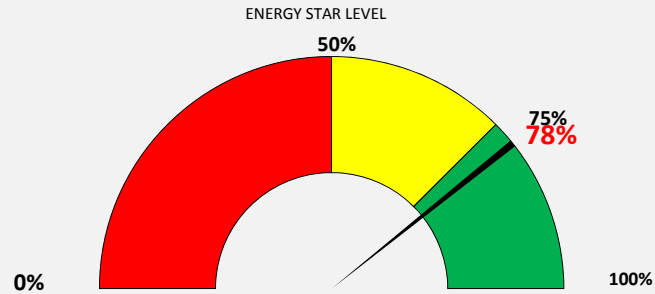


## MONTHLY UTILITY EFFICIENCY BREAKDOWN AND ANALYSIS

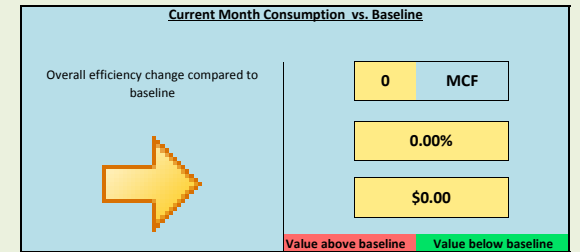
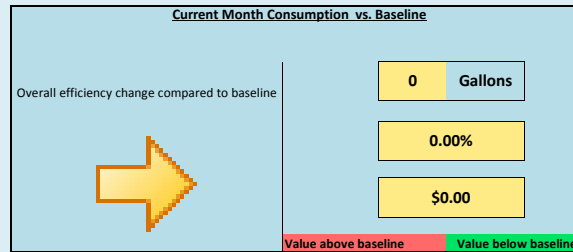
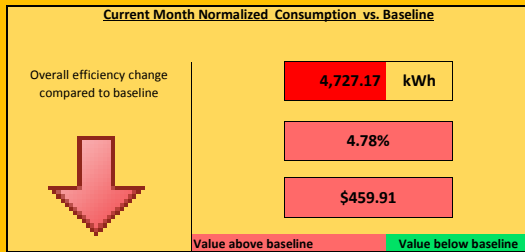


Breakdown: 50% = national average  
 50% < X < 75% → above national average, but room for improvement  
 X > 75% → approaching maximum efficiency

### ELECTRICITY

### WATER

### GAS



### Important Observations and Notes

\*June 2018 normalized consumption shows an increase of 4.78% compared to 2013 base line. This leads to additional usage of 4,727 kWh and cost of \$459.91  
 \*\*Current Maximum kW has decreased by 98 kW compared to last year  
 \*\*\*Energy Star level is at 78%

### Important Observations and Notes

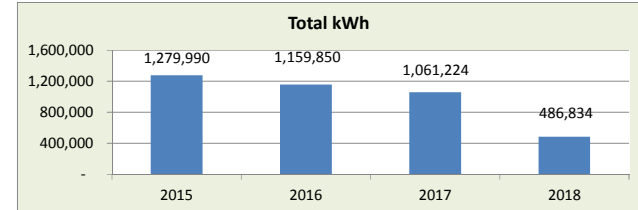
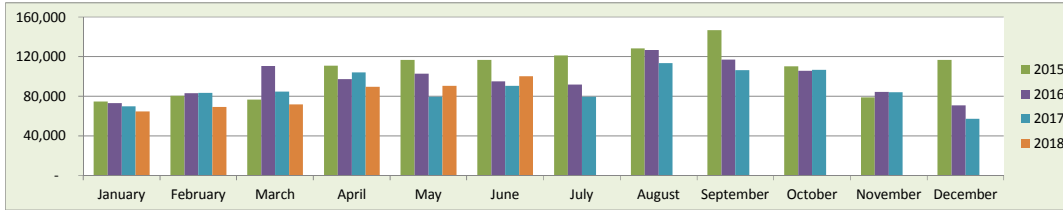
### Important Observations and Notes

Site Name: Royal ISD - Junior High  
 Site Address: 2520 DURKIN Rd.  
 ESI ID #: 1008901042787085335100  
 Meter #: 186308  
 Building Type: School  
 Building Size (sq. ft.): 124,329

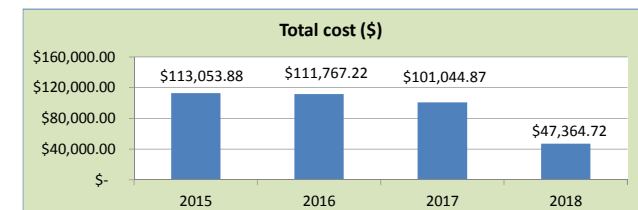
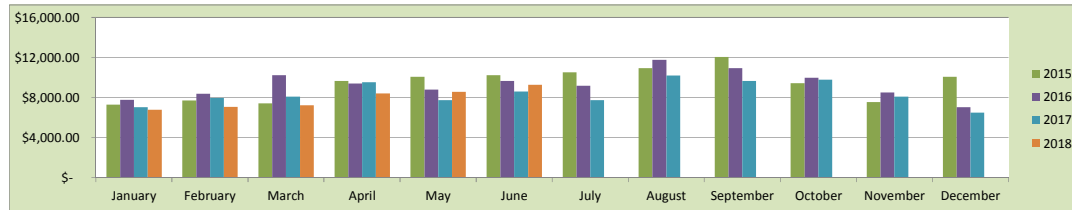


**Electricity**

Consumption - Kwh															
Year	January	February	March	April	May	June	July	August	September	October	November	December	Total kwh	Average	
2015	74,859	80,748	76,677	110,956	116,842	116,926	121,435	128,387	147,113	110,328	78,877	116,842	1,279,990	106,666	
2016	73,153	83,309	110,673	97,478	102,885	95,150	92,018	126,949	117,182	105,719	84,424	70,910	1,159,850	96,654	
2017	70,069	83,476	84,823	104,150	79,800	90,728	79,800	113,540	106,575	106,844	84,080	57,339	1,061,224	88,435	
2018	64,897	69,203	72,012	89,744	90,663	100,315							486,834	81,139	

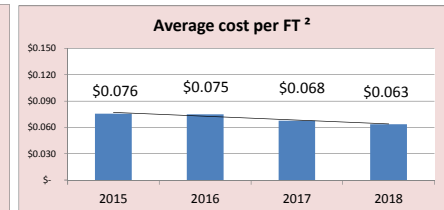
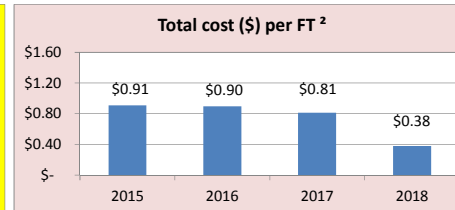
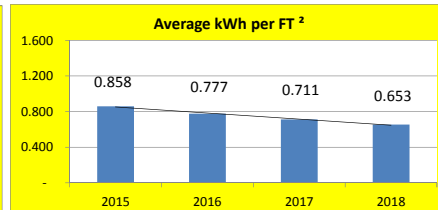
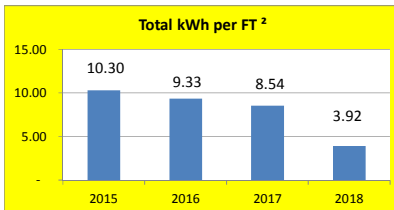


Cost - USD(\$)															
Year	January	February	March	April	May	June	July	August	September	October	November	December	Total cost (\$)	Average cost	
2015	\$ 7,315.98	\$ 7,721.82	\$ 7,427.60	\$ 9,655.10	\$ 10,070.57	\$ 10,243.12	\$ 10,537.38	\$ 10,947.70	\$ 12,064.66	\$ 9,454.29	\$ 7,545.09	\$ 10,070.57	\$ 113,053.88	\$ 9,421.16	
2016	\$ 7,789.83	\$ 8,399.84	\$ 10,248.62	\$ 9,400.19	\$ 8,810.88	\$ 9,681.20	\$ 9,190.53	\$ 11,766.02	\$ 10,957.35	\$ 9,981.42	\$ 8,508.64	\$ 7,032.70	\$ 111,767.22	\$ 9,313.94	
2017	\$ 7,033.58	\$ 7,978.62	\$ 8,090.15	\$ 9,554.88	\$ 7,745.95	\$ 8,617.17	\$ 7,745.95	\$ 10,201.44	\$ 9,654.49	\$ 9,806.38	\$ 8,102.62	\$ 6,513.64	\$ 101,044.87	\$ 8,420.41	
2018	\$ 6,778.38	\$ 7,073.18	\$ 7,235.45	\$ 8,413.89	\$ 8,584.43	\$ 9,279.39							\$ 47,364.72	\$ 7,894.12	



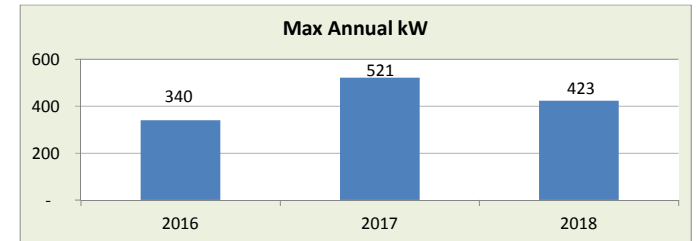
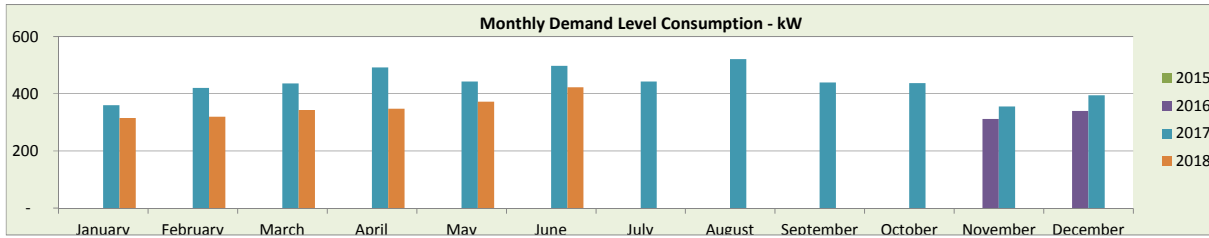
Consumption per FT <sup>2</sup> (kWh)														
Year	January	February	March	April	May	June	July	August	September	October	November	December	Total kWh per FT	Average kWh per FT
2015	0.60	0.65	0.62	0.89	0.94	0.94	0.98	1.03	1.18	0.89	0.63	0.94	10.30	0.858
2016	0.59	0.67	0.89	0.78	0.83	0.77	0.74	1.02	0.94	0.85	0.68	0.57	9.33	0.777
2017	0.56	0.67	0.68	0.84	0.64	0.73	0.64	0.91	0.86	0.86	0.68	0.46	8.54	0.711
2018	0.52	0.56	0.58	0.72	0.73	0.81							3.92	0.653

Cost per FT <sup>2</sup>														
Year	January	February	March	April	May	June	July	August	September	October	November	December	Total cost (\$)	Average cost per FT
2015	\$ 0.059	\$ 0.062	\$ 0.060	\$ 0.078	\$ 0.081	\$ 0.082	\$ 0.085	\$ 0.088	\$ 0.097	\$ 0.076	\$ 0.061	\$ 0.081	\$ 0.91	\$ 0.076
2016	\$ 0.063	\$ 0.068	\$ 0.082	\$ 0.076	\$ 0.071	\$ 0.078	\$ 0.074	\$ 0.095	\$ 0.088	\$ 0.080	\$ 0.068	\$ 0.057	\$ 0.90	\$ 0.075
2017	\$ 0.057	\$ 0.064	\$ 0.065	\$ 0.077	\$ 0.062	\$ 0.069	\$ 0.062	\$ 0.082	\$ 0.078	\$ 0.079	\$ 0.065	\$ 0.052	\$ 0.81	\$ 0.068
2018	\$ 0.055	\$ 0.057	\$ 0.058	\$ 0.068	\$ 0.069	\$ 0.075							\$ 0.38	\$ 0.063

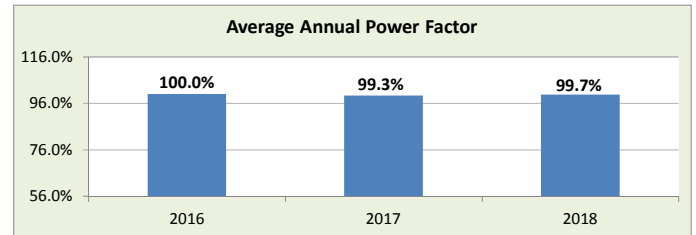
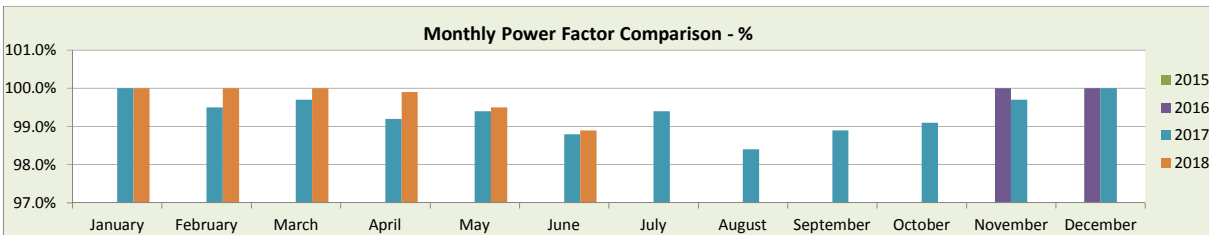


Notes:

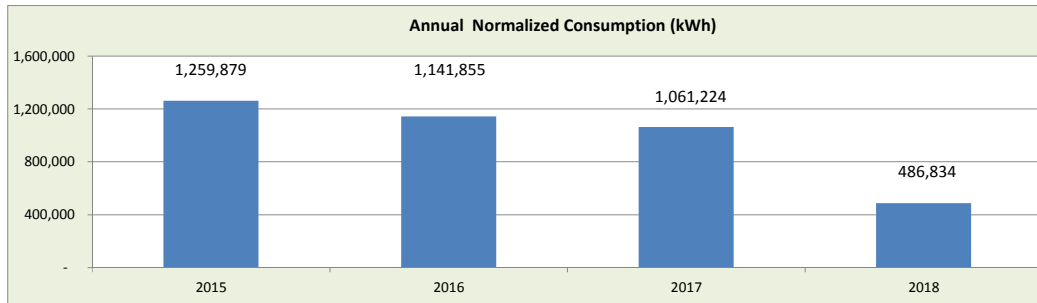
Demand Level - kW														
Year	January	February	March	April	May	June	July	August	September	October	November	December		Max Annual kW
2015														#DIV/0!
2016											312	340		340
2017	360	420	436	492	443	498	443	521	439	437	355	395		521
2018	315	320	343	348	372	423								423



Power Factor - %														
Year	January	February	March	April	May	June	July	August	September	October	November	December		Average Annual Power Factor
2015														#DIV/0!
2016											100.0%	100.0%		100.0%
2017	100.0%	99.5%	99.7%	99.2%	99.4%	98.8%	99.4%	98.4%	98.9%	99.1%	99.7%	100.0%		99.3%
2018	100.0%	100.0%	100.0%	99.9%	99.5%	98.9%								99.7%



YEAR	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	1,279,990	(39,294.00)	\$ 113,053.88	(22,363.84)	\$ 0.0883	1,259,879	(41,933.02)	-3.22%	\$ (3,703.69)
2016	1,159,850	(159,433.72)	\$ 111,767.22	(23,650.50)	\$ 0.0964	1,141,855	(159,956.14)	-12.29%	\$ (15,413.93)
2017	1,061,224	(258,060.40)	\$ 101,044.87	(34,372.85)	\$ 0.0952	1,061,224	(240,587.98)	-18.48%	\$ (22,907.69)
2018	486,834		\$ 47,364.72		\$ 0.0973	486,834			

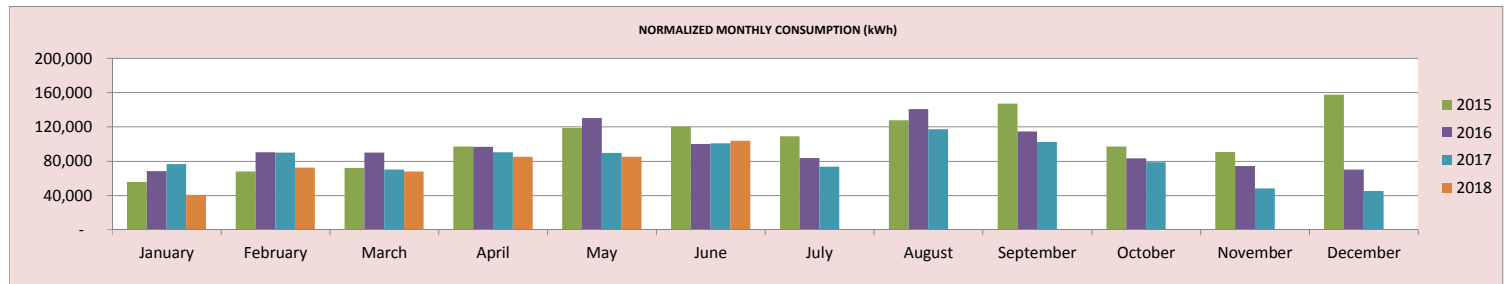


**Notes:**  
 \*June 2018 normalized consumption shows an increase of 4.78% compared to 2013 base line. This leads to additional usage of 4,727 kWh and cost of \$459.91  
 \*\*Current Maximum kW has decreased by 98 kW compared to last year  
 \*\*\*Energy Star level is at 78%

Total kWh saved since 2013	-870,831.98
Total savings since 2013	-\$83,641.15

	MONTHLY CONSUMPTION (kWh)											
	January	February	March	April	May	June	July	August	September	October	November	December
2015	74,859	80,748	76,677	110,956	116,842	116,926	121,435	128,387	147,113	110,328	78,877	116,842
2016	73,153	83,309	110,673	97,478	102,885	95,150	92,018	126,949	117,182	105,719	84,424	70,910
2017	70,069	83,476	84,823	104,150	79,800	90,728	79,800	113,540	106,575	106,844	84,080	57,339
2018	64,897	69,203	72,012	89,744	90,663	100,315	-	-	-	-	-	-

	NORMALIZED MONTHLY CONSUMPTION (kWh)											
	January	February	March	April	May	June	July	August	September	October	November	December
2015	55,509	67,969	71,875	96,818	118,741	120,115	108,940	127,557	147,082	97,137	90,663	157,472
2016	68,354	90,402	90,004	96,763	130,216	99,971	83,697	140,536	114,467	83,116	74,382	69,949
2017	76,531	89,788	70,134	90,152	89,715	100,875	73,606	117,052	102,185	78,661	48,183	44,924
2018	40,740	72,195	68,033	85,178	85,178	103,627						



	NORMALIZED MONTHLY CONSUMPTION CHANGE(kWh) vs Base Year											
	January	February	March	April	May	June	July	August	September	October	November	December
2015	(38,132.98)	(34,563.03)	(5,679.17)	(47,249.92)	(47,056.22)	21,215.06	2,309.22	(5,784.07)	23,213.18	(37,273.38)	25,260.26	101,808.03
2016	(25,288.30)	(12,130.24)	12,450.16	(47,305.41)	(35,581.82)	1,070.86	(22,934.48)	7,195.53	(9,401.87)	(51,294.77)	8,979.42	14,284.79
2017	(17,110.96)	(12,744.22)	(7,419.77)	(53,915.98)	(76,082.62)	1,975.17	(33,025.28)	(16,289.01)	(21,683.38)	(55,729.75)	(17,219.96)	(10,740.21)
2018	(52,901.96)	(30,337.22)	(9,520.77)	(58,889.98)	(80,619.54)	4,727.17						
Total	(173,480.55)	(129,412.28)	(37,173.79)	(263,434.57)	(271,830.88)	49,660.40	(48,323.37)	(19,462.38)	1,138.34	(156,201.85)	14,610.40	163,078.56

	MONTHLY CONSUMPTION PERCENTAGE CHANGE vs Base Year											
	January	February	March	April	May	June	July	August	September	October	November	December
2015	-40.72%	-33.71%	-7.32%	-32.80%	-28.38%	21.45%	2.17%	-4.34%	18.74%	-27.73%	38.62%	182.90%
2016	-27.01%	-11.83%	16.05%	-32.84%	-21.46%	1.08%	-21.51%	5.40%	-7.59%	-38.16%	13.73%	25.66%
2017	-18.27%	-12.43%	-9.57%	-37.42%	-45.89%	2.00%	-30.97%	-12.22%	-17.51%	-41.46%	-26.33%	-19.29%
2018	-56.49%	-29.59%	-12.28%	-40.88%	-48.63%	4.78%						

	MONTHLY COST CHANGE vs Base Year											
	January	February	March	April	May	June	July	August	September	October	November	December
2015	-\$3,368.06	-\$3,052.75	-\$501.61	-\$4,173.30	-\$4,156.19	\$1,873.80	\$203.96	-\$510.87	\$2,050.28	-\$3,292.14	\$2,231.09	\$8,992.10
2016	-\$2,436.87	-\$1,168.91	\$1,199.74	-\$4,558.51	-\$3,428.79	\$103.19	-\$2,210.05	\$693.39	-\$906.00	-\$4,942.94	\$865.29	\$1,261.69
2017	-\$1,629.23	-\$1,213.45	-\$706.48	-\$5,133.63	-\$7,244.24	\$188.07	-\$3,144.52	-\$1,550.97	-\$2,089.49	-\$5,370.31	-\$1,639.61	-\$948.62
2018	-\$5,146.90	-\$2,951.55	-\$926.29	-\$5,729.48	-\$7,843.58	\$459.91						
Total	-\$16,724.04	-\$12,487.34	-\$3,728.35	-\$25,395.98	-\$26,034.11	\$4,763.60	-\$4,599.48	-\$1,842.77	-\$13.03	-\$14,836.91	\$1,207.51	\$15,277.19