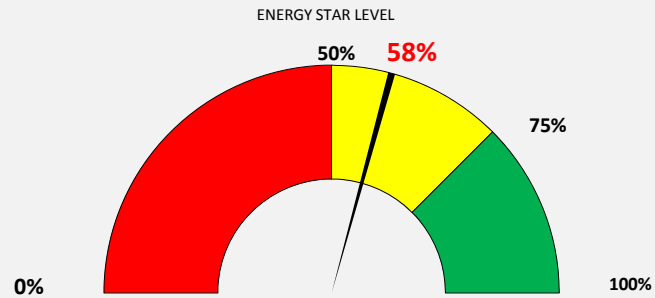


## MONTHLY UTILITY EFFICIENCY BREAKDOWN AND ANALYSIS

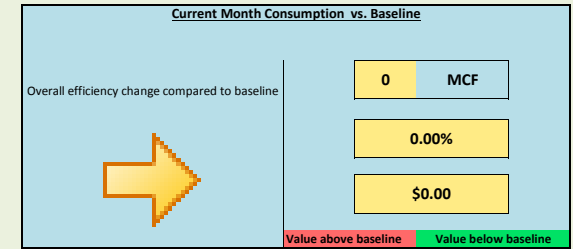
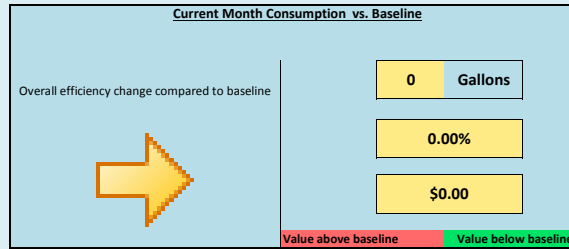
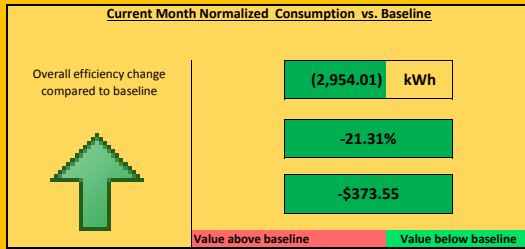


Breakdown: 50% = national average  
 50% < X < 75% → above national average, but room for improvement  
 X > 75% → approaching maximum efficiency

### ELECTRICITY

### WATER

### GAS



#### Important Observations and Notes

- June 2018 Normalized consumption shows a reduction 2,954 kWh compared to the 2013 baseline. This reduction of 21.31% translates into savings of \$373.55
- 2018 kW level has decreased by 18 kW compared to 2017.
- Power Factor is at \_\_\_\_.
- Energy Star level is at 58%

#### Important Observations and Notes

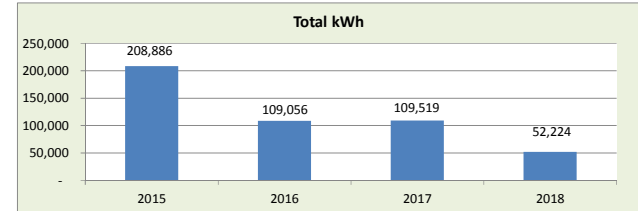
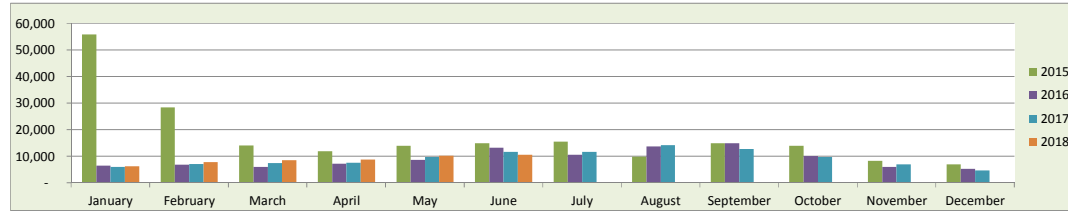
#### Important Observations and Notes

Site Name: Royal ISD - Field House  
 Site Address: 2524 DURKIN Rd. Pattison, TX 77423  
 ESI ID #: 1008901023812098230102  
 Meter #: 189587978  
 Building Type: School  
 Building Size (sq. ft.): 10,000

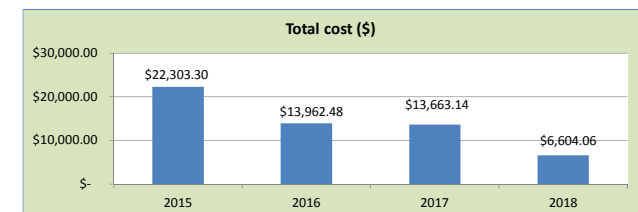
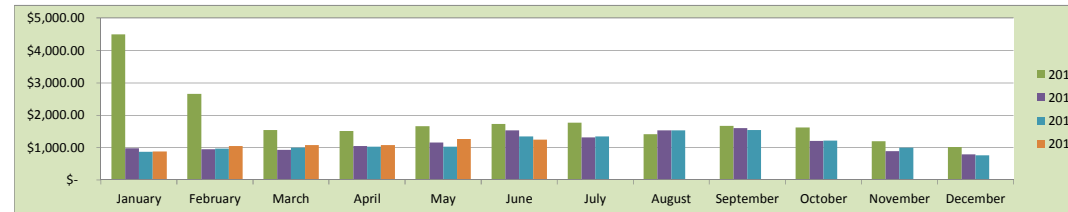


Electricity

Consumption - Kwh																
Year	January	February	March	April	May	June	July	August	September	October	November	December	Total kWh	Average		
2015	55,872	28,416	14,112	11,904	14,016	14,976	15,552	9,888	14,976	13,910	8,352	6,912	208,886	17,407		
2016	6,528	6,816	6,048	7,200	8,640	13,248	10,560	13,728	14,880	10,080	6,048	5,280	109,056	9,088		
2017	6,048	7,104	7,392	7,584	9,696	11,616	11,616	14,208	12,751	9,792	7,008	4,704	109,519	9,127		
2018	6,240	7,872	8,544	8,736	10,272	10,560							52,224	8,704		

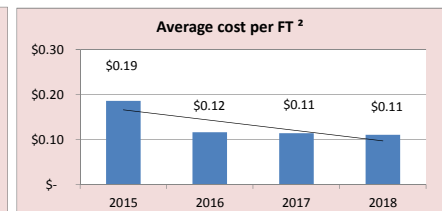
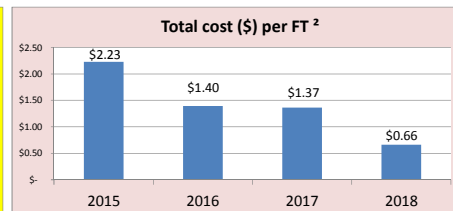
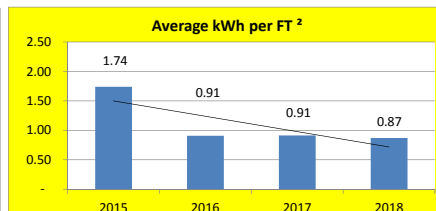
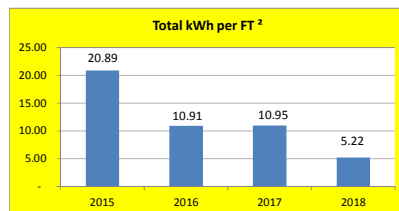


Cost - USD(\$)																
Year	January	February	March	April	May	June	July	August	September	October	November	December	Total cost (\$)	Average cost		
2015	\$ 4,491.13	\$ 2,654.87	\$ 1,547.03	\$ 1,519.33	\$ 1,661.41	\$ 1,732.88	\$ 1,766.48	\$ 1,414.88	\$ 1,671.06	\$ 1,619.29	\$ 1,200.73	\$ 1,024.21	\$ 22,303.30	\$ 1,858.61		
2016	\$ 979.88	\$ 956.23	\$ 933.57	\$ 1,048.81	\$ 1,163.67	\$ 1,530.58	\$ 1,314.74	\$ 1,537.07	\$ 1,602.26	\$ 1,208.99	\$ 894.33	\$ 792.35	\$ 13,962.48	\$ 1,163.54		
2017	\$ 870.81	\$ 970.69	\$ 996.64	\$ 1,030.38	\$ 1,032.42	\$ 1,347.66	\$ 1,345.57	\$ 1,538.55	\$ 1,541.11	\$ 1,221.12	\$ 1,003.32	\$ 764.87	\$ 13,663.14	\$ 1,138.60		
2018	\$ 887.40	\$ 1,045.93	\$ 1,076.13	\$ 1,084.32	\$ 1,266.02	\$ 1,244.26							\$ 6,604.06	\$ 1,100.68		



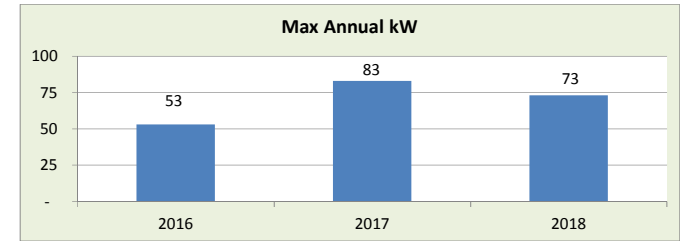
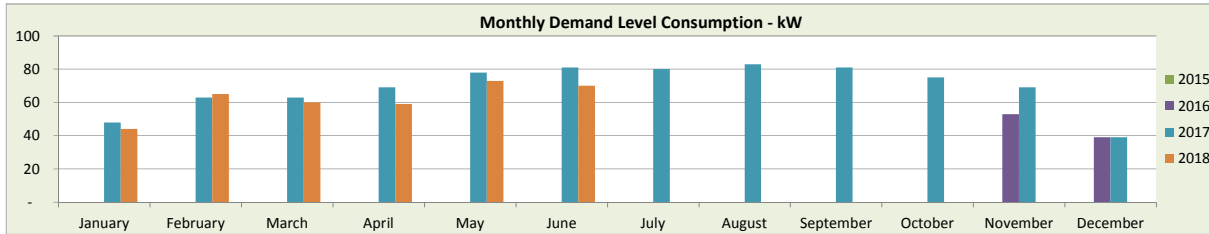
Consumption per FT <sup>2</sup> (kWh)																
Year	January	February	March	April	May	June	July	August	September	October	November	December	Total kWh per FT <sup>2</sup>	Average kWh per FT <sup>2</sup>		
2015	5.59	2.84	1.41	1.19	1.40	1.50	1.56	0.99	1.50	1.39	0.84	0.69	20.89	1.74		
2016	0.65	0.68	0.86	0.72	0.86	1.32	1.06	1.37	1.49	1.01	0.60	0.53	10.91	0.91		
2017	0.60	0.71	0.74	0.76	0.97	1.16	1.16	1.42	1.28	0.98	0.70	0.47	10.95	0.91		
2018	0.62	0.79	0.85	0.87	1.03	1.06							5.22	0.87		

Cost per FT <sup>2</sup>																
Year	January	February	March	April	May	June	July	August	September	October	November	December	Total cost (\$) per FT <sup>2</sup>	Average cost per FT <sup>2</sup>		
2015	\$ 0.449	\$ 0.265	\$ 0.155	\$ 0.152	\$ 0.166	\$ 0.173	\$ 0.177	\$ 0.141	\$ 0.167	\$ 0.162	\$ 0.120	\$ 0.102	\$ 2.23	\$ 0.19		
2016	\$ 0.098	\$ 0.096	\$ 0.093	\$ 0.105	\$ 0.116	\$ 0.153	\$ 0.131	\$ 0.154	\$ 0.160	\$ 0.121	\$ 0.089	\$ 0.079	\$ 1.40	\$ 0.12		
2017	\$ 0.087	\$ 0.097	\$ 0.100	\$ 0.103	\$ 0.103	\$ 0.135	\$ 0.135	\$ 0.154	\$ 0.154	\$ 0.122	\$ 0.100	\$ 0.076	\$ 1.37	\$ 0.11		
2018	\$ 0.089	\$ 0.105	\$ 0.108	\$ 0.108	\$ 0.127	\$ 0.124							\$ 0.66	\$ 0.11		

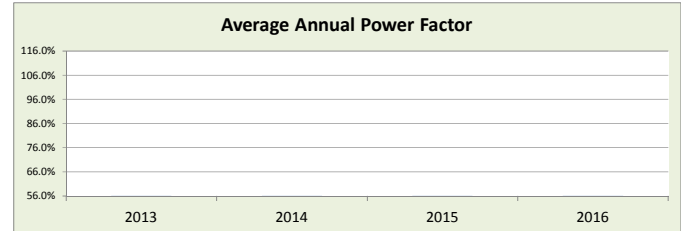
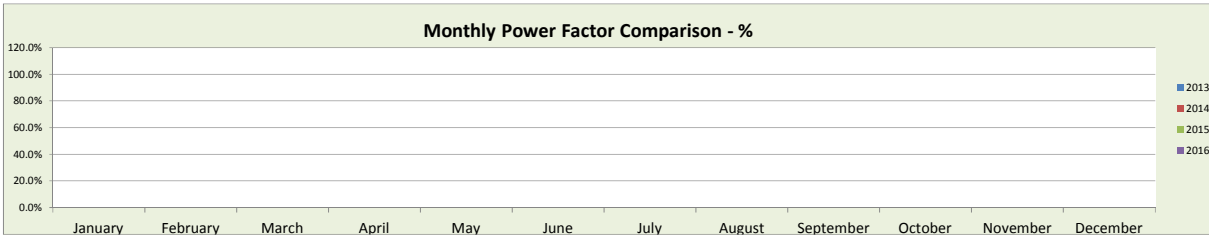


Notes:

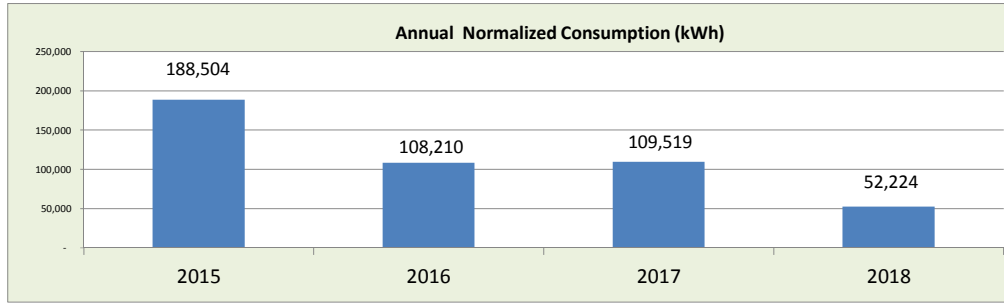
Demand Level - kW														
Year	January	February	March	April	May	June	July	August	September	October	November	December		Max Annual kW
2015														
2016											53	39		53
2017	48	63	63	69	78	81	80	83	81	75	69	39		83
2018	44	65	60	59	73	70								73



Power Factor - %														
Year	January	February	March	April	May	June	July	August	September	October	November	December		Average Annual Power Factor
2013														#DIV/0!
2014														#DIV/0!
2015														#DIV/0!
2016														#DIV/0!



YEAR	ANNUAL CONSUMPTION & COST DATA				NORMALIZED ANNUAL CONSUMPTION & COST DATA				
	Annual Consumption (kWh)	kWh Change vs. Baseline Year	Total Cost	Cost Change vs. Baseline Year	Rate (\$/kWh)	Annual Normalized Consumption (kWh)	kWh Change vs Base Year	% Change	Cost Change vs Base Year
2015	208,886	(153,994.00)	\$ 22,303.30	\$ (12,891.17)	\$ 0.1068	188,504	(152,758.12)	-44.76%	\$ (16,310.38)
2016	109,056	(253,824.00)	\$ 13,962.48	\$ (21,231.99)	\$ 0.1280	108,210	(233,051.36)	-68.29%	\$ (29,837.65)
2017	109,519	(253,361.00)	\$ 13,663.14	\$ (21,531.33)	\$ 0.1248	109,519	(231,742.80)	-67.91%	\$ (28,911.28)
2018	52,224		\$ 6,604.06		\$ 0.1265	52,224			



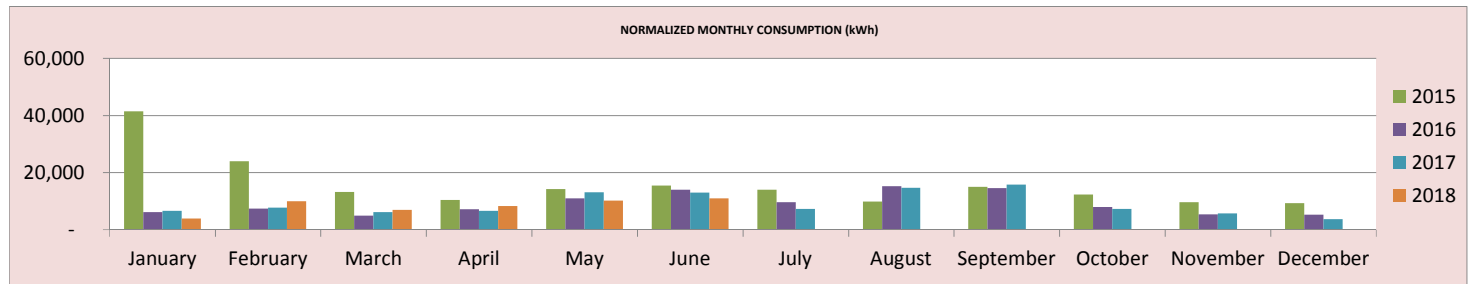
**Notes:**

- June 2018 Normalized consumption shows a reduction 2,954 kWh compared to the 2013 baseline. This reduction of 21.31% translates into savings of \$373.55
- 2018 kW level has decreased by 18 kW compared to 2017.
- Power Factor is at \_\_\_\_.
- Energy Star level is at 58%

Total kWh saved since 2013	-462,845.33
Total savings since 2013	-\$50,017.48

	MONTHLY CONSUMPTION (kWh)											
	January	February	March	April	May	June	July	August	September	October	November	December
2015	55,872	28,416	14,112	11,904	14,016	14,976	15,552	9,888	14,976	13,910	8,352	6,912
2016	6,528	6,816	6,048	7,200	8,640	13,248	10,560	13,728	14,880	10,080	6,048	5,280
2017	6,048	7,104	7,392	7,584	9,696	11,616	11,616	14,208	12,751	9,792	7,008	4,704
2018	6,240	7,872	8,544	8,736	10,272	10,560						

	NORMALIZED MONTHLY CONSUMPTION (kWh)											
	January	February	March	April	May	June	July	August	September	October	November	December
2015	41,430	23,919	13,228	10,387	14,244	15,384	13,952	9,824	14,973	12,247	9,600	9,316
2016	6,100	7,396	4,918	7,147	10,935	13,919	9,605	15,197	14,535	7,925	5,328	5,204
2017	6,606	7,678	6,112	6,564	13,059	(947.73)	7,291	14,647	15,741	7,210	5,629	3,685
2018	3,917	9,926	6,885	8,292	10,188	10,909						



	NORMALIZED MONTHLY CONSUMPTION CHANGE(kWh) vs Base Year											
	January	February	March	April	May	June	July	August	September	October	November	December
2015	301.34	(14,341.31)	(15,910.02)	(10,387.20)	(2,260.15)	1,521.70	(1,811.07)	(32,524.92)	(16,864.97)	(20,572.53)	(13,937.78)	(25,971.22)
2016	(35,028.80)	(30,864.00)	(24,219.68)	(13,627.24)	(5,568.83)	56.46	(6,157.85)	(27,151.67)	(17,302.59)	(24,894.60)	(18,209.78)	(30,082.78)
2017	(34,522.71)	(30,582.32)	(23,026.20)	(14,210.40)	(3,445.00)	(947.73)	(8,471.65)	(27,701.98)	(16,096.77)	(25,609.47)	(17,908.86)	(31,601.78)
2018	(37,211.52)	(28,334.32)	(22,252.70)	(12,482.86)	(6,315.95)	(2,954.01)						
Total	(131,297.74)	(122,868.38)	(90,534.14)	(39,721.24)	(953.91)	50,333.04	34,649.36	(56,086.33)	(17,076.48)	(37,049.24)	(21,556.10)	(30,684.19)

	MONTHLY CONSUMPTION PERCENTAGE CHANGE vs Base Year											
	January	February	March	April	May	June	July	August	September	October	November	December
2015	0.73%	-37.48%	-54.60%	-50.00%	-13.69%	10.98%	-11.49%	-76.80%	-52.97%	-62.68%	-59.21%	-73.60%
2016	-85.17%	-80.67%	-83.12%	-65.60%	-33.74%	0.41%	-39.07%	-64.11%	-54.35%	-75.85%	-77.36%	-85.25%
2017	-83.94%	-79.93%	-79.02%	-68.40%	-20.87%	-6.84%	-53.74%	-65.41%	-50.56%	-78.03%	-76.09%	-89.56%
2018	-90.48%	-74.06%	-76.37%	-60.09%	-38.27%	-21.31%						

	MONTHLY COST CHANGE vs Base Year											
	January	February	March	April	May	June	July	August	September	October	November	December
2015	\$32.17	-\$1,531.26	-\$1,698.75	-\$1,109.07	-\$241.32	\$162.48	-\$193.37	-\$3,472.77	-\$1,800.72	-\$2,196.58	-\$1,488.17	-\$2,773.01
2016	-\$4,484.75	-\$3,951.53	-\$3,100.85	-\$1,744.70	-\$712.98	\$7.23	-\$788.39	-\$3,476.24	-\$2,215.26	-\$3,187.27	-\$2,331.40	-\$3,851.51
2017	-\$4,419.96	-\$3,815.32	-\$2,872.65	-\$1,772.83	-\$429.78	-\$118.24	-\$1,056.89	-\$3,455.98	-\$2,008.17	-\$3,194.93	-\$2,234.24	-\$3,942.51
2018	-\$4,705.64	-\$3,583.06	-\$2,814.00	-\$1,578.54	-\$798.69	-\$373.55						
Total	-\$15,658.95	-\$14,451.76	-\$10,915.68	-\$5,284.68	-\$789.00	\$4,089.52	\$2,241.70	-\$7,783.31	-\$3,243.64	-\$5,727.94	-\$3,666.04	-\$5,793.91