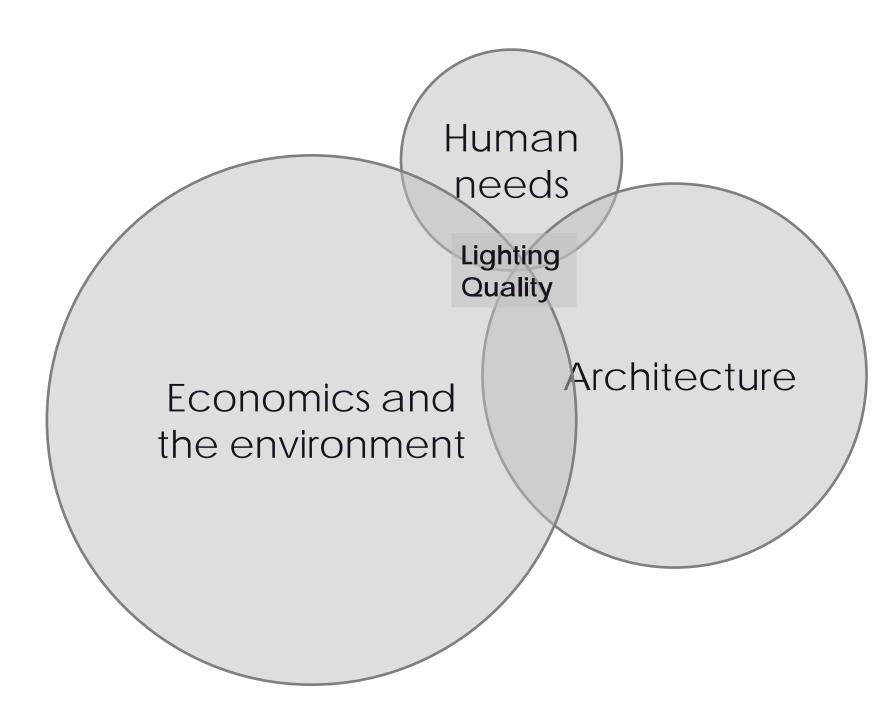
Figure 50: Lighting quality: the integration of human needs, architecture/interior design, and economics and the environment.



### MPS ENERGY SAVING PROJECTS

20

# Lighting Quality – Often Reality





### MPS ENERGY SAVING PROJECTS

21

# Human Considerations

- Color
- Modeling (Facial Appearance, Shadows)
- Glare
- Flicker
- Visual Comfort









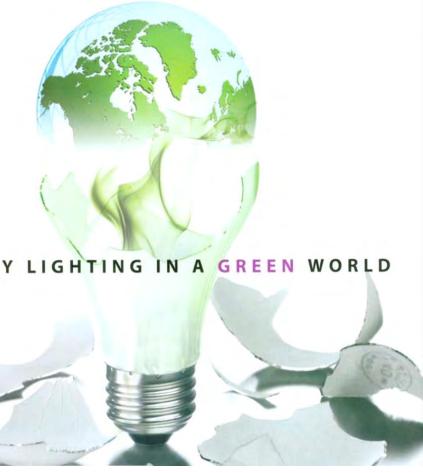


# **Lighting Economics Summary**

	Project Budget Total	Project Annual Savings	Annual Energy Savings	Portion of District Energy Bills Saved
T12 Lighting Upgrade Projects LED	\$2,999,754	\$448,119	\$358,524	8.64%
T12 Lighting Upgrade Projects T8	\$2,608,482	\$367,859	\$307,424	7.41%
Occupancy Sensor Projects	\$2,467,019	\$466,507	\$416,970	10.05%
Total	\$5,466,773	\$914,626	\$775,493	18.69%

District OPPD Bill Aug 2013 - August 2014

\$4,148,924.98







# **District Energy Saving Summary**

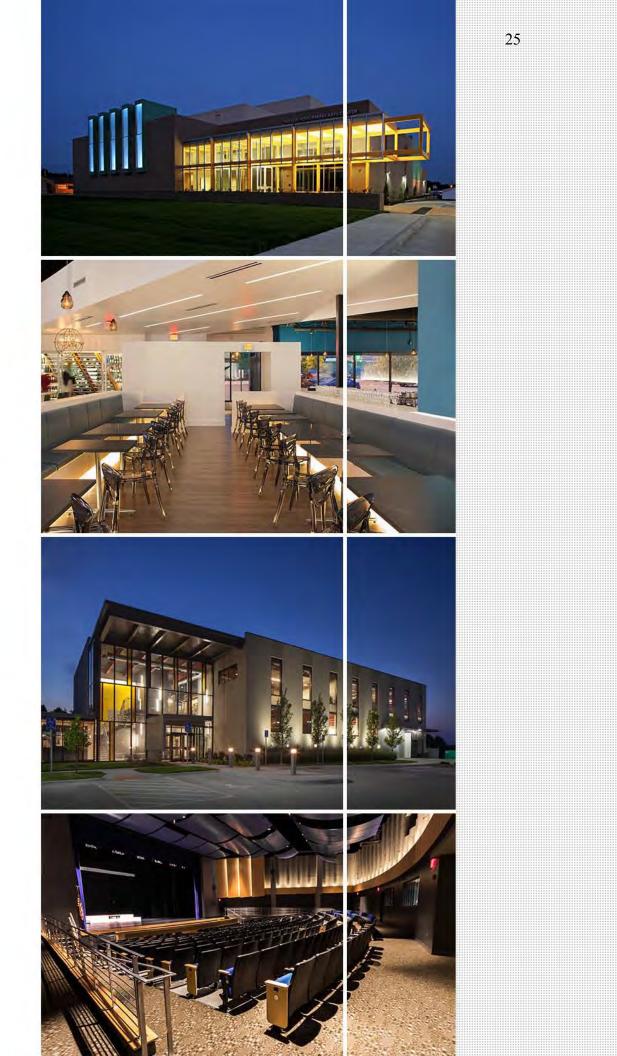
- Energy Saving projects with short term paybacks have been identified
- District is in position to capitalize on a favorable bid market
- Short term payback projects can bring significant energy savings
- With careful consideration and good design lighting upgrades can improve the quality of the learning environment







mechanical | electrical | lighting | technology | commissioning



Millard Public Schools

**Project Management** 

**Board of Education Meeting** 

November 10, 2014

# Summer Project Requests 2015

Millard Public Schools

Project Management

Projects were initially recommended and prioritized by the Project Management and Maintenance Departments, then reviewed by the District Projects Committee on October 6, 2014.

Millard Public Schools

**Project Management** 

### **Summary of Projects and Locations**

Roofing:

South High Phase V (2014) South High Phase VI Montclair Metal Roof (insurance)

Skylight Replacements Group I - Maintenance: (insurance claims)

Skylight Replacements Group II - PM: (insurance claims)

Drainage and Erosion:

Cather, Upchurch DSAC RMS

Aldrich, Black Elk, Willowdale KMS SHS, WHS

WHS Media Center Drainage Improvements

Millard Public Schools

**Project Management** 

### **Summary of Projects and Locations**

Athletic Facilities:Buell Stadium Turf Replacement (emergency budget)RMS Track ReplacementNHS Tennis Court ResurfacingWHS Track Structural Spray

Doors and Frames:

Ezra Gym Entrance & Vestibule

Flooring:

Abbott Cody Disney Hitchcock Rockwell (Open-Closed alternate)

(Open-Closed alternate)(Open-Closed alternate)(Open-Closed alternate)

Millard Public Schools

**Project Management** 

### **Summary of Projects and Locations**

Mechanical:UpchurchCondensate Trap PrimersNeihardtCooling Tower Pkg - ARockwellCooling Tower Pkg - AAMS and KMSCooling Towers Pkg - B(energy savings)NMSRTU Replacement Phase I

Electrical: (energy savings) (energy savings) (energy savings)

Harvey Oaks CMS DSAC Lighting & Occupancy Sensor Upgrades Lighting & Occupancy Sensor Upgrades Lighting & Occupancy Sensor Upgrades

Millard Public Schools

Project Management

### SHS Re-roofing Phase V (2014 remaining)









Millard Public Schools

Project Management

### **SHS Re-roofing Phase VI**









Millard Public Schools

Project Management

# **Montclair Standing Seam Roofing (insurance)**









Millard Public Schools

Project Management

#### **MPS Roof Statistics**

# <u>Magnitude of Existing Roofs</u> •3,011,691sq. ft. = 67 football fields or 69 acres

Required to achieve 20 year roof replacements: •150,585 sq. ft./year re-roofed •\$ 1.81 million/year budgeted (\$12/SF all-in)

Buildings with major roof areas beyond 20 years:

- I4 Elementary Schools
- 3 Middle Schools
- 3 High Schools
- 3 Support Buildings (Buell Stadium incl)



Regulation Football Field 150 ft x 300 ft = **45,000 SF** 

Millard Public Schools

Project Management

#### **Skylight Replacements Group I (insurance)**









RMS



Millard Public Schools

Project Management

#### **Skylight Replacements Group II (insurance)**



Aldrich







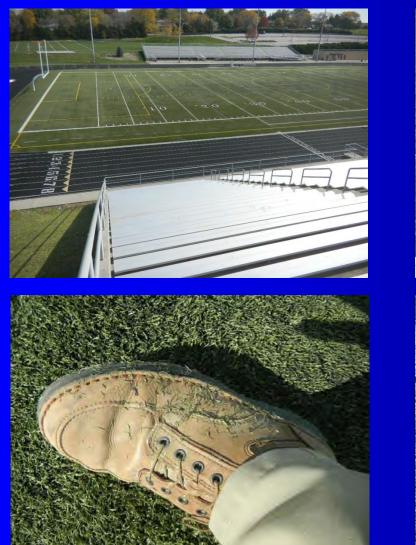


Willowdale

Millard Public Schools

Project Management

#### **Buell Stadium Turf Replacement**





Millard Public Schools

Project Management

#### WHS Media Center Drainage Improvements









Millard Public Schools

Project Management

#### **RMS Track Replacement**









Millard Public Schools

Project Management

#### **NHS Tennis Court Resurfacing**









Millard Public Schools

Project Management

#### WHS Structural Spray for Running Track









Millard Public Schools

Project Management

#### **Ezra Door and Frame Replacements**









Millard Public Schools

Project Management

#### **Abbott Flooring Improvements**









Millard Public Schools

Project Management

#### **Cody Flooring Improvements**









Millard Public Schools

Project Management

# **Disney Flooring Improvements**







Millard Public Schools

Project Management

#### **Hitchcock Flooring Improvements**









Millard Public Schools

Project Management

#### **Rockwell Flooring Improvements**









Millard Public Schools

Project Management

#### **Upchurch Condensate Trap Primers** (HHS 2012 shown)





06/13/2012





Millard Public Schools

Project Management

#### **Neihardt and Rockwell Cooling Towers Pkg - A**



Neihardt



Neihardt







Rockwell

Millard Public Schools

Project Management

#### **AMS and KMS Cooling Towers Pkg - B**



AMS



AMS





KMS

KMS

Millard Public Schools

Project Management

#### **NMS RTU Replacements Phase I**









Millard Public Schools

Project Management

#### Harvey Oaks – CMS – DSAC Lighting Upgrades











0

Millard Public Schools

**Project Management** 

#### District Facilities Current Summary Statistics

•Total number of facilities: <u>39</u> (not including portables or leased spaces)

•Average age of facilities: <u>32 years</u>

•Total gross floor plan all facilities: 3,678,225 square feet

•Total value of facilities: <u>\$467,625,279</u> (land values & contents excluded)

Millard Public Schools

**Project Management** 

#### **Facility Values / Capital Spending**

•Per 2014 HAKCO schedule, current replacement value of all District facilities (land values excluded) is **\$467,625,009** 

•\$3.25 mil/yr in capital spending represents just 0.7% of value/yr

•National school facility management experts recommend annual capitol spending at 1-2%/value/yr (\$4.7m/yr - \$9.4m/yr)

•If school facility life is 55 years, \$8.5 mil/yr in capital spending would be the required rate to equal the total value of \$468 mil

#### Millard Public Schools

#### Project Management

Bond Summer Projects 2015		Original Contract Award Target: \$2.75m (all-in)		
BOE Committee Meeting November 10, 2014				
Site	Project Description	Notes - Details	Cost Estimate	
Upchurch	HP Condensation Trap Primers	Sewer gas travels through dry traps	36,000	
NMS	RTU Replacements Phase I of III	Office & locker room recently replaced	516,000	
RMS	Running Track Replacement	Last M S track to be replaced	250,000	
NHS	Tennis Court Re-surfacing	SHS and WHS new/reno in 2014	100,000	
WHS	Running Track Structural Spray and Striping	Base mat is 7 years old and at risk	60,500	
SHS	Re-roofing Phase VI of VII	Areas R and Y (10,989 SF)	150,000	
Rockwell & Neihardt	Cooling Tower Replacement Pkg A	Bid as package / single contract	75,000	
AMS & KMS	Cooling Tower Replacement Pkg B	Bid as package / single contract	111,000	
WHS	Drainage Imrovements at Media Exterior	Grading, collection, piping, turf, stoops	90,000	
Cody	Flooring Replacement	Typical scope throughout	145,000	
Disney	Flooring Replacements	Open to Closed Project alternate	115,000	
Rockwell	Flooring Replacements	Open to Closed Project alternate	175,000	
Hitchcock	Flooring Replacements	Open to Closed Project alternate	110,000	
Abbott	Flooring Replacements	Open to Closed Project alternate	90,000	
NHS	Band Area Carpet Replacements	Addition/Reno Project alternate	26,500	
Ezra	Door Opening Replacements Kid's Net Ent	Open to Closed Project alternate	30,000	
Buell Stadium	Turf Replacement (from emergency budget)	Rock base and drainage remains	380,000	
		Contract Award Estimates	2,460,000	
		22% Soft Costs	541,200	
		10% Contingency	246,000	
		Sub-total	3,247,200	
	(Original Emergency Reserve \$500,000)	Emergency Reserve Balance	120,000	
		Total 2015 Summer Requests	\$3,367,200	

#### Millard Public Schools

#### Project Management

Energy, Insurance and Remaining 2014 Projects for 2015				
SHS	Re-roofing Phase V (remaining)	Sections withdrawn in 2014	213,762	
		From 2014 Summer Projects Budget	213,762	
Harvey Oaks	LED Lighting & Occupancy Sensor Upgrades	(\$ Bond excess contingency offset)	200,000	
CMS	LED Lighting & Occupancy Sensor Upgrades	(\$ Bond excess contingency offset)	800,000	
DSAC	LED Lighting & Occupancy Sensor Upgrades	(\$ Bond excess contingency offset)	135,000	
4		Sub-total Lighting Energy Projects	1,135,000	
Aldrich	Kalwall Replacement	Hail Damage (\$ insurance offset)	159,000	
Black Elk	Kalwall Replacement	Hail Damage (\$ insurance offset)	117,700	
Cather	Kalwall Replacement	Hail Damage (\$ insurance offset)	25,500	
Upchurch	Kalwall Replacement	Hail Damage (\$ insurance offset)	19,200	
Willowdale	Kalwall Replacement	Hail Damage (\$ insurance offset)	128,500	
KMS	Kalwall Replacement	Hail Damage (\$ insurance offset)	250,500	
RMS	Kalwall Replacement	Hail Damage (\$ insurance offset)	49,900	
SHS	Kalwall Replacement	Hail Damage (\$ insurance offset)	183,900	
WHS	Kalwall Replacement	Hail Damage (\$ insurance offset)	241,300	
DSAC	Kalwall Replacement	Hail Damage (\$ insurance offset)	21,000	
Montclair	Standing Seam Metal Replacement	Hail Damage (\$ insurance offset)	54,000	
		Sub-total Insurance	1,250,500	
Total Remaining 2014, Energy and Insurance Projects for 2015 2,599,262				
Total 2015 Summer Requests 3,367,200				
Grand Total Projects Managed in 2015 \$5,966,462				

Millard Public Schools

**Project Management** 

#### **Total Project Costs (all-in) by Discipline**

**Civil Projects** 880,500 841,500 **Architectural Projects** 738,000 **Mechanical Projects** 2,460,000 A-E Estimate of Total Bid Awards 246,000 Construction Cost Contingency (10%) Estimated Total Soft Costs (22%) 541,200 \$3,247,200 **Summer Project Requests** \$120,000 **Emergency Reserve Balance** \$3,367,200 **Total Budget Request** 

Millard Public Schools

**Project Management** 

#### **Cost Categories Defined**

- (A) Estimated Total Bid Awards: Anticipated results of bid openings
- (B) <u>Construction Cost Contingency</u>: 10% of (A)

(C) Estimated Total Soft Costs: 22% of (A)

- Architectural engineering fees, including contract administration
- Bid document printing and postage (plans and specifications)
- Survey, geotechnical, special testing and inspection fees
- HVAC air and water balancing, HVAC commissioning fees
- Project support costs to direct MPS vendors and sub-contractors
- (D) <u>Estimated Total Project Requests</u>: Sum of (A+B+C)

Millard Public Schools

Project Management

#### **Historical Funding for Summer Projects**

Very Dudested Astrol				
Year	Budgeted	Actual		
2004	2,246,500	2,246,500		
2005	1,327,274	1,327,274		
2006	3,426,145	2,720,221		
2007	5,791,696	5,485,020		
2008	4,182,414	4,015,854		
2009	1,000,000	1,024,009		
2010	5,233,920	4,715,541		
2011	4,446,000	3,687,259		
2012	3,303,040	3,143,249		
2013	0	0		
2014	6,501,858	7,239,433		
2015				
Total to-date	37,458,847	35,604,360		
Yearly Average	\$3,405,350	\$3,236,760		

#### Summer Project Funding 2004 - 2015

#### AGENDA SUMMARY SHEET

AGENDA ITEM:	Selective Abandonment Process	
MEETING DATE:	November 10, 2014	
DEPARTMENT:	General Administration	
TITLE & BRIEF DESCRIPTION:	Selective Abandonment Process – A process for reviewing existing programs for possible modification, reduction, or elimination.	
ACTION DESIRED:	Approval         Discussion         Information Only         .	
BACKGROUND:	The need for a selective abandonment process was discussed at the strategic planning session a few weeks ago. At that time, the concepts of the developing process were presented. At that time it was decided to present the concepts to the board at its next committee meeting for board member discussion and feedback.	
<b>OPTIONS AND</b> <b>ALTERNATIVES:</b>	n/a	
<b>RECOMMENDATION:</b>	n/a	
STRATEGIC PLAN REFERENCE:	See presentation slide regarding strategic plan parameter.	
IMPLICATIONS OF ADOPTION/REJECTION:	n/a	
TIMELINE:	Immediate.	
<b>RESPONSIBLE PERSON:</b>	Ken Fossen, Associate Superintendent (General Administration)	
SUPERINTENDENT'S APPROVAL:	Jin Suttri	

# SELECTIVE ABANDONMENT PROCESS

Kenneth J. Fossen, J.D. Associate Superintendent General Administration Millard Public Schools Omaha, NE

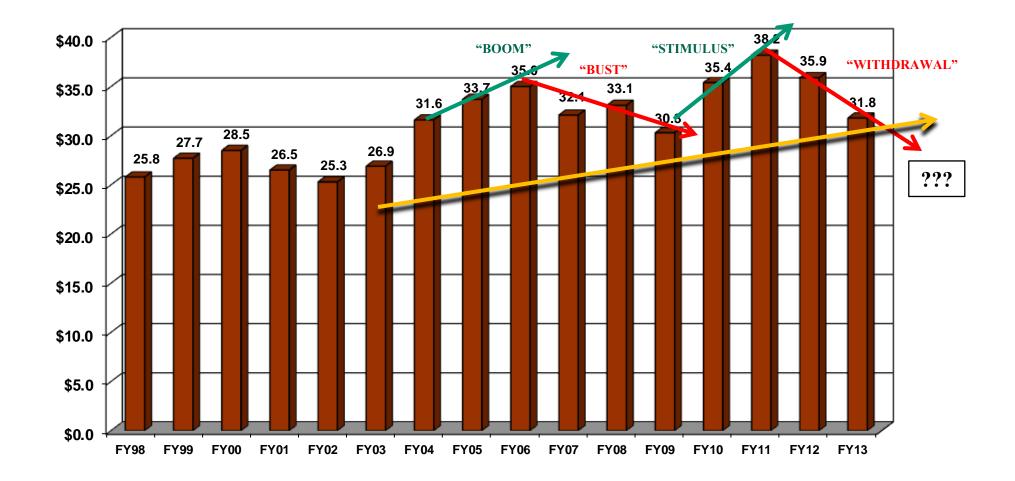
## STRATEGIC PLANNING PARAMETER

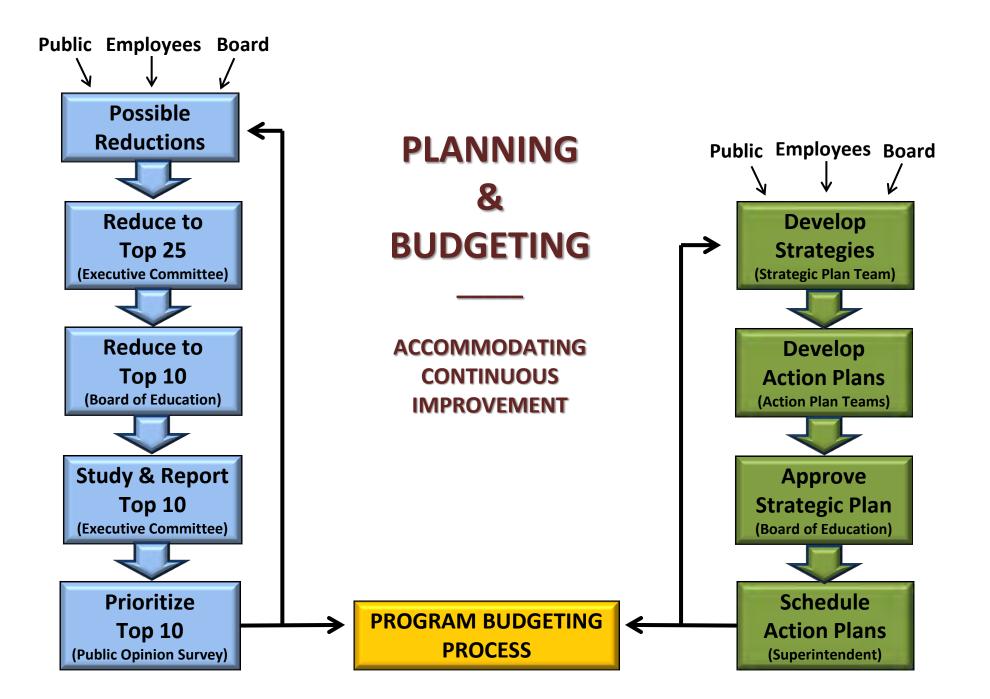
No existing program, course, and/or service will be maintained unless it:

- Meets a clearly demonstrated, mission-related need
- Survives a cost-benefit analysis and periodic evaluation

#### **CASH RESERVE**

[Source: Annual Audit Reports – General Fund - \$Millions]





## SELECTIVE ABANDONMENT PROCESS OVERVIEW

- 1. Provide Opportunity for Input
- 2. Review Suggestions
- 3. Reduce to Top 25 (Admin)
- 4. Reduce to Top 10 (Board)
- 5. Conduct Studies & Report
- 6. Conduct Opinion Survey
- 7. Develop Reduction Priorities (Admin)
- 8. Adopt Reduction Priorities (Board)

# **1. PROVIDE OPPORTUNITY FOR INPUT**

- Groups:
  - Board
  - Administration
  - Employees
  - Students
  - Parents
  - Public
- Question:
  - "Share with us your thoughts regarding any school programs or services that you believe should be studied for possible modifications, reductions, or elimination."

# 2. REVIEW SUGGESTIONS

- Review Suggestions Submitted
- Clarify Suggestions as Needed
- Consolidate Like Suggestions
- Expand on Suggestions Where Appropriate

# 3. REDUCE TO TOP 25 (Admin)

- Review Results from Above
- Use Trego Decision-Making Process
  - Eliminate if Required by Law
  - Weight and Rate for Fiscal Impact (+)
  - Weight and Rate for Educational/System Impact (-)
  - Weight and Rate for Political Impact (-)
  - Calculate Combined Score
- Reduce List to Top 25
  - Consider Trego Score
  - Use "Professional Judgment"

# 4. REDUCE LIST TO TOP 10 (Board)

- Review the Top 25 List from Administration
- Review List of All Suggestions (Optional)
- Add Items to Top 25 List (Optional)
- Conduct Repetitive Votes to Reduce List to Top 10
  - Note: We need to make sure the Top 10 represents the thoughts of the board as a whole to avoid wasting time studying suggestions that a majority of the board knows they will not support when the final decision needs to be made.

# 5. CONDUCT STUDIES & REPORT

- Assign the Top 10 to Specific Administrators for Study
- Final Reports
  - One-Line Description for the Study
  - Executive Summary for the Study
  - Detailed Information on Current Program/Service Offered
  - Detailed Analysis of Proposed Reductions/Modifications
  - Explanation of the Expected Educational/Organizational Impact
  - Explanation of the Expected Financial Impact

# 6. CONDUCT OPINION SURVEY

- Groups
  - Administrators
  - Teachers/Employees
  - Parents
- Survey Structure
  - Present One-Sentence Statement re Proposal
  - Respond 1-10 (Totally Disagree Totally Agree)
- Compile Survey Results
  - Aggregated
  - Disaggregated

# 7. DEVELOP REDUCTION PRIORITIES (Admin)

- Review Results Above
- Revisit Trego Decision-Making Process
  - Weight and Rate for Fiscal Impact Based on Study Report(+)
  - Weight and Rate for Educational/System Impact Based on Study Report(-)
  - Weight and Rate for Political Impact Based on Opinion Survey (-)
  - Calculate Combined Score
- Develop Reduction Priorities
  - Consider Trego Score
  - Use "Professional Judgment"

# 8. ADOPT REDUCTION PRIORITIES

- Review Reduction Priorities from Administration
- Discuss
- Amend Priorities (optional)
- Adopt Priorities as Submitted or Amended
  - Ensuing Year Reductions
  - Future Year Reductions
  - Reductions Based on Contingencies (e.g., staff attrition)

(Board)

## **PROCESS TIMELINE**

**Completion of Process Procedures & Forms** Nov. 1 **Completion of Suggestions Input** Dec. 1 **Completion of Review of Suggestions** Dec. 15 Completion of Top 25 (Admin) Jan. 1 Jan. 15 Completion of Top 10 (Board) Completion of Top 10 Studies & Reports Mar. 1 **Completion of Opinion Survey** Mar. 15 Completion of Reduction Priorities (Admin) Apr. 1 Apr. 15 Adoption of Reduction Priorities (Board)

