

July 2016 Proposed Changes for the Private Lighting Service

Springfield Utility Board
May 11, 2016

Background

- There are two public hearings for a proposed change to the Private Lighting Service. May 11th and June 8th.
- Outdoor lighting is moving toward Light Emitting Diode (LED) fixtures for better light quality, less light depreciation over time and higher energy efficiency. These fixtures are still developing and do not come in standardized sizes.
- SUB considered removing private lights from the services that are provided, as it is not an essential service. However, that action is not warranted at this time.
- There is a desire to simplify the offerings and structure the private light services consistent with our development policies.

Compare Old to New

OLD L-3

- Customers on the L-3 schedule will continue to receive light maintenance.
- There will be no new services under this schedule.
- Customer could receive service without up-front charges.
- Light rates were based on type of light and wattage.

NEW L-4

- Customer will pay for installation, and the monthly charges will cover energy and maintenance.
- Light rates are based on performance.
- Flood lights will only be offered for commercial & industrial customers.
- L-3 customers can move to the L-4 schedule if they pay for the installation of a new light.

L-4 Performance Standards

- Lights selected for installation will fall within particular categories for illumination.
 - Approximate intensity of effective lumens, which are based on the eye's response to light and color rendition.
 - Pattern (shape) of light output
 - Circular – typically used for yard or security light
 - Oval – typically used for roadways and alleys
 - Square – floodlights, typically used for commercial parking lots
- The performance standard allows SUB to move to different fixtures and technology as it becomes available.

Sample Conversion from Old to New

Type	Watts	Pattern	Initial Effective Lumens	L-3 Rate	L-4 Rate	L-4 Install Cost
HPS	100	Round	5890	\$7.76	\$6.10	~\$250
HPS	200		13,600	\$9.75		
MV	175		12,000	\$8.54		
LED	40-55		~5700-9300			
HPS	200	Oval	13,600	\$9.75	\$7.00	~\$375
HPS	400		31,900	\$15.08		
MH	175		16,400	\$8.54		
LED	65-80		~15,000-22,000			
HPS	400	Square	31,900	\$15.08	\$11.00	~\$800
MH	250		37,200	\$11.54		
MH	400		65,500	\$15.08		
LED	130-150		~24,000-35,000			

Conclusion

- No action requested after this public hearing. There will be another public hearing June 8th, 2016.
- New processes and rate schedule will be available to customers on or after July 1, 2016.
- Staff is available to answer questions after this presentation, as well as during consideration of public comments.