

Village of Hines Creek Council Request for Decision (RFD)

Meeting:	Regular Council Meeting
Meeting Date:	August 28, 2018
Originated By:	Karen Young – Executive Assistant
Title:	Unfinished Business – ATCO Streetlight Conversion Non Invested to Invested
File:	0406

BACKGROUND/PROPOSAL:

Tabled from the August 14, 2018 Regular Meeting of Council. Does Council wish to convert the streetlights in Hines Creek from HPS to LED?

DISCUSSION/OPTIONS/BENEFITS/DISADVANTAGES

Some terms that may be helpful:

Multiplier: ATCO uses this as another word basically for percentage. There is a percentage that is added to the bill (7.1%) right now that spreads the cost for conversion over a period of years. ATCO has been told it is a period of 5 years for this conversion.

The more lights that are converted to LED across ATCO's service area the faster the conversion to LED lights will be paid off.

Retail Price: Will only change if the Village changes providers.

Riders: Riders are estimates that ATCO puts on the bills to cover costs. The riders are reviewed annually and increased/decreased accordingly. Costs such as Ft McMurray wildfire damaged lines are an example of why a rider may increase.

At this time there is no granting available.

COSTS/SOURCE OF FUNDING (if applicable)

ATTACHMENTS:

1. Cost Comparison: 100 W HPS to 41 W LED
2. ATCO Streetlight Conversion: Non-Invested to Invested
3. ATCO LED Street Lights for Hines Creek LED Conversion Multiplier

RECOMMENDED ACTION:

Initials show support- Reviewed by:

Manager:

C.A.J.

4a

Effective April 4, 2018

Load Factor	50%
Retail Price (¢/kWh)	5.553
Rider B, G, S(¢/kWh)	-0.095
Days	365

Investment Option (61B)

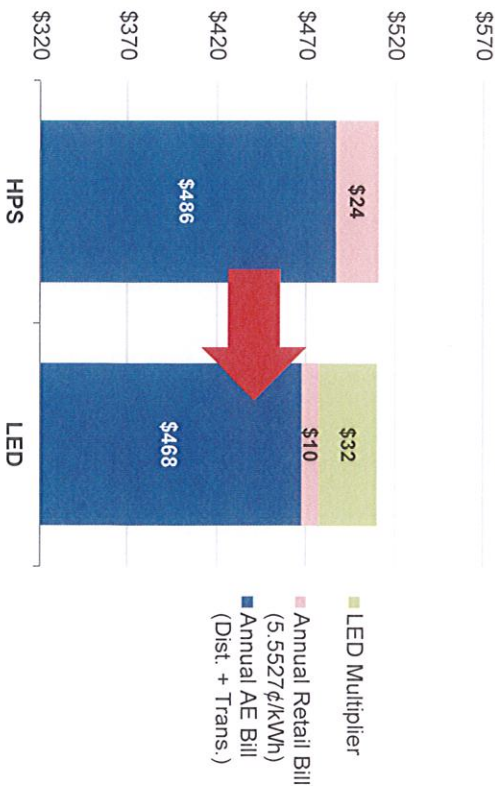
	Customer Charge	Demand Charge
Transmission	\$0.00037	\$0.00037
Distribution	\$1.1971	\$0.00052
Service	\$0.0478	
Total Price	\$1.2449	\$0.00089

	HPS	LED	Difference
Demand (W)	100	41	-59
Energy (kWh)	438	180	-258

Annual customer bundled bill for a 100W HPS fixture converted to LED

	HPS	LED	Difference
Annual AE Bill (Dist. + Trans.)	\$486	\$468	-\$19
Annual Retail Bill (5.5527¢/kWh)	\$24	\$10	-\$14
LED Multiplier		\$32	\$32
	\$511	\$510	-\$1

Annual customer bundled bill for a 100W HPS fixture converted to LED



Column1	HPS \$	LED \$	Difference \$	# of light	Total \$
100W HPS to 41W LED	\$511.00	\$510.00	-\$1.00	51	-\$51.00
150W HPS to 88W LED	\$539.00	\$536.00	-\$3.00	6	-\$18.00
250W HPS to 161W LED	\$598.00	\$579.00	-\$19.00	0	\$0.00
Total Difference					-\$69.00