

Mason Town Building Electricity 5 year history

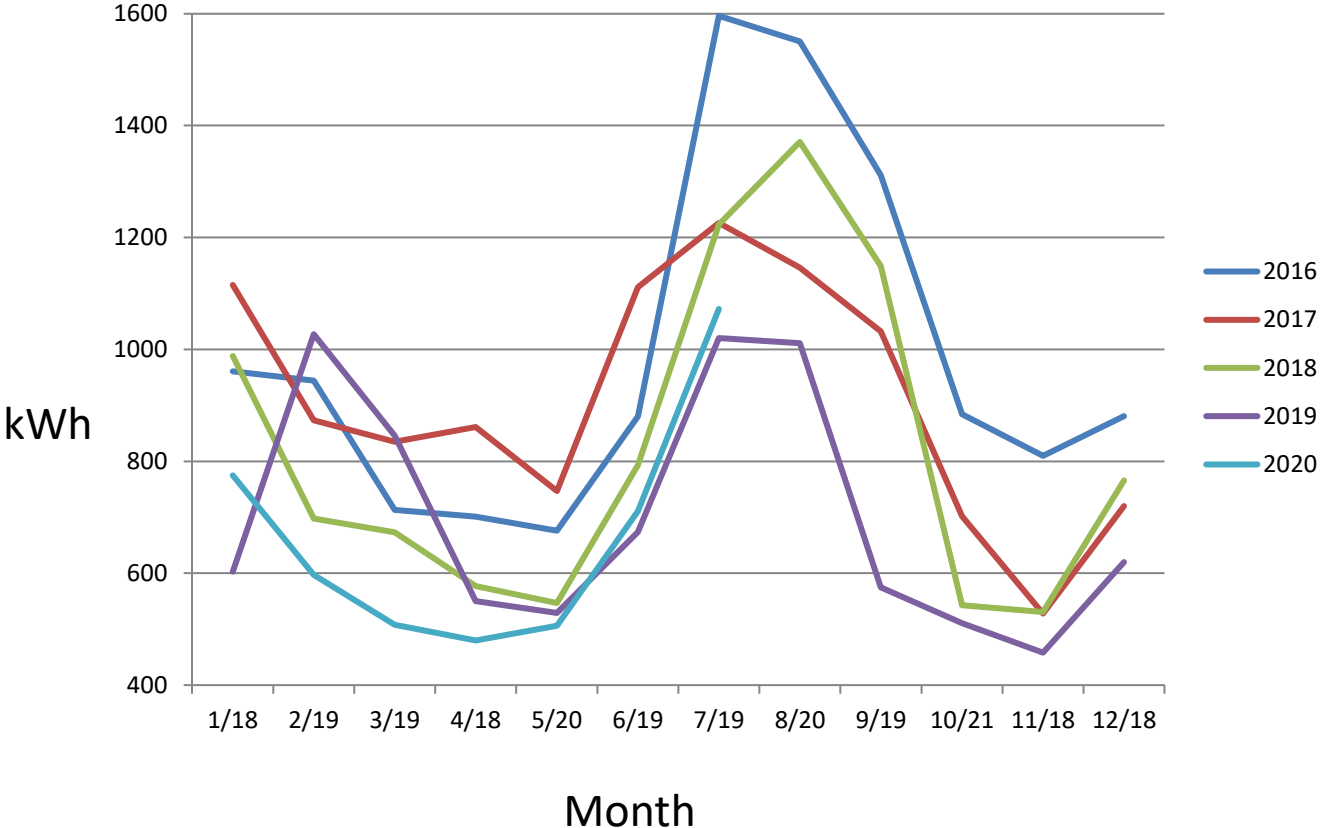
As of July 2020

Police Dept electricity year by year

Higher usage during summer

July 2020 has surcharge for peak >5kW

2019
8424 kWh
\$1714

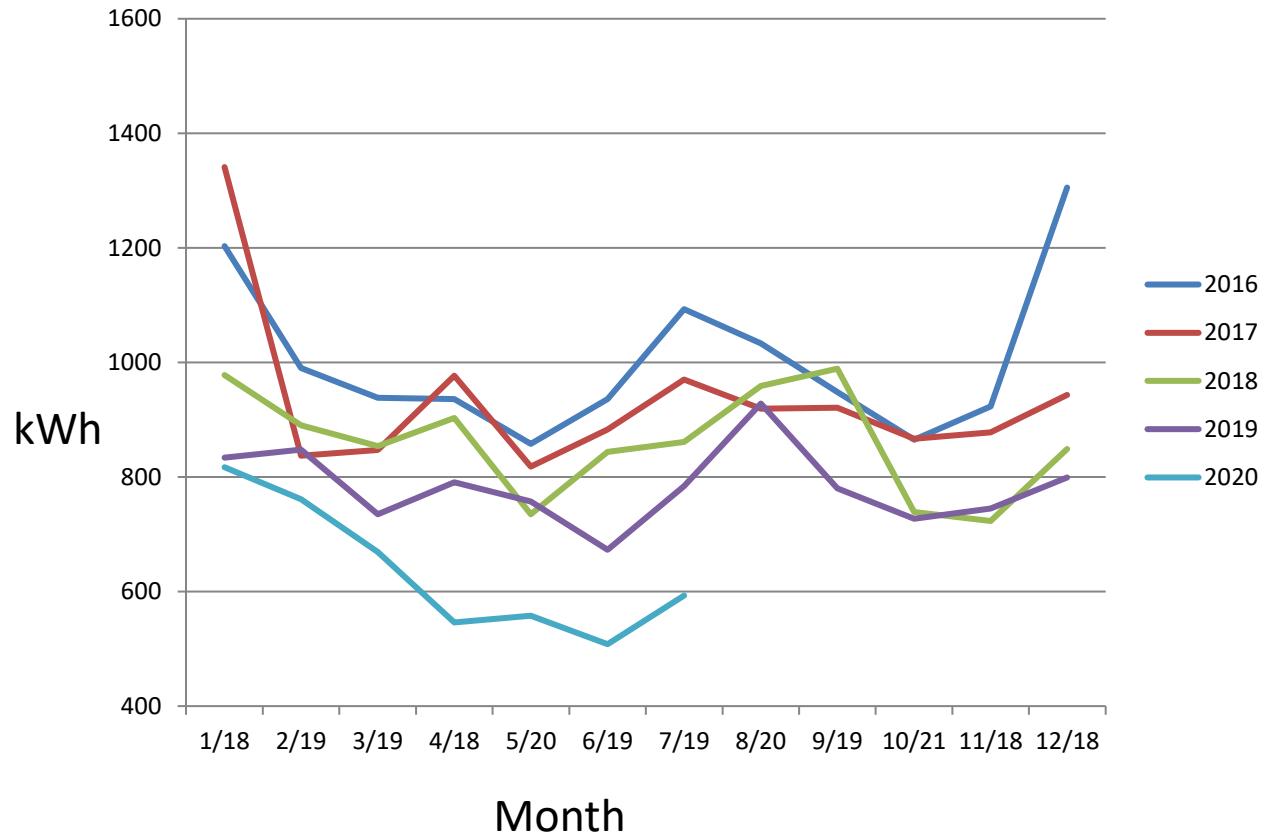


Mann House electricity year by year

Higher usage
from Nov 2016
to Jan 2017

Covid 19
evident in 2020

2019
9401 kWh
\$1877

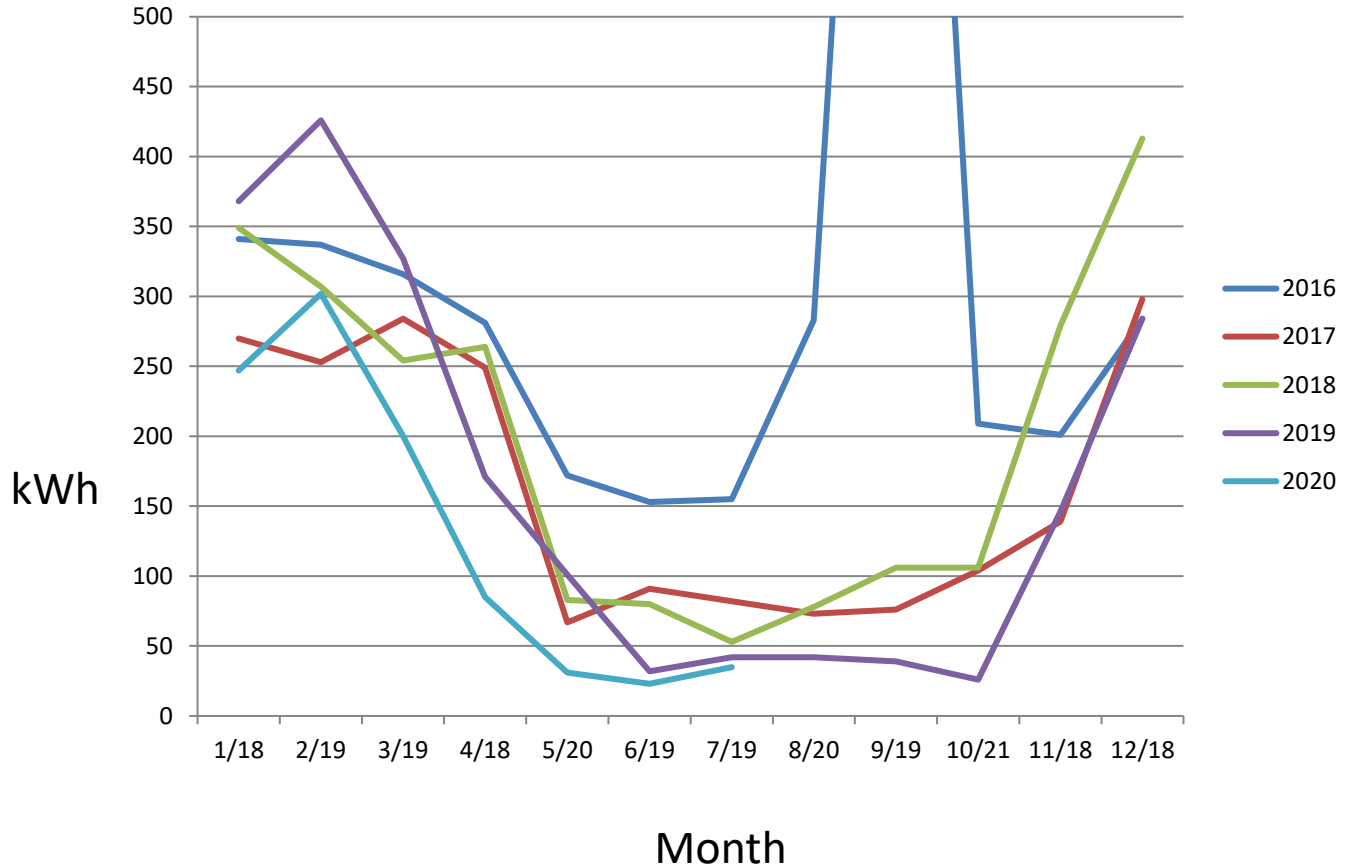


Town Hall electricity usage year by year

Higher usage in winter.

Aug-Oct 2016?

2019
2004 kWh
\$603

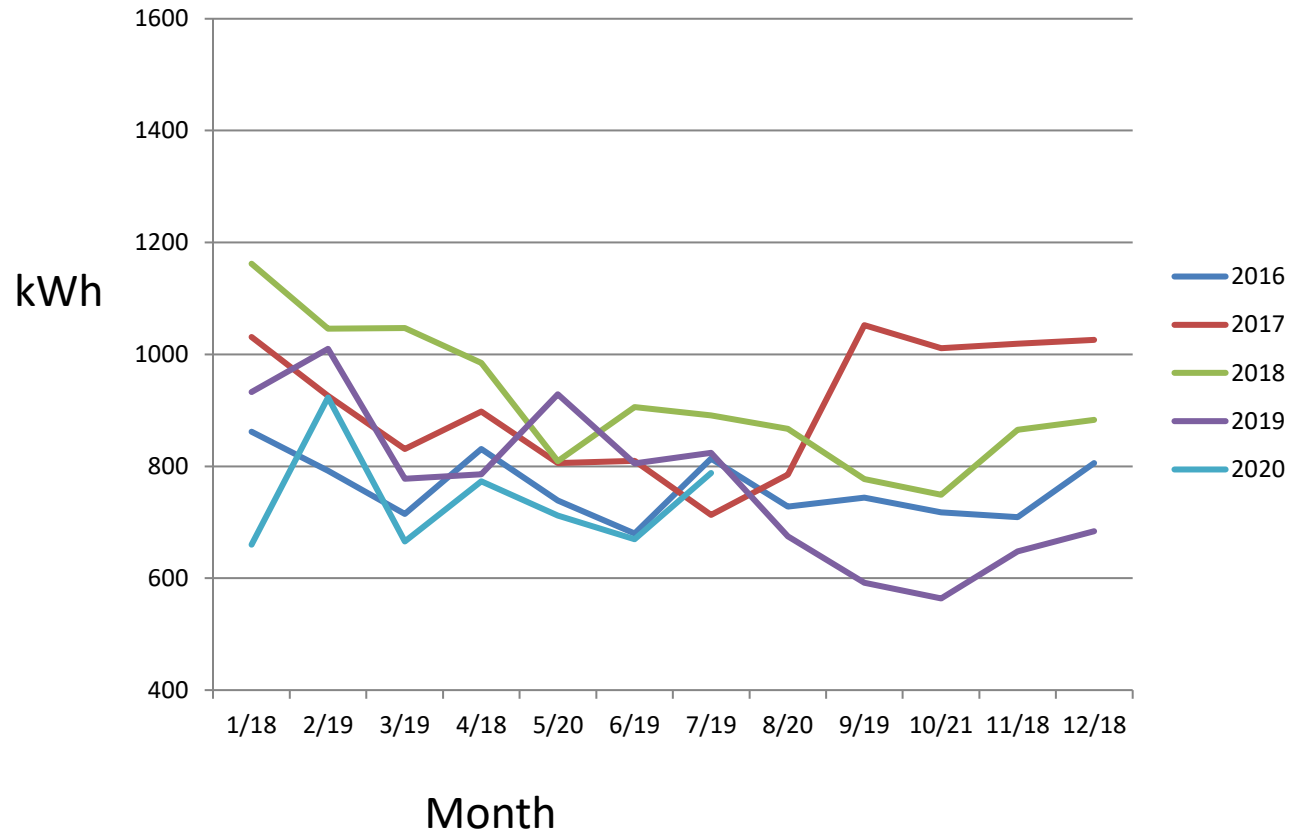


Fire Dept Electricity year by year

Higher usage
from fall
2017 thru
spring 2018

Jan 2020 bill
has
surcharge for
peak >5kW

2019
9228 kWh
\$1856



Hwy Dept electricity usage year by year

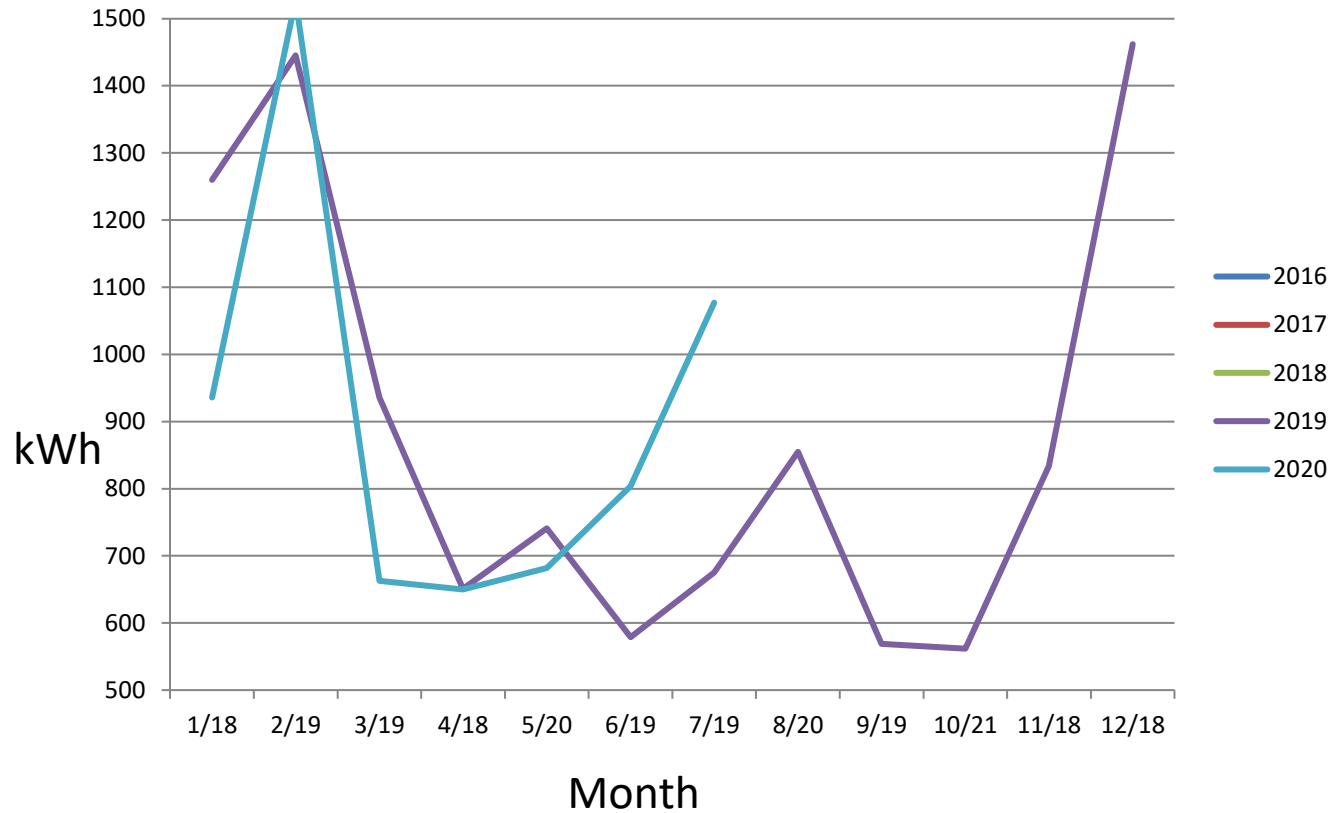
Only looking at new bldg data

Has surcharges for peak >5kW nearly every month in 2020

2019

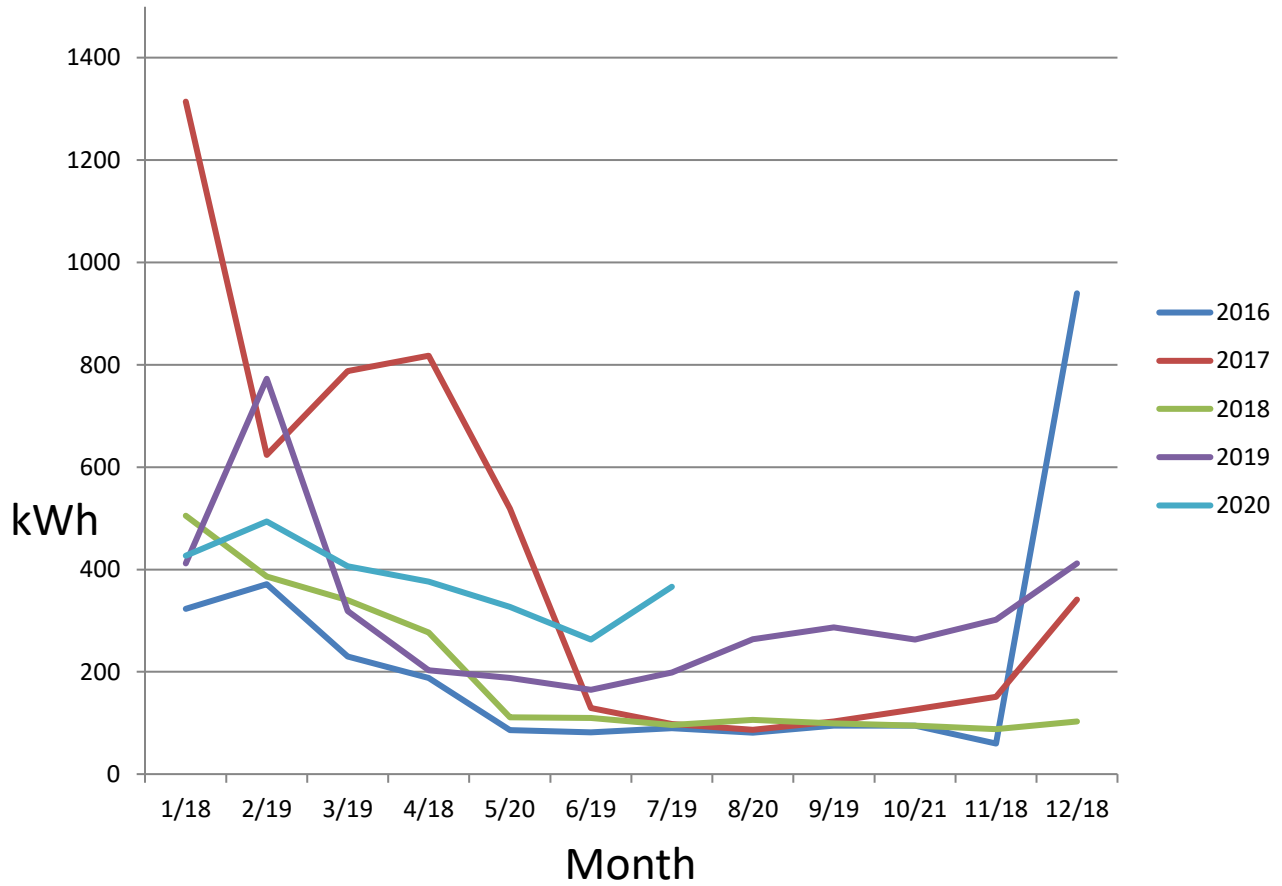
10569 kWh

\$2432



Communication Tower

Nov 2016 –
June 2017 ?



2019
3787 kWh
\$925

Raw data 2020

											LED Lights start							
Electricity 2020			from	12/18/19	1/17/20	2/19/20	3/18/20	4/17/20	5/19/20	6/18/20	7/21/20							
			to	1/17/20	2/19/20	3/18/20	4/17/20	5/19/20	6/18/20	7/21/20								
Building	Address	Billing Number		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total		
Town Hall	7 Meetinghouse	5691 210 1078	kWh	247	302	200	85	31	23	35						923		
			cost	\$63.66	\$73.80	\$53.93	\$32.24	\$22.07	\$20.54	\$22.81						\$289.05		
			kw >5kw															
Mann house	16 Darling Hill	5663 388 0067	kWh	817	761	669	546	558	508	593						4452		
			cost	\$151.55	\$143.00	\$130.49	\$115.95	\$117.37	\$111.44	\$121.51						\$891.31		
			kw >5kw															
Police Dept	38 Darling Hill	5688 188 0033	kWh	775	597	508	480	506	711	1072						4649		
			cost	\$146.40	\$123.22	\$111.44	\$106.73	\$111.21	\$135.47	\$186.20						\$920.67		
			kw >5kw							0.5								
Fire Dept	101 Depot (front)	5686 465 1088	kWh	660	923	666	773	712	670	788						5192		
			cost	\$142.14	\$162.50	\$130.15	\$142.80	\$135.59	\$130.62	\$144.65						\$988.45		
			kw >5kw	0.6														
Hwy Dept	83 Depot (rear)	5629 210 1029	kWh	936	1528	663	650	682	804	1077						6340		
Fire Dept Sodium	101 Depot	5629 210 1029	kWh	59	52	47	42	35	34	35						304		
Hwy Dept Sodium	83 Depot	5629 210 1029	kWh	59	52	47	42	35	34	35						304		
			cost	\$233.65	\$310.23	\$208.43	\$183.36	\$201.61	\$201.40	\$259.57						\$1,598.25		
			kw >5kw	0.5	1.1	1.4		1.0	0.1	1.7								
Comm Tower	960 Townsend	5623 235 1049	kWh	427	494	406	376	327	263	366						2659		
			cost	\$98.58	\$110.41	\$92.77	\$87.10	\$77.88	\$65.80	\$85.24						\$617.78		
			kw >5kw															
Ball Field	39 Sand Pit	5608 134 1018	kWh					0	0	0						0		
			cost					\$30.21	\$16.21	\$16.21						\$62.63		
			kw >5kw															
Sunny Valley Sch	834 Valley	5669 775 7078	kWh	0	0	0	0	1	0							1		
			cost	\$13.81	\$13.81	\$13.81	\$13.81	\$13.98	\$13.81							\$83.03		
			kw >5kw															
Unmetered lights				Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
5 Mercury, 1 Sodium		8000 976 0150	kWh	412	364	333	296	250	242	250								
			cost	\$156.49	\$149.46	\$146.04	\$141.95	\$136.87	\$135.98	\$136.87								
			kw >5kw															
Energy Supplier	Constellation New Energy (0.0763/kWh)			Total Town kWh				24,824										
				Total Town cost				\$5,451										

Conclusions

1. Department heads should see this data, have best knowledge of building
2. MEC is available to help research sources of high peak demands and seasonal variations, and research solutions if requested
3. Note: Two metered street lights are included with Hwy bill
4. LED lighting changes effective starting in Sept 2020, will monitor results