



Dr. Bryan Pettengill
Van McLain
Scott Dobson

Utility Costs

- 75% - Electricity
- 15% - Water and Sewer
- 10% - Gas



2014/2015 - \$1,033,078

2015/2016 - \$1,002,663

2016/2017 - \$1,053,150

2017/2018 - \$1,090,900 (Budget)



Rate Increase

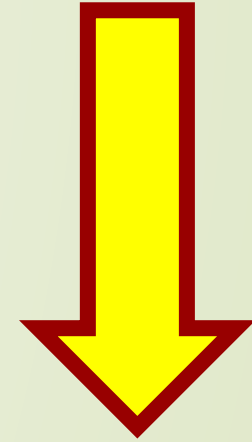
2005 → 2018

- Electricity – Increase of 87%
- Water and Sewer – Increase of 208%
- Gas – Decrease of 500%
- **Total Utility Rates – Increase of 46%**

Historical Costs Per Square Foot

Building by Calendar Year	2005	2015	2016	2017
RPA	.83	.64	.67	.73
Eagle Glen	.85	.81	.75	.78
Timber Creek	.86	.70	.77	.77
Stonegate	.92	.86	.87	.86
Shull	1.03	1.03	1.10	1.00
HS	1.03	.95	.96	1.12
SMS	1.06	.88	.90	.90
Peculiar	1.14	1.11	1.04	1.10
Raymore	1.28	1.18	1.17	1.04
Creekmoor		.95	1.00	.96
Bridle Ridge		1.07	1.07	1.12
East Middle School		.92	.99	1.01
All School Buildings	\$1.00/ft² 725,042 ft²	\$.92/ft² (988,279 ft²)	\$.93/ft² (988,279 ft²)	\$.96/ft² (988,279 ft²)

Utility Usage 2016 VS. 2017




2016
2017

	Electric	Gas	Water & Sewer
2016	7,999,479 (KWH)	150,590 (THERM)	12,390 (K Gal.)
2017	7,729,842 (KWH)	143,430 (THERM)	11,346 (K Gal.)



New Construction

- Highly Used Areas
 - Dome
 - Panther Learning Center
 - Large Open Spaces
 - Culinary Program
 - Computer Labs
 - Efficiency
 - Limited historical data
 - Efficiency better than district average
- 



LED Lighting Upgrades

- Five Schools Complete (Interior)
 - Raymore Elementary
 - Peculiar Elementary
 - Stonegate Elementary
 - Timber Creek Elementary
 - High School
- Timber Creek Complete (Interior & Exterior)
- Planning in Place
 - Eagle Glen
 - Raymore (Exterior)



Energy Manager

-Van McLain

- Ensure effective and efficient use of district funds.
 - Tracking of utility expenses and savings
 - Liaison between district and utility companies
 - Oversight of building efficiency plans and shutdowns
 - Completing building audits on a regular basis
 - Presentations to custodial staff
- Constantly looking for improvements
 - Working with staff to find rebates and upgrade lighting
 - Attend conferences and bring back fresh ideas

Programs Highlights

- **Cost Avoidance (2005 Baseline)**
 - 2017 Calendar Year: \$533,772
 - Cumulative (12 Years): \$5,014,994
- **Goals**
 - Minimal increases to building energy budgets in the face of increasing usage and rates
 - Maintain and improve upon the ongoing 30% relative cost avoidance





Questions?

