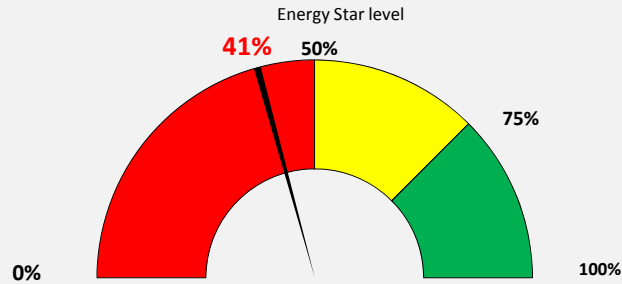


## MONTHLY UTILITY EFFICIENCY BREAKDOWN AND ANALYSIS

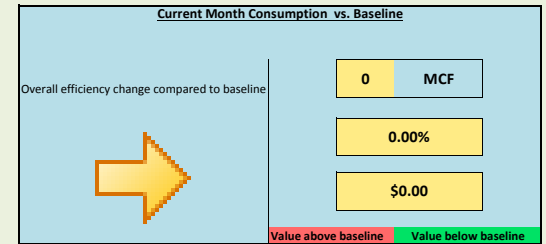
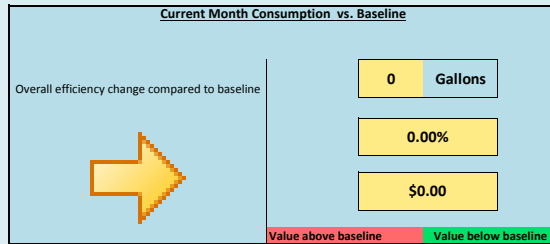
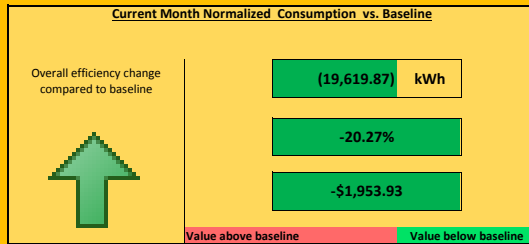


Breakdown: 50% = national average  
 50% < X < 75% → above national average, but room for improvement  
 X > 75% → approaching maximum efficiency

### ELECTRICITY

### WATER

### GAS



#### Important Observations and Notes

- June 2018 normalized consumption is 20.27% below the baseline. This translates to decrease of almost 19,619 kWh and financial gain of \$1,953.93 this month.
- Current Demand Level (kW) is 34 kW lower compared to last year
- Energy Star level is at 41%

#### Important Observations and Notes

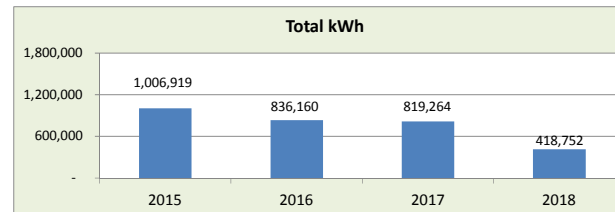
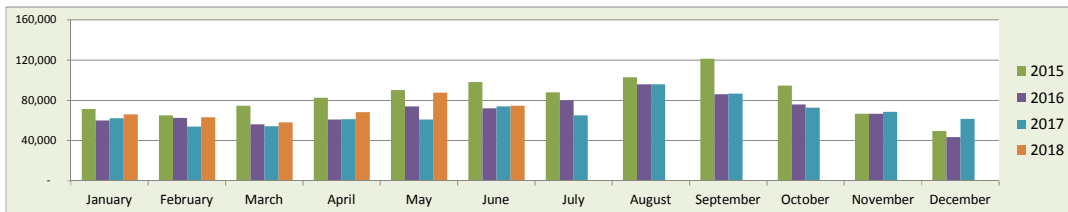
#### Important Observations and Notes

Site Name: Royal ISD - Early Childhood  
 Site Address: 2302 DURKIN RD. Brookshire, Tx 77423  
 ESI ID #: 1008901001900275240108  
 Meter #: I65888306  
 Building Type: School  
 Building Size (sq. ft.): 61,490

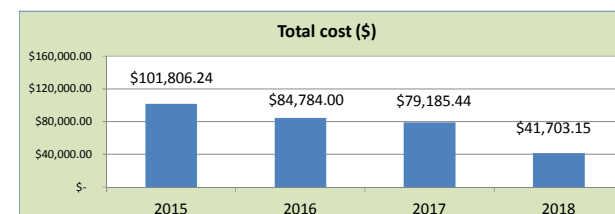
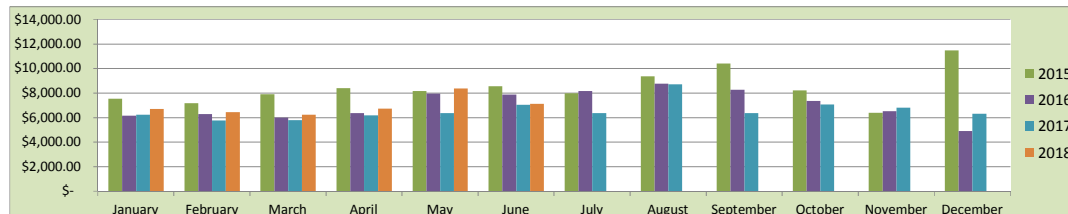


Electricity

Consumption - Kwh														Total kWh	Average
Year	January	February	March	April	May	June	July	August	September	October	November	December			
2015	71,616	65,280	74,688	82,752	90,240	98,304	88,128	103,104	121,536	94,727	66,816	49,728	1,006,919	83,910	
2016	60,096	62,592	56,448	61,056	74,112	72,384	80,256	96,000	86,400	76,224	67,008	43,584	836,160	69,680	
2017	62,400	54,144	54,336	61,440	61,056	74,112	65,280	96,192	86,976	72,768	68,736	61,824	819,264	68,272	
2018	66,240	63,360	58,176	68,544	87,744	74,688							418,752	69,792	

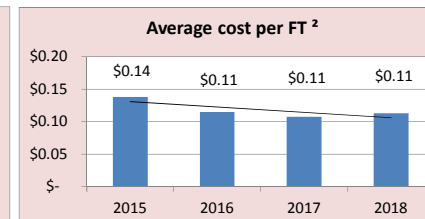
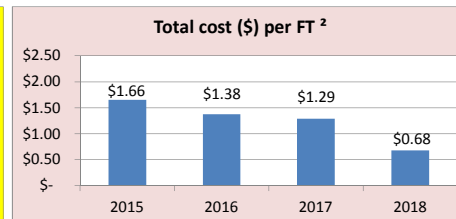
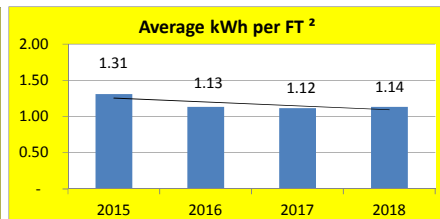
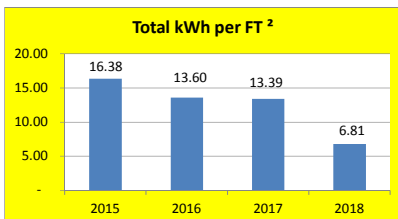


Cost - USD(\$)														Total cost (\$)	Average cost
Year	January	February	March	April	May	June	July	August	September	October	November	December			
2015	\$ 7,557.52	\$ 7,194.16	\$ 7,927.81	\$ 8,422.76	\$ 8,173.62	\$ 8,578.66	\$ 7,991.03	\$ 9,379.19	\$ 10,431.09	\$ 8,236.32	\$ 6,411.34	\$ 11,502.74	\$ 101,806.24	\$ 8,483.85	
2016	\$ 6,172.81	\$ 6,299.05	\$ 6,007.81	\$ 6,390.47	\$ 7,966.62	\$ 7,897.16	\$ 8,174.06	\$ 8,784.20	\$ 8,286.91	\$ 7,365.78	\$ 6,525.29	\$ 4,913.84	\$ 84,784.00	\$ 7,065.33	
2017	\$ 6,261.28	\$ 5,767.13	\$ 5,801.00	\$ 6,198.87	\$ 6,380.31	\$ 7,063.74	\$ 6,381.29	\$ 8,731.87	\$ 6,367.95	\$ 7,081.54	\$ 6,823.66	\$ 6,326.80	\$ 79,185.44	\$ 6,598.79	
2018	\$ 6,712.94	\$ 6,469.04	\$ 6,242.81	\$ 6,751.84	\$ 8,392.46	\$ 7,134.06							\$ 41,703.15	\$ 6,950.53	



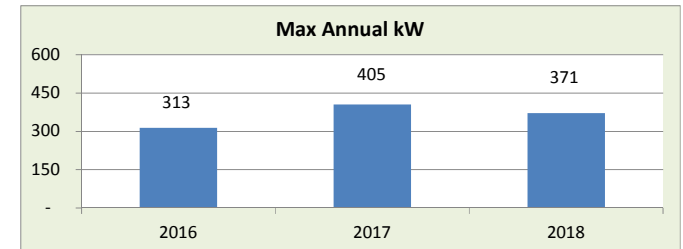
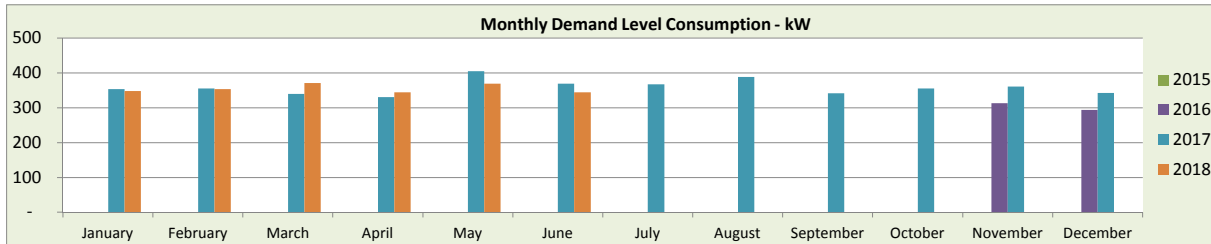
Consumption per FT <sup>2</sup> (kWh)														Total kWh per FT <sup>2</sup>	Average kWh per FT <sup>2</sup>
Year	January	February	March	April	May	June	July	August	September	October	November	December			
2015	1.16	1.06	1.21	1.35	1.47	1.60	1.43	1.68	1.98	1.54	1.09	0.81	16.38	1.31	
2016	0.98	1.02	0.92	0.99	1.21	1.18	1.31	1.56	1.41	1.24	1.09	0.71	13.60	1.13	
2017	1.01	0.88	0.88	1.00	1.21	1.06	1.06	1.56	1.41	1.18	1.12	1.01	13.39	1.12	
2018	1.08	1.03	0.95	1.11	1.43	1.21							6.81	1.14	

Cost per FT <sup>2</sup>														Total cost (\$) per FT <sup>2</sup>	Average cost per FT <sup>2</sup>
Year	January	February	March	April	May	June	July	August	September	October	November	December			
2015	\$ 0.123	\$ 0.117	\$ 0.129	\$ 0.137	\$ 0.133	\$ 0.140	\$ 0.130	\$ 0.153	\$ 0.170	\$ 0.134	\$ 0.104	\$ 0.187	\$ 1.66	\$ 0.14	
2016	\$ 0.100	\$ 0.102	\$ 0.098	\$ 0.104	\$ 0.130	\$ 0.128	\$ 0.133	\$ 0.143	\$ 0.135	\$ 0.120	\$ 0.106	\$ 0.080	\$ 1.38	\$ 0.11	
2017	\$ 0.102	\$ 0.094	\$ 0.094	\$ 0.101	\$ 0.104	\$ 0.115	\$ 0.104	\$ 0.142	\$ 0.104	\$ 0.115	\$ 0.111	\$ 0.103	\$ 1.29	\$ 0.11	
2018	\$ 0.109	\$ 0.105	\$ 0.102	\$ 0.110	\$ 0.136	\$ 0.116							\$ 0.68	\$ 0.11	

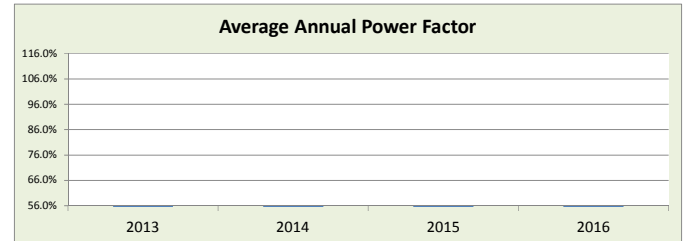
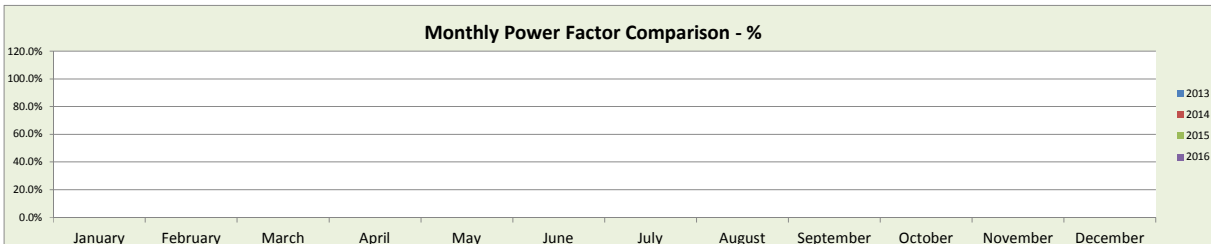


Notes:

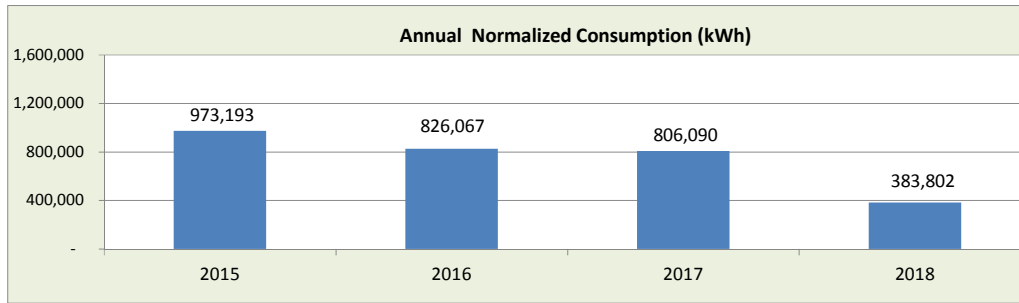
Demand Level - kW														
Year	January	February	March	April	May	June	July	August	September	October	November	December		Max Annual kW
2015														#DIV/0!
2016											313	294		313
2017	353	355	340	330	405	369	367	388	341	355	361	342		405
2018	348	353	371	344	369	344								371



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!



#NAME?	ANNUAL CONSUMPTION & COST DATA				Rate (\$/kWh)	NORMALIZED ANNUAL CONSUMPTION & COST DATA			
	Annual Consumption (kWh)	kWh Change vs. Baseline Year	Total Cost	Cost Change vs. Baseline Year		Annual Normalized Consumption (kWh)	kWh Change vs Base Year	% Change	Cost Change vs Base Year
2015	1,006,919	(38,329.00)	\$ 101,806.24	(3,690.41)	\$ 0.1011	973,193	(52,295.60)	-5.10%	\$ (5,287.44)
2016	836,160	(209,088.00)	\$ 84,784.00	(20,712.66)	\$ 0.1014	826,067	(199,421.39)	-19.45%	\$ (20,220.70)
2017	819,264	(225,984.00)	\$ 79,185.44	(26,311.22)	\$ 0.0967	806,090	(219,397.93)	-21.39%	\$ (21,205.77)
2018	418,752		\$ 41,703.15		\$ 0.0996	383,802			



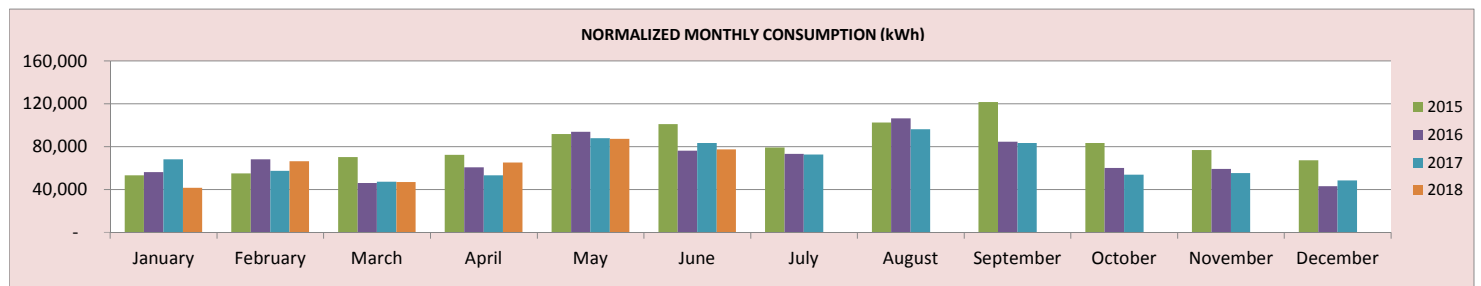
**Notes:**

- June 2018 normalized consumption is 20.27% below the baseline. This translates to decrease of almost 19,619 kWh and financial gain of \$1,953.93 this month.
- Current Demand Level (kW) is 34 kW lower compared to last year
- Energy Star level is at 41%

<b>Total kWh saved since 2013</b>	-599,464.63
<b>Total savings since 2013</b>	-\$60,632.12

	MONTHLY CONSUMPTION (kWh)											
	January	February	March	April	May	June	July	August	September	October	November	December
2015	71,616	65,280	74,688	82,752	90,240	98,304	88,128	103,104	121,536	94,727	66,816	49,728
2016	60,096	62,592	56,448	61,056	74,112	72,384	80,256	96,000	86,400	76,224	67,008	43,584
2017	62,400	54,144	54,336	61,440	61,056	74,112	65,280	96,192	86,976	72,768	68,736	61,824
2018	66,240	63,360	58,176	68,544	87,744	74,688						

	NORMALIZED MONTHLY CONSUMPTION (kWh)											
	January	February	March	April	May	June	July	August	September	October	November	December
2015	53,104	54,949	70,010	72,208	91,707	100,985	79,060	102,437	121,510	83,402	76,800	67,020
2016	56,153	67,921	45,906	60,608	93,799	76,051	72,998	106,275	84,398	59,927	59,037	42,993
2017	68,155	57,371	47,033	53,182	87,664	83,320	72,581	96,167	83,383	53,587	55,209	48,438
2018	41,583	66,099	46,883	65,056	87,027	77,154						



	NORMALIZED MONTHLY CONSUMPTION CHANGE(kWh) vs Base Year											
	January	February	March	April	May	June	July	August	September	October	November	December
2015	(19,061.07)	(13,419.24)	6,275.46	(39,750.05)	(34,861.65)	4,210.77	(6,223.28)	(9,442.85)	21,471.98	(5,695.20)	26,595.56	17,603.96
2016	(16,012.03)	(447.20)	(17,828.83)	(51,349.96)	(32,769.19)	(20,722.98)	(12,285.34)	(5,605.22)	(15,640.22)	(29,169.70)	8,832.56	(6,423.28)
2017	(4,010.32)	(10,997.32)	(16,701.72)	(58,775.84)	(38,904.61)	(13,454.25)	(12,702.22)	(15,713.09)	(16,655.05)	(35,509.79)	5,004.56	(978.28)
2018	(30,582.32)	(2,269.32)	(16,851.71)	(46,901.84)	(39,541.75)	(19,619.87)						
<b>Total</b>	<b>(89,488.72)</b>	<b>(37,118.37)</b>	<b>(60,816.25)</b>	<b>(226,636.71)</b>	<b>(159,098.28)</b>	<b>(46,280.09)</b>	<b>(30,717.43)</b>	<b>(26,122.77)</b>	<b>(4,606.72)</b>	<b>(68,940.20)</b>	<b>61,237.75</b>	<b>89,123.17</b>

	MONTHLY CONSUMPTION PERCENTAGE CHANGE vs Base Year											
	January	February	March	April	May	June	July	August	September	October	November	December
2015	-26.41%	-19.63%	9.85%	-35.50%	-27.54%	4.35%	-7.30%	-8.44%	21.46%	-6.39%	52.97%	35.62%
2016	-22.19%	-0.65%	-27.97%	-45.87%	-25.89%	-21.41%	-14.41%	-5.01%	-15.63%	-32.74%	17.59%	-13.00%
2017	-5.56%	-16.09%	-26.21%	-52.50%	-30.74%	-13.90%	-14.89%	-14.04%	-16.65%	-39.86%	9.97%	-1.98%
2018	-42.38%	-3.32%	-26.44%	-41.89%	-31.24%	-20.27%						

	MONTHLY COST CHANGE vs Base Year											
	January	February	March	April	May	June	July	August	September	October	November	December
2015	-\$1,927.20	-\$1,356.77	\$634.49	-\$4,019.00	-\$3,524.75	\$425.74	-\$629.21	-\$954.74	\$2,170.96	-\$575.82	\$2,688.99	\$1,779.88
2016	-\$1,623.57	-\$45.34	-\$1,807.79	-\$5,206.72	-\$3,322.69	-\$2,101.24	-\$1,245.69	-\$568.35	-\$1,585.87	-\$2,957.72	\$895.59	-\$651.30
2017	-\$387.61	-\$1,062.94	-\$1,614.29	-\$5,680.94	-\$3,760.30	-\$1,300.41	-\$1,227.72	-\$1,518.74	-\$1,609.78	-\$3,432.18	\$483.71	-\$94.56
2018	-\$3,045.67	-\$226.00	-\$1,678.25	-\$4,670.91	-\$3,937.93	-\$1,953.93						
<b>Total</b>	<b>-\$9,073.74</b>	<b>-\$3,743.68</b>	<b>-\$6,121.88</b>	<b>-\$22,725.23</b>	<b>-\$15,918.31</b>	<b>-\$4,581.31</b>	<b>-\$3,050.62</b>	<b>-\$2,552.86</b>	<b>-\$369.36</b>	<b>-\$6,814.49</b>	<b>\$6,261.51</b>	<b>\$9,353.63</b>