

**DRAFT – Unofficial Until Approved**  
**Meeting Minutes 6/23/2015**

The Governing Board of the Tanque Verde Unified School District #13, Pima County, Tucson, Arizona held a Study Session on June 23, 2015 in the Board Room, at the Tanque Verde Unified School District Administrative Office, 2300 N. Tanque Verde Loop Rd., Tucson, Arizona 85749. The meeting was called to order at 7:00 p.m.

**1. ROLL CALL**

Board Members present:

Dr. Peter Livingston, President

Mr. Steven Auslander, Board Member

Mr. Carlos Ruiz, Board Clerk

Mr. Jeffrey Neff, Board Member

Administrative Staff:

Dr. Doug Price, Superintendent

Mr. Adam Hamm, Business Manager

**2. APPROVAL OF AGENDA**

**MOTION:** Mr. Auslander made a motion to approve the agenda. Mr. Neff seconded; the motion carried unanimously.

**3. CALL TO THE PUBLIC**

The Governing Board did not hold a call to the public during this session.

**4. CONSENT AGENDA**

Please see the attached.

**MOTION:** Mr. Ruiz made a motion to approve the Consent Agenda. Mr. Neff seconded; the motion carried unanimously.

**5. INFORMATION AND DISCUSSION ITEMS**

A. High school Facilities Improvements – Mr. Hamm

See attached

Musco – Mr. John Abney

Musco Field Sales Representative, Mr. Abney presented to the governing board field lighting options for consideration. Athletic Director Terry Lantz has been helping coordinate this process making the initial contacts and helping define the needs. Musco is a familiar name in the field lighting industry. They have a 10 year warranty on all LED lighting options being considered by the school district. Mr. Abney spoke briefly about the evolution of field lighting; it can now be automated and controlled remotely with ease. Board members commented on the extreme efficiency and practical aspect of the LED lighting system. LED lighting is highly directional which adds to its appeal. More light can be directed onto the playing field, which reduces the amount of light spilling into the neighborhood environment and the night skies. The LED system is 100% compliant with the night light ordinances. Dr. Price said that we consulted with Climatec, who conducted our energy audit, and asked about the LED field lighting system. The energy efficiency engineers said this is a very efficient lighting system and would not impact our guaranteed energy efficiency savings agreement.

The proposal tonight is for four (4) LED lighted poles. The estimated energy cost to light the field with this system is approximately \$2.80 cents per hour. The current system we're using is a rented (\$8,000 annual cost) portable system using 8 diesel fuel, 20 foot light poles with limited placement. This system has poor directional controls and light spill over control. Musco is on a National Contract so a formal request for proposal (RFP) procurement process will not be necessary.

Norcon – Mr. Jim Crater

Mr. Jim Crater presented to the Board a bleacher and a press box proposal for the TVHS athletic field. After working with Mr. Lantz and identifying district needs, he proposed a 15 - row 96 - foot long bleacher package with a press box. The bleacher could be placed and secured onto a cement slab, which also allow for under bleacher storage. The height of the structure (including the press box) would be between 24 and 30 feet. Mr. Crater also noted Norcon is on the Mohave state contract, which guarantees competitive prices, and eliminates the need for an RFP procurement process.

Community Linkage – Ms. Claire Place

Ms. Place updated board members stating 14 letters were sent to community members inviting them to a Community Linkage meeting to hear about the high school facilities improvement plan on June 30. As good neighbors, the Board and school district want to hear from the community regarding these proposed field enhancements. She noted that two people have responded to the invitation. Ms. Place will be reaching out via the phone to the others to confirm meeting attendance. After speaking with one of the two community members respondents, Ms. Place indicated that he had no concerns with the field lighting but, he requested additional trash collection on both sides of Melpomene. Ms. Place said she will be working with the high school to address these concerns.

## 6. ACTION ITEMS

A. Proposed 2015-15SY Budget – Mr. Hamm

Please see the attached budget summary. Mr. Hamm mentioned he learned that the district has been using non-weighted student count when, after verifying with Pima County and the ADE, we should be using the weighted student count. He said there is a formal process through A.R.S. 15.915 that may allow districts to file a correction. He said at this time he isn't sure how far back we can make claims. He is currently investigating this expanded claim. With these corrective measures, this could result in gaining lost classroom site fund capacity.

**MOTION:** Mr. Neff made a motion to approve the 2015-16 SY proposed budget. Mr. Auslander seconded; the motion carried unanimously.

B. JTED – Intergovernmental Agreement (IGA) – Mr. Hamm

Mr. Hamm advised the board that our attorney reviewed the JTED - Intergovernmental Agreement (IGA), and has no concerns.

**MOTION:** Mr. Auslander made a motion to approve the JTED IGA. Mr. Neff seconded; the motion carried unanimously.

C. Tanque Verde Elementary School conversion from Charter to Traditional School – Mr. Hamm

**MOTION:** Mr. Auslander made a motion to approve the conversion of Tanque Verde Elementary School from a Charter School to a Traditional School. Mr. Ruiz seconded; the motion carried unanimously.

**7. FUTURE AGENDA ITEMS**

Hawk Light

Maintenance Project tour

Beyond Target Ed Pilot

**8. ANNOUNCEMENTS**

Date correction: Welcome Back is on August 4 not August 3

Board members thanked Kim Sharp for her weekly updates

**9. ADJOURNMENT**

Dr. Livingston adjourned the meeting at 8:41 p.m.

Respectfully submitted by,  
Judy Bower, Board Secretary

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Peter Livingston, Board President

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Steven Auslander, Board Member

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Carlos Ruiz, Board Clerk

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Jeffrey Neff, Board Member

## Personnel Items - Board Meeting - June 23, 2015

<b>Administrator Contracts</b>	Position	Reason	Site	FTE	Salary	Date
<b>Certified Contracts</b>	Position	Reason (Replace / New)	Site	FTE	Salary	Date
Kathleen Busse	PE Teacher	Replace Cheryl Wojdyla	TVHS	1.0	\$35,200.00	8/03/2015
Joseph Rudin	Math Teacher	Replace Mary Menanger	TVHS	1.0	\$33,100.00	8/03/2015
<b>Certified Resignations</b>						
Bill Kipling	PE Teacher	Resignation	TVES	1.00	\$36,093.00	7/2/2015
<b>Classified Contracts</b>	Position	Reason (Replace / New)	Site	FTE	Wage	Date
See Attached List	Classified Contracts	Continuing Status, on Contract	varies	varies	see list	SY 15/16
<b>Classified Agreements</b>	Position	Reason (Replace / New)	Site	FTE	Wage	Date
See Attached List	Classified Employees	Continuing Status, Notice of Appointments	varies	varies	see list	SY 15/16
<b>Other Continuations</b>	Position	Reason (Replace / New)	Site	FTE	Wage	Date
See Attached List	Extra Duty Assignments	Continuing	varies	varies	see list	SY 15/16
<b>Classified Resignations</b>	Position	Reason	Site	FTE	Wage	Date
<b>Other Discontinuations</b>	Position	Reason	Site	FTE	Wage	Date
Emily Gregg	Varsity Assist Volleyball Coach	Resignation	TVHS	varies	\$2,008.00	6/4/2015
Kaileen Milligan	Frosh Assist Volleyball Coach	Resignation	TVHS	varies	\$1,434.00	6/11/2015
Jennifer Snyder	TOSA / Leadership Teacher	Resignation	TVHS	1.00	\$171.49 / day	5/22/2015
<b>Other New Hires</b>	Position	Reason	Site	FTE	Wage	Date
Michael Edwards	HS Student Council Sponsor	Replace Jenny Snyder	TVHS	Varies	\$1,434.00	SY 15/16
Emily Dobson	Art Club Advisor	Replace Judy Puia	TVHS	varies	\$717.00	SY 15/16
Qwinton Griffith	Assistant Football Coach	Replace Jordan Merchant	TVHS	varies	\$2,008.00	SY 15/16

Extra Duty Assignments SY 15/16  
Payment on Sept. 4, 2015

Last Name	First Name	Site	Job Title	Amount	Continuing	GB Approval
<b>ACES</b>						
Brauer	Amy	ACES	ACES 504 Coordinator	\$2,500	Continuing	9/30/2013
Brauer	Amy	ACES	Extra Curricular Choir	\$2,000	Continuing	8/14/14
Brauer	Amy	ACES	SpEd Music Integration Initiative	\$4,000	Continuing	8/14/14
Rietz	Christine	ACES	SpEd Site Leader	\$2,000	New	8/3/15
Shelton	Marsha	ACES	504 Site Leader	\$2,500	New	7/1/15
<b>District Wide</b>						
Glennon	Sally	District Wide	Interim SpEd Director Duties	\$2,000	New	4/23/2015
Rostash	Sherri	District Wide	504 Coordinator	\$5,000	New	4/23/2015
<b>EGJH</b>						
Baechler	Brittany	EGJH	JH Yearbook Advisor	\$717	Continuing	6/24/2014
Crawford	Tom	EGJH	Student Council Advisor	\$717	Continuing	8/14/2014
Crawford	Tom	EGJH	JH Bands	\$1,434	Continuing	8/14/2014
Grisez	Jenine	EGJH	Art Club Sponsor	\$717	Continuing	8/9/2013
Hopkins	Londa	EGJH	Show Choir	\$750	Continuing	8/14/2014
Steiner	Adam	EGJH	Athletic Director	\$3,000	Continuing	7/30/14
Steiner	Adam	EGJH	Dean of Students	\$1,600	Continuing	7/30/14
Stetson	Leanna	EGJH	Science Olympiad Advisor	\$717	Continuing	8/23/2012
Voutsas	Chris	EGJH	National JH Honor Society	\$717	Continuing	8/9/2013
<b>Transportation</b>						
Lindflott	Amy	Transportation	Dispatcher	\$1,500	Continuing	8/23/12
<b>TVES</b>						
Hubbard	Kim	TVES	TVES 504 Coordinator	\$2,500	Continuing	8/14/2014
Mikitish	Monica	TVES	District Restraint Trainer	\$3,000	Continuing	8/9/12

Extra Duty Assignments SY 15/16  
Payment on Sept. 4, 2015

Last Name	First Name	Site	Job Title	Amount	Continuing	GB Approval
<b>TVHS</b>						
Adams	Jayme	TVHS	Sophomore Class Sponsor	\$500	Continuing	1/22/15
Broccolo	Tom	TVHS	Jazz Band	\$2,840	Continuing	8/9/12
Broccolo	Tom	TVHS	Marching Band Director	\$2,840	Continuing	8/9/12
Christman	Kelly	TVHS	FBLA /Deca Advisor	\$1,500	Continuing	8/9/12
Conger	Wendy	TVHS	Federal Programs	\$1,000	Continuing	6/12/14
Heck	Andrea	TVHS	Mock Trial	\$1,434	Continuing	8/28/14
MacKinney	Deborah	TVHS	Theater Arts Performance	\$1,434	Continuing	8/9/12
Meyer	Terrill	TVHS	Skills USA Advisor	\$750	Continuing	8/23/12
Mitchell	Janet	TVHS	504 Site Leader	\$2,500	New	7/1/15
Dobson	Emily	TVHS	Art Club Advisor	\$717	New	6/23/15
Reynolds	Cara	TVHS	Dance Consultant	\$1,320	Continuing	8/9/12
Slanina	Trudy	TVHS	Organic Farming Club	\$1,750	Continuing	6/27/2013
Slanina	Trudy	TVHS	Organic Farm Program Coordinator	\$2,400	Continuing	6/6/2013
South	Jesse	TVHS	District Webmaster	\$3,500	Continuing	8/14/14
South	Jesse	TVHS	CTE Director	\$2,500	Continuing	7/12/12
South	Jesse	TVHS	HS Yearbook	\$1,434	Continuing	8/9/12
South	Jesse	TVHS	Skills USA Advisor	\$750	Continuing	8/23/12
Spinler	Kalyca	TVHS	Freshman Class Sponsor	\$500	Continuing	8/8/13
<b>VACANT</b>	<b>VACANT</b>	TVHS	National Honor Society Sponsor	\$1,434		
<b>VACANT</b>	<b>VACANT</b>	TVHS	Junior Class Sponsor	\$500		
Edwards	Michael	TVHS	HS Student Council Sponsor	\$1,434	New	6/23/15
Ventola	Lindsay	TVHS	Senior Class Sponsor	\$500	Continuing	8/14/14
Zreda	Grazyna	TVHS	Science Club Advisor	\$717	Continuing	8/23/12

Classified Contracts - Employee Names  
SY 2015 / 2016

<b>Last Name</b>	<b>First Name</b>	<b>Primary Job Title</b>	<b>Work Site</b>
BARRIOS	NICOLAS	DIRECTOR OF MAINTENANCE	District Office
COOPER	JAYNE	EDUCATIONAL DIAGNOSTICIAN	TVES
ELIAS	KIMBERLY	IT SUPPORT SPECIALIST	District Office
FELDMAN	YEFIM	IT SUPPORT SPECIALIST	District Office
LINDFLOTT	AMY	TRANSPORTATION COOR.	Transportation
SEIBERT	JULIE	ACCOUNTANT, ASSOCIATE	District Office
WICK	KEITH	HR GENERALIST	District Office

**Classified Staff Notice of Appointments  
SY 15/16**

<b>Last Name</b>	<b>First Name</b>	<b>Primary Job Title</b>	<b>Site</b>
ABOUD	NORMA	FOOD SERVICE ASST	EMILY GRAY
ARMSTRONG	DAVID	CUSTODIAN	TANQUE VERDE ELEMENTARY
BAIRES	SAMANTHA	Paraprofessional I	AGUA CALIENTE
BALDAUF	SHAWNA	BUS DRIVER	TRANSPORTATION
BARNES	KAREN	FOOD SERVICE ASST	EMILY GRAY
BEADLING	JOYCE	FOOD SERVICE ASST	TANQUE VERDE HIGH SCHOOL
BIENEMAN	LAWRENCE	School Security Monitor	TANQUE VERDE HIGH SCHOOL
BLACK	DEBBY	FOOD SERVICE ASST	EMILY GRAY
BOWER	JUDY	Executive Asst to Sup't	DISTRICT
BRACAMONTE	GEORGE	Maintenance Coordinator	TANQUE VERDE ELEMENTARY
BRANDON	CATHERINE	COTA	AGUA CALIENTE
BROWN	LINDA	FOOD SERVICE ASST	TANQUE VERDE HIGH SCHOOL
BUCK	KATHRYN	INST AIDE II	TANQUE VERDE HIGH SCHOOL
BURLEY-WITHERS	CHRISTINE	Paraprofessional I	EMILY GRAY
CAFFREY	DIANE	FOOD SERVICE ASST	TANQUE VERDE ELEMENTARY
CAMP	TINA	Paraprofessional I	EMILY GRAY
CANNON	SANDRA	BUS DRIVER	TRANSPORTATION
CARDERO	JOANNE	FOOD SERVICE ASST	AGUA CALIENTE
CARINO	RICARDO	CUSTODIAN	TANQUE VERDE ELEMENTARY
CARLSON	DEBORAH	Paraprofessional I	AGUA CALIENTE
CHANEY	ROBERT	CUSTODIAN	TANQUE VERDE HIGH SCHOOL
CLAUSSEN	SARAH	Paraprofessional I	TANQUE VERDE ELEMENTARY
CONDRA	KRISTEN	Office Manager	AGUA CALIENTE
COOPER	CINDY	BUS DRIVER	TRANSPORTATION
DANIEL	JOSEPH	School Security Monitor	EMILY GRAY
DAUGHENBAUGH	LAURA	Paraprofessional I	AGUA CALIENTE
DAY	LEROY	BUS MAINT ASSISTANT	TRANSPORTATION
DESCISCIOLO	SUSAN	INST AIDE II	AGUA CALIENTE
EDWARDS	SUSAN	Registrar	TANQUE VERDE ELEMENTARY
ELISCU	WEBB	BUS DRIVER	TRANSPORTATION
ELISCU	WEBB	Campus Monitor	TRANSPORTATION



**Classified Staff Notice of Appointments  
SY 15/16**

<b>Last Name</b>	<b>First Name</b>	<b>Primary Job Title</b>	<b>Site</b>
FELIX	TRACIE	Paraprofessional I	TANQUE VERDE ELEMENTARY
FELIX PEREZ	JOSE	GROUNDSCOOPER	TANQUE VERDE HIGH SCHOOL
FISHER	THOMAS	Paraprofessional II	TANQUE VERDE ELEMENTARY
FOSTIAK	KATHY	Paraprofessional I	AGUA CALIENTE
FOX	LINDA	Paraprofessional I	AGUA CALIENTE
GAINES	GREGORY	SCIENCE LAB COORDINATOR	TANQUE VERDE ELEMENTARY
GALLAGHER	MARY	Secretary II	TRANSPORTATION
GALLAGHER	MARY	BUS MONITOR	TRANSPORTATION
GARCIA	BENNY	BUS MAINT ASSISTANT	TRANSPORTATION
GARCIA	MONICA	BUS DRIVER	TRANSPORTATION
GOODMAN	NOE	GROUNDSCOOPER	DISTRICT
GORES	HEATHER	Paraprofessional I	TANQUE VERDE ELEMENTARY
GREEN	KELLI	Paraprofessional II / III	TANQUE VERDE ELEMENTARY
GRIFFITHS	MELISSA	Office Manager	TANQUE VERDE HIGH SCHOOL
GUNIA	LAURA	Paraprofessional II / III	EMILY GRAY
HARRELL	JOHN	COTA	TANQUE VERDE ELEMENTARY
HEALEY	LYNN	Paraprofessional III	AGUA CALIENTE
HIGGASON	JOAN	BUS DRIVER	TRANSPORTATION
HITCHINGS	THOMAS	BUS DRIVER	TRANSPORTATION
HODGES	SHERRY	Paraprofessional I	AGUA CALIENTE
HOEGER	KIMBERLY	Registrar	AGUA CALIENTE
HOURIGAN	DENNIS	CUSTODIAN	AGUA CALIENTE
HUIE	ARCHIE	Paraprofessional III	EMILY GRAY
JOHNSTON	MARY	FOOD SERVICE MGR.	EMILY GRAY
JONES	SELENE	FOOD SERVICE ASST	TANQUE VERDE ELEMENTARY
JONGSMA	CORNELIUS	BUS DRIVER	TRANSPORTATION
KORALEWSKI	PAMELA	FOOD SERVICE ASST	TANQUE VERDE ELEMENTARY
LOCHNER	GABRIELE	Paraprofessional I	TANQUE VERDE ELEMENTARY
LOPER	SHARON	Paraprofessional I	AGUA CALIENTE
LOSCHEN	NANCY	Paraprofessional III	TANQUE VERDE ELEMENTARY
LUNDEBERG	CATHY	Secretary	TANQUE VERDE HIGH SCHOOL

**Classified Staff Notice of Appointments  
SY 15/16**

<b>Last Name</b>	<b>First Name</b>	<b>Primary Job Title</b>	<b>Site</b>
MACKINNEY	PAUL	GROUNDKEEPER	TANQUE VERDE HIGH SCHOOL
MALDONADO	MANUEL	Maintenance Coordinator	EMILY GRAY
MARSHALL	ELENA	Paraprofessional I	AGUA CALIENTE
MASSEY	ANDREA	BUS DRIVER	TRANSPORTATION
MCCOLLOM	PATRICIA	Student Systems Analyst	DISTRICT
MCINTYRE	PATRICE	Office Manager	EMILY GRAY
MCKENDRICK	DOLORA	INST AIDE II	TANQUE VERDE ELEMENTARY
MCLAUGHLIN	LORI	Paraprofessional II / III	TANQUE VERDE HIGH SCHOOL
MCLEMORE	ARMINDA	FOOD SERVICE ASST	TANQUE VERDE HIGH SCHOOL
McWILLIAMS	THERESA	Paraprofessional II	AGUA CALIENTE
MICHALEGKO	PETER	BUS DRIVER	TRANSPORTATION
MILLER	KAY	Paraprofessional II / III	TANQUE VERDE ELEMENTARY
MINNEAR	JENNIFER	HEALTHCARE SVCS TECH	TANQUE VERDE HIGH SCHOOL
MOLINA	ANN MARIE	Paraprofessional I	AGUA CALIENTE
MONROE	SUSAN	Office Manager	TANQUE VERDE ELEMENTARY
MORENO	GREGORY	Maintenance Coordinator	TANQUE VERDE HIGH SCHOOL
OTTE	MARCIA	LIBRARY AIDE	AGUA CALIENTE
PARK	PAMELA	Paraprofessional I	TANQUE VERDE ELEMENTARY
PEERY	LINDA	ADMIN SECRETARY/SPEC ED	DISTRICT
PELAYO	CATHALEEN	FOOD SERVICE ASST	AGUA CALIENTE
PELLEGRINO	ARLISA	FOOD SERVICE ASST	EMILY GRAY
PEREZ	JOEL	Maintenance Coordinator	AGUA CALIENTE
PEREZ	JOSE LUIS	Maintenance Coordinator	TANQUE VERDE HIGH SCHOOL
PEREZ	MIRANDA	Paraprofessional II / III	TANQUE VERDE ELEMENTARY
PFERDEORT	CAROLYN	BUS DRIVER	TRANSPORTATION
PFERDEORT	ROGER	BUS DRIVER	TRANSPORTATION
PILLI	XOCHI	CUSTODIAN	TANQUE VERDE HIGH SCHOOL
POLIVCHAK	GAY	Paraprofessional I	TANQUE VERDE ELEMENTARY
PRIDANS	MICHELINE	CHARACTER ED COORDINAT	TANQUE VERDE ELEMENTARY
PUDELKO	VIRGINIA	Paraprofessional I	AGUA CALIENTE
RAIMONDI	TED	BUS MAINT SUPERVISOR	TRANSPORTATION

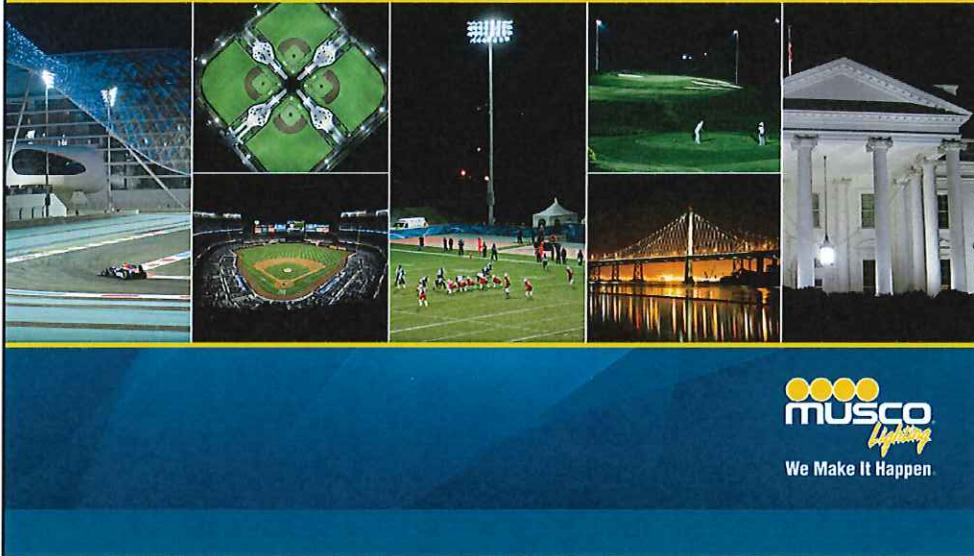
**Classified Staff Notice of Appointments  
SY 15/16**

<b>Last Name</b>	<b>First Name</b>	<b>Primary Job Title</b>	<b>Site</b>
RALYEA	CHRISTOPHER	FOOD SERVICE ASST	TANQUE VERDE HIGH SCHOOL
REDDEN	PATRICIA	Paraprofessional I	TANQUE VERDE ELEMENTARY
REYNOLDS	MARK	PLAYGROUND AIDE	TANQUE VERDE ELEMENTARY
RODRIGUEZ	EMANUEL	CUSTODIAN	EMILY GRAY
ROJAS	COLLEEN	Paraprofessional I	AGUA CALIENTE
ROOYAKKERS	LISA	Paraprofessional I	AGUA CALIENTE
RUSKAY	MELISSA	Paraprofessional I	TANQUE VERDE ELEMENTARY
RUTLEDGE	JAMIE	FOOD SERVICE MGR.	AGUA CALIENTE
SCHEIB	MARY ANN	FOOD SERVICE MGR.	TANQUE VERDE ELEMENTARY
SILVA	STEPHANIE	Accounting Specialist, Sr	DISTRICT
SMITH	ANNAMARIE	Paraprofessional II	AGUA CALIENTE
SOTO	ARMIDA	BUS DRIVER	TRANSPORTATION
STEVENSON	ANNELLE	LIBRARY AIDE	EMILY GRAY
STICKLES	LEA	Secretary	DISTRICT
STOBIE	KELLY	Paraprofessional I	AGUA CALIENTE
STONUM	LORI	Payroll Specialist, Sr.	DISTRICT
STRIBLING	SANDRA	Paraprofessional I	TANQUE VERDE ELEMENTARY
SWAN	JENNETT	Registrar	EMILY GRAY
SZANISZLO	BRANDY	Paraprofessional III	TANQUE VERDE ELEMENTARY
TAPIA	RACHEL	Paraprofessional I	AGUA CALIENTE
TROYAN	KAREN	Secretary	DISTRICT
TUCKER	MARCIE	Paraprofessional II / III	TANQUE VERDE HIGH SCHOOL
TUCKER	REBECCA	CUSTODIAN	AGUA CALIENTE
UNDERWOOD	JENNIFER	CROSSING GUARD	TANQUE VERDE ELEMENTARY
VAN EVERY	WAYNE	BUS DRIVER	TRANSPORTATION
WILSON	DAWN	Paraprofessional I	TANQUE VERDE ELEMENTARY
WILSON	RICHARD	BUS DRIVER	TRANSPORTATION
WOLF	SANDRA	BUS DRIVER	TRANSPORTATION
WOLF	SANDRA	Bus Monitor	TRANSPORTATION
WORTHAM	AMY	Registrar	TANQUE VERDE HIGH SCHOOL
YOUNG	KRISTA	SCIENCE LAB	AGUA CALIENTE

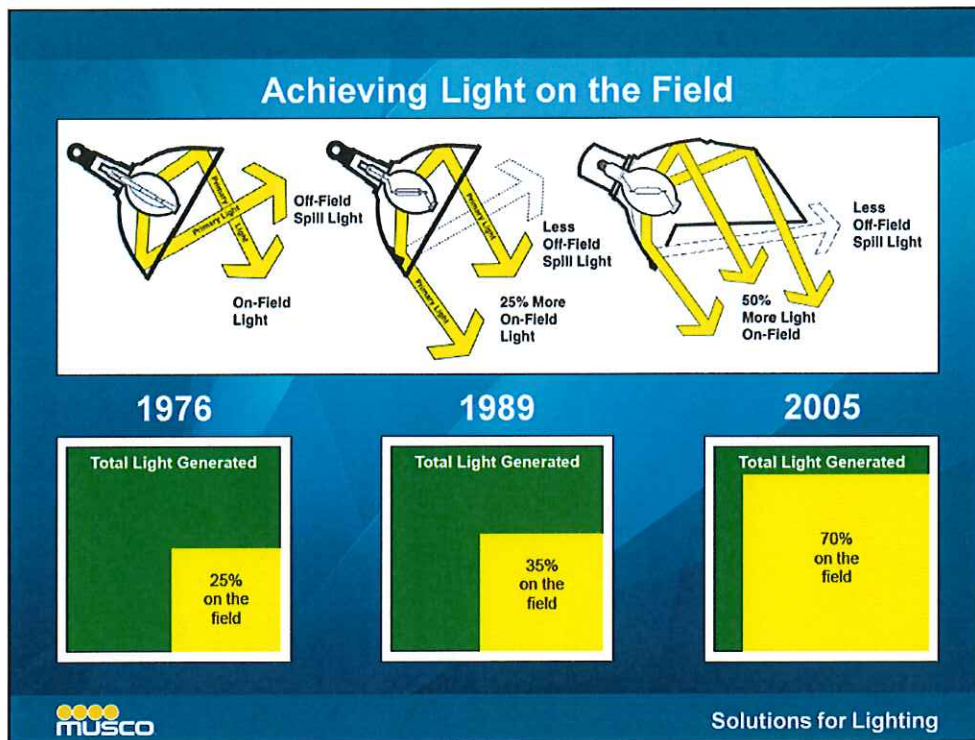
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<b>Last Name</b>	<b>First Name</b>	<b>Primary Job Title</b>	<b>Site</b>
YSLAS	KELLY	FOOD SERVICE MGR.	TANQUE VERDE HIGH SCHOOL

## Solutions for Lighting



- Presentation is intended to engage discussion around the issues lighting facilities and helping the customer choose the right solution for the application.
- LED now becomes an option for the light source but HID is still the primary light source on sports lighting projects.
- Depending on Customer knowledge and experience with Musco, a quick overview of Musco may be needed.
- Position Musco's 40 years of learning how to make good lighting affordable.
- We've been lighting with LED since 2008 with the White House project

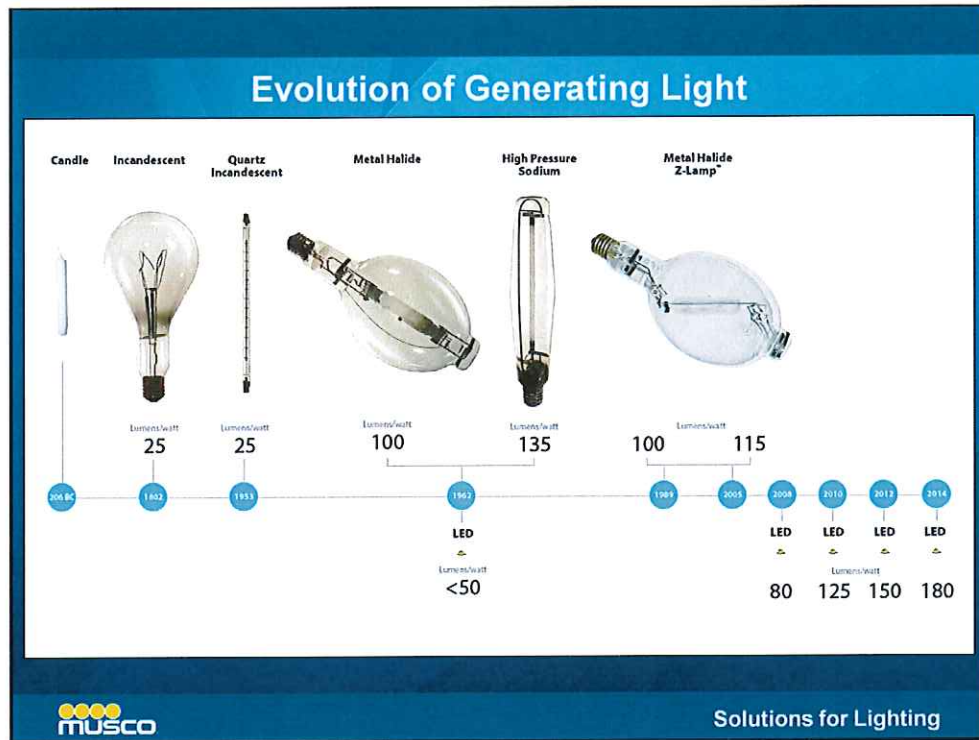


- Musco’s legacy is identified with our focus on learning how to convert electrical energy into useful light energy on the field thus achieving “Responsible use of energy”
- Since 1976, Musco has pioneered enhancements to lighting efficiency that captures more of the light being produced onto the playing field.
- As a result of increased optical efficiency, we have reduced the amount of light spilling into the environment



- Musco's Light Structure System is a proven system that reliably delivers light to the target area.
- LSS takes no shortcuts and combines the best construction elements known – concrete and steel for long term performance
- LSS adapts to a wide range of site conditions including wind speeds, building codes, soil conditions, and access issues
- LSS facilitates project timing needs and is the most cost effective for contractor installation due to factory pre-assembled components
- **Existing** LSS will adapt to LED components, however, as with any relight, building code and a structural review should take place with engineering to determine suitability

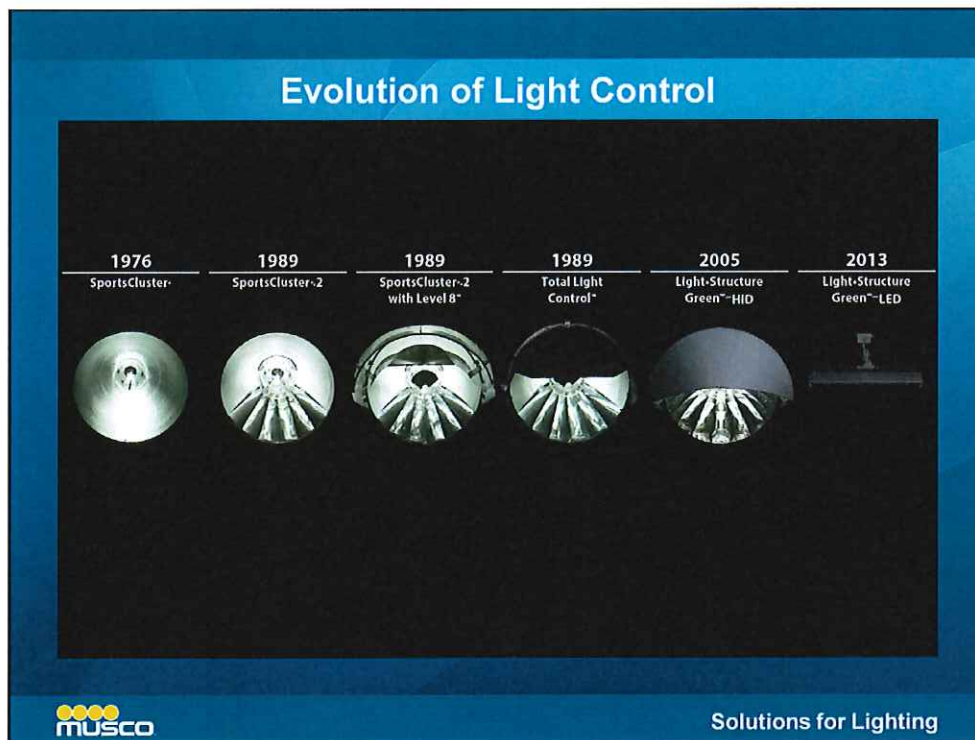




### Evolution of Generating Light

When we first started working with LED technology in 2008 when we did the White House, diode efficiency was only in the 80 lumens per watt range. Today, LED chip technology is producing 180 lumens per watt. Note – this is the amount of light being produced by the diode, not coming out of the fixture. There are efficiency losses that occur and the luminaire lumen output will be less.






Application Expertise - choosing the right light source for the project


- Energy Efficiency and Control of Light
- Evolution of the photometric system
- Replicates aiming angle as viewed 150 ft from edge of football field
- Photos represent a view of the light fixtures aimed for a typical football field and viewed from a perspective 150 feet from the sideline. LED fixture is actually on but no glare is visible.

## Lighting Application



Metal Halide — 1500-watt Z-Lamp™	LED — 2010 Technology
EQUIPMENT: 16 fixtures, 4 poles	EQUIPMENT: 84 fixtures, 6 poles
ENERGY: 25.0 kW	ENERGY: 34.4 kW
	PROJECT COST: 6 to 7 times more than metal halide
	LED — 2014 Technology
	EQUIPMENT: 42 fixtures, 6 poles
	ENERGY: 16.6 kW
	PROJECT COST: 1½ to 2 times more than metal halide

2010 Soccer Test Fields: 240 ft x 150 ft, 30 footcandles horizontal


Solutions for Lighting

Application to sports lighting – when is it right?

- In 2010, LED was less efficient than metal halide – LED was 34.4 kW (84 fixtures) compared to HID - 25 kW (16 fixtures) on a typical soccer field
- Also, in 2010, LED was 6-7 times more expensive than Musco LSG – metal halide
- In 2014, we can light a field with 42 LED fixtures on 4 or 6 poles and reduce kW to 16.6 kW
- In 2014, the cost of LED has come down to 2 times the cost of metal halide



LED Light Source

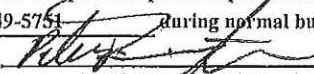
  
We Make It Happen



SUMMARY OF SCHOOL DISTRICT PROPOSED EXPENDITURE BUDGET

CTD NUMBER 100213000  
VERSION Proposed

I certify that the Budget of Tanque Verde Unified School District, Pima County for fiscal year 2016 was officially proposed by the Governing Board on June 11, 2015, and that the complete Proposed Expenditure Budget may be reviewed by contacting Adam Hamm at the District Office, telephone 520-749-5751 during normal business hours.

  
President of the Governing Board

1. Student Count:	FY 2015	FY 2016	2. Tax Rates:	Prior FY	Estimated Budget FY	* Secondary rate applies only for voter-approved overrides and bonded indebtedness per A.R.S. §15-101(22) and Joint Technical Education Districts per A.R.S. §15-393(F).
	Prior Yr. 2014 ADM	Budget Yr. 2015 ADM				
Attending	1,928,981	1,999,365	Primary Rate	3.8557	3.3982	
			Secondary Rate*	1.1403	1.4348	

3. The Maintenance and Operation, Classroom Site, and Unrestricted Capital Outlay budgets cannot exceed their respective budget limits.					
Maintenance & Operation	12,303,053	GBL	12,303,053		
Classroom Site	860,001	CSFBL	860,001		
Unrestricted Capital Outlay	121,023	UCBL	234,493		

	MAINTENANCE AND OPERATION EXPENDITURES						% Inc./ (Decr.) from Prior FY
	Salaries and Benefits		Other		TOTAL		
	Prior FY	Budget FY	Prior FY	Budget FY	Prior FY	Budget FY	
100 Regular Education							
1000 Instruction	5,776,125	5,554,400	420,848	387,598	6,196,973	5,941,998	-4.1%
2000 Support Services							
2100 Students	459,416	459,416	3,500	3,500	462,916	462,916	0.0%
2200 Instructional Staff	204,700	204,700	10,085	10,085	214,785	214,785	0.0%
2300, 2400, 2500 Administration	1,395,638	1,395,638	514,972	522,273	1,910,610	1,917,911	0.4%
2600 Oper./Maint. of Plant	468,840	468,840	781,561	741,561	1,250,401	1,210,401	-3.2%
2900 Other	0	0	0	0	0	0	0.0%
3000 Oper. of Noninstructional Services	20,340	20,340	0	0	20,340	20,340	0.0%
610 School-Sponsored Cocurric. Activities	0	0	0	0	0	0	0.0%
620 School-Sponsored Athletics	3,748	3,748	42,000	42,000	45,748	45,748	0.0%
630, 700, 800, 900 Other Programs	0	0	0	0	0	0	0.0%
Regular Education Subsection Subtotal	8,328,807	8,107,082	1,772,966	1,707,017	10,101,773	9,814,099	-2.8%
200 Special Education							
1000 Instruction	1,216,561	1,216,561	139,351	141,451	1,355,912	1,358,012	0.2%
2000 Support Services							
2100 Students	146,500	146,500	187,270	187,270	333,770	333,770	0.0%
2200 Instructional Staff	0	0	1,400	1,400	1,400	1,400	0.0%
2300, 2400, 2500 Administration	29,980	29,980	5,450	5,450	35,430	35,430	0.0%
2600 Oper./Maint. of Plant	0	0	0	0	0	0	0.0%
2900 Other	0	0	0	0	0	0	0.0%
3000 Oper. of Noninstructional Services	0	0	0	0	0	0	0.0%
Special Education Subsection Subtotal	1,393,041	1,393,041	333,471	335,571	1,726,512	1,728,612	0.1%
400 Pupil Transportation	477,799	477,799	203,300	208,300	681,099	686,099	0.7%
510 Desegregation	0	0	0	0	0	0	0.0%
520 Special K-3 Program Override	0	0	0	0	0	0	0.0%
530 Dropout Prevention Programs	0	0	0	0	0	0	0.0%
540 Joint Career and Technical Education and Vocational Education Center	0	0	0	0	0	0	0.0%
550 K-3 Reading Program	69,800	69,800	4,443	4,443	74,243	74,243	0.0%
<b>TOTAL EXPENDITURES</b>	<b>10,269,447</b>	<b>10,047,722</b>	<b>2,314,180</b>	<b>2,255,331</b>	<b>12,583,627</b>	<b>12,303,053</b>	<b>-2.2%</b>

TOTAL EXPENDITURES BY FUND				
Fund	Budgeted Expenditures		\$ Increase/ (Decrease) from Prior FY	% Increase/ (Decrease) from Prior FY
	Prior FY	Budget FY		
Maintenance & Operation	12,583,627	12,303,053	(280,574)	-2.2%
Instructional Improvement	200,000	200,000	0	0.0%
Structured English Immersion	0	0	0	0.0%
Compensatory Instruction	0	0	0	0.0%
Classroom Site	606,742	860,001	253,259	41.7%
Federal Projects	890,000	890,000	0	0.0%
State Projects	135,000	135,000	0	0.0%
Unrestricted Capital Outlay	121,023	121,023	0	0.0%
New School Facilities	0	0	0	0.0%
Adjacent Ways	0	0	0	0.0%
Debt Service	1,215,000	1,215,000	0	0.0%
School Plant Funds	50,000	50,000	0	0.0%
Auxiliary Operations	500,000	500,000	0	0.0%
Bond Building	0	0	0	0.0%
Food Service	550,000	550,000	0	0.0%
Other	799,656	799,656	0	0.0%

M&O FUND SPECIAL EDUCATION PROGRAMS BY TYPE		
Program (A.R.S. §§15-761 and 15-903)	Prior FY	Budget FY
Autism	250,690	250,790
Emotional Disability	57,999	57,999
Hearing Impairment	92,595	92,595
Other Health Impairments	20,012	20,012
Specific Learning Disability	440,265	440,265
Mild, Moderate or Severe Intellectual Disability	20,858	20,858
Multiple Disabilities	55,796	55,796
Multiple Disabilities with S.S.I.	0	0
Orthopedic Impairment	169,949	169,949
Developmental Delay	58,679	58,679
Preschool Severe Delay	63,087	63,087
Speech/Language Impairment	321,546	323,546
Traumatic Brain Injury	24,420	24,420
Visual Impairment	13,907	13,907
Subtotal	1,589,803	1,591,903
Gifted Education	136,709	136,709
Remedial Education	0	0
ELL Incremental Costs	0	0
ELL Compensatory Instruction	0	0
Vocational and Technical Education	0	0
Career Education	0	0
TOTAL	1,726,512	1,728,612

PROPOSED STAFFING SUMMARY		
Staff Type	FTE	Staff-Pupil Ratio
Certified --		
Superintendent, Principals, Other Administrators	9	1 to 222.2
Teachers	109	1 to 18.3
Other	3	1 to 666.5
Subtotal	121	1 to 16.5
Classified --		
Managers, Supervisors, Directors	15	1 to 133.3
Teachers Aides	19	1 to 105.2
Other	73	1 to 27.4
Subtotal	107	1 to 18.7
TOTAL	228	1 to 8.8
Special Education --		
Teacher	14	1 to 16.5
Staff	19	1 to 7.0

FY 2016 Truth in Taxation Work Sheet (A.R.S. §15-905.01)

1.	FY 2016 Truth in Taxation Base Limit (from FY 2015 TNT work sheet, line 3 + line 11)	\$ <u>0</u>
2.	Deduction for discontinued programs	
3.	Adjusted FY 2016 TNT Base Limit	\$ <u><u>0</u></u>

Primary Property Tax Rate  
 Related to Budgeted  
 Expenditures

FY 2016 Budgeted Expenditures

4.	Desegregation (from Districtwide Desegregation Budget page 2, line 44 and page 3, line 70)	\$ <u>0</u>	<u>                    </u>
5.	Dropout Prevention (from page 1, line 28)	<u>0</u>	<u>                    </u>
6.	Joint Career and Technical Education and Vocational Education Center (from Supplement page 1, line 20 and Supplement page 2, line 32)	<u>0</u>	<u>                    </u>
7.	Small School Adjustment (from page 7, line 4, columns A and B)	\$ <u>0</u>	<u>                    </u>

Adjustments for FY 2015 Expenditures

8.	Desegregation, Dropout Prevention, and Joint Career and Technical Education and Vocational Education Center		
a.	FY 2015 Total Actual Expenditures for programs above	\$ <u>                    </u>	
b.	Sum of FY 2015 original budget amounts for programs above (from FY 2015 TNT work sheet, sum of lines 4, 5, and 6)	<u>0</u>	
c.	Expenditures over/(under) original budget (line 8.a minus line 8.b)	\$ <u>0</u>	
9.	Small School Adjustment		
a.	FY 2015 final budget for Small School Adjustment	\$ <u>                    </u>	
b.	FY 2015 original budget for Small School Adjustment (from FY 2015 TNT work sheet, line 7)	\$ <u>0</u>	
c.	Amount over/(under) budget for Small School Adjustment (line 9.a minus line 9.b)	\$ <u>0</u>	
10.	Total (add lines 4 through 7 and line 8.c. and line 9.c.)	\$ <u><u>0</u></u>	
11.	Excess over Truth in Taxation Limit (1) (Line 10 minus line 3. If negative, enter zero.)	\$ <u><u>0</u></u>	
12.	Amount to be Levied in FY 2016 for Adjacent Ways pursuant to A.R.S. §15-995 (1)	\$ <u>                    </u>	<u>                    </u>
13.	Amount to be Levied in FY 2016 for Liabilities in Excess of the Budget pursuant to A.R.S. §15-907 (1)	\$ <u>                    </u>	<u>                    </u>

Calculations for Truth in Taxation Notice

A.	Sum of lines 11, 12, and 13	\$ <u>0</u>
B.1.	Current Assessed Value	\$ <u>                    </u>
B.2.	(Line 3 divided by line B.1) x \$10,000	\$ <u>                    </u> (2)
C.1.	Sum of lines 3, 11, 12, and 13	\$ <u>0</u>
C.2.	(Line C.1 divided by line B.1) x \$10,000	\$ <u>                    </u> (2)

- (1) If an amount on line 11, 12, or 13 is greater than zero, the district must publish a Truth in Taxation Hearing Notice as described in A.R.S. §15-905.01.
- (2) \$10,000 is used in these calculations to determine the amounts to include on the truth in taxation hearing notice for a \$100,000 home, as property taxes on residential properties are levied at 10% of the assessed valuation per A.R.S. §42-15003.