

RATE MU-1 (NEW)
MUNICIPAL LIGHTING AND OTHER DEVICES

APPLICABILITY:

For Street and Traffic Lighting of public streets, parkways, improved alleys, boulevards, drives, bridges, parking areas, or other public places by Cities or Towns, associations and other than incorporated municipalities; and lighting of public parks, drives, bridges, parking areas or other public places by only Cities or Towns where there is a prospect that the capital expenditure is warranted. The capital expenditure will be warranted if the amount of revenue received in sixty (60) months exceeds the estimated cost of installation for the lights as calculated by the Company. If the 60-month revenue does not exceed the cost of installation, the Customer must pay two and one-half (2½) times the difference of the cost of installation and the 60-month revenue prior to installation of the lighting. The terms, prices and provisions of this rate schedule shall be applicable to a consolidated city of the first class only to the extent not inconsistent with the specifications, terms, prices and provisions in contracts which may be entered into by such city pursuant to I.C. § 36-9-9-1, et. seq.

This rate is also available to municipalities for other municipal devices used for public purposes.

IPL will support these high intensity discharge (HID) lighting offerings for as long as the technology is available.

The National Energy Policy Act of 2005 requires that Mercury Vapor (MV) lamp ballasts shall not be manufactured or imported after January 1, 2008. To the extent that the Company has the necessary materials, the Company will continue to maintain existing MV lamp installations in accordance with this tariff.

The Energy Independence and Security Act of 2007 mandated pulse start ballasts; therefore standard ballast Metal Halide (MH) lamps are no longer offered for new construction. To the extent that the Company has the necessary materials, the Company will continue to maintain existing MH lamp installations in accordance with this tariff.

CHARACTER OF SERVICE:

- a) Flat Rate Street Lighting Service:
 - (1) Company to furnish, erect and maintain the necessary lamps, fixtures, poles, wiring, etc., and to operate them on a lighting schedule approximately 4000 hours per year.
 - (2) Company to operate Customer-owned equipment on a lighting schedule approximately 4000 hours per year.
- b) Additional Facilities:

If the Customer and Company agree to installations requiring additional facilities that are not addressed in other sections of this tariff, these facilities will be subject to an additional facilities charge of 1.65% of the installed cost per month.

BILLING:

Bills will be rendered monthly for Standard Contract Riders shown hereafter in the Standard Contract Riders Applicable section, applying monthly KWH as shown in Lighting KWH table, plus one-twelfth (1/12) of the annual charges for flat rate service set out in Rate section (a) which follow.

RATE MU-1 (NEW) (Continued)

RATE:

Section (a) (1)

Prices in Section (a) (1) are for Company-owned equipment and include all maintenance costs associated with the equipment. Also included when an outage is due to failure of lamp, said lamp will be replaced within two (2) working days after such fact has been reported to or discovered by the Company. When failure or outage is due to reasons other than lamp failure, said repair will be completed within seven (7) working days after such fact has been reported to or discovered by the Company. Underground cable replacements will be completed within thirty (30) days of discovery by the Company. These time periods are barring natural disasters, acts of God, or the inability of the Company to gain access.

Section (a) (1) (a)

Lamps in enclosed fixtures, suspended from mast arms on wood poles and supplied from overhead circuits.

<u>Billing Code(s)</u>	<u>Description</u>	<u>Flat Rate Price Per Year Per Each Unit</u>
212	400-watt High Pressure Sodium Lamp	\$399.00
215	250-watt High Pressure Sodium Lamp	348.12
218	150-watt High Pressure Sodium Lamp	314.04
221	100-watt High Pressure Sodium Lamp	289.68
213	400-watt High Pressure Sodium Lamp - Traffic Column	360.48
216	250-watt High Pressure Sodium Lamp - Traffic Column	309.48
219	150-watt High Pressure Sodium Lamp - Traffic Column	275.52
222	100-watt High Pressure Sodium Lamp - Traffic Column	251.04

Section (a) (1) (b)

Lamps in enclosed fixtures, mounted on metal or fiberglass columns and supplied from underground circuits.

<u>Billing Code(s)</u>	<u>Description</u>	<u>Flat Rate Price Per Year Per Each Unit</u>
214	400-watt High Pressure Sodium Lamp	\$517.44
241	400-watt High Pressure Sodium - Fiberglass	442.32
265	400-watt High Pressure Sodium - Shoebox	439.20
266	2-400-watt High Pressure Sodium - Shoebox	619.20
217	250-watt High Pressure Sodium Lamp	466.56
240	250-watt High Pressure Sodium - Fiberglass	391.44
246	250-watt High Pressure Sodium - Shoebox	387.60
248	2-250-watt High Pressure Sodium - Shoebox	516.12
220	150-watt High Pressure Sodium Lamp	432.48
239	150-watt High Pressure Sodium - Fiberglass	357.36
223	100-watt High Pressure Sodium Lamp	408.00
238	100-watt High Pressure Sodium - Fiberglass	328.92
233	400-watt High Pressure Sodium Metal Bronze Column	541.32
234	400-watt High Pressure Sodium Traffic Pole	302.52
235	250-watt High Pressure Sodium Metal Bronze Column	499.56
236	250-watt High Pressure Sodium Traffic Pole	251.52

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Section (a) (1) (c)

Lamps in enclosed post top type fixtures, mounted on metal or fiberglass ornamental columns and supplied from underground circuits.

<u>Billing Code(s)</u>	<u>Description</u>	<u>Flat Rate Price Per Year Per Each Unit</u>
227	150-watt High Pressure Sodium Washington Post Std.	\$390.36
226	150-watt High Pressure Sodium 18" Ball Globe Post Std.	349.56
224	100-watt High Pressure Sodium Post Std.	277.80
225	100-watt High Pressure Sodium Washington Post Std.	372.00
232	1-150-watt High Pressure Sodium & 4-100-watt High Pressure Sodium Cluster	864.12

"Std." means Ornamental Standard.

Section (a) (1) (d)

Prices below apply to lighting for the City of Indianapolis in the downtown area.

<u>Billing Code(s)</u>	<u>Description</u>	<u>Flat Rate Price Per Year Per Each Unit</u>
385	150-watt High Pressure Sodium Pedestrian Lamp	\$407.88

Section (a) (1) (e)

<u>Billing Code(s)</u>	<u>Description</u>	<u>Flat Rate Price Per Year Per Each Unit</u>
	Lamps in enclosed fixtures mounted to underpasses or tunnels.	
245	150-watt High Pressure Sodium Lamp	\$257.16
	Lamps operated approximately 8760 hours per year.	
250	400-watt High Pressure Sodium Lamp	455.64
251	150-watt High Pressure Sodium Lamp	289.20

Section (a) (1) (f)

LED luminaires on existing facilities or paired with additional facilities:

<u>Billing Code(s)</u>	<u>Description</u>	<u>Flat Rate Price Per Year Per Each Unit</u>
200	LED Cobra Head - 5,000-6,000 Lumens	\$214.80
201	LED Cobra Head - 6,500-7,500 Lumens	220.08
202	LED Cobra Head - 12,500-13,500 Lumens	265.80
203	LED Cobra Head - 20,000-21,500 Lumens	305.64
204	LED Area Light - 11,500-16,500 Lumens	286.08
205	LED Area Light - 21,000-26,000 Lumens	316.20
206	LED Traditional Post Top - 6,000-7,500 Lumens	263.16
207	LED Twin Washington Post Top - 2 at 6,000-7,500 Lumens	636.36
208	LED Washington Post Top - 6,000-7,500 Lumens	352.32

RATE MU-1 (NEW) (Continued)

Section (a) (1) (f) (Continued)

If needed, additional facilities to be paired with a luminaire:

<u>Billing Code(s)</u>	<u>Description</u>	<u>Flat Rate Price Per Year Per Each Unit</u>
396	Wood Pole Served Overhead	\$88.32
397	Wood Pole Served Underground	111.84
278	Fiberglass Column Served Underground	122.76
228	12' Fiberglass Traditional Column Served Underground	81.96
237	12' Fiberglass Fluted Column Without Base Served Underground	166.08
243	14' Fiberglass Fluted Column Served Underground	168.72
244	14' Fiberglass Smooth Round Column Served Underground	145.08
254	Metal Column With Base Served Underground	205.32
255	Metal Column Without Base Served Underground	114.36
242	14' Metal Fluted Column Without Base Served Underground	192.12
269	Metal Bronze Column With Base Served Underground	223.92
270	Metal Bronze Column Without Base Served Underground	133.08

STANDARD CONTRACT RIDERS APPLICABLE:

No. 1	Customer Load Characteristics	see Page 150
No. 6	Fuel Cost Adjustment	see Page 157
No. 20	Environmental Compliance Cost Recovery Adjustment	see Page 179.2
No. 22	Demand-Side Management Adjustment	see Page 179.5
No. 24	Capacity Adjustment	see Page 179.7
No. 25	Off-System Sales Margin Adjustment	see Page 179.8
No. 26	Regional Transmission Organization Adjustment	see Page 179.9

PAYMENT:

The above rates and charges are net. If the net bill is not paid within seventeen (17) days after its date of issue, a charge will be added in the amount of ten percent (10%) of the first Three Dollars (\$3.00) plus three percent (3%) of the excess of Three Dollars (\$3.00).

TERM:

This service is available for a standard term of five (5) years, unless otherwise approved by the Company, and, if not terminated by at least a 60-day notice prior to the expiration of the initial five-year term, shall be continued on a monthly basis, terminable on a 15-day written notice prior to the end of any such monthly period. If the Customer fails to pay the bill for service in any month of the initial term when due, the Company may, at its option, declare the service charges for the remaining months of such term immediately due and payable and may remove its facilities if the bill for such remaining months of service is not paid within thirty (30) days after such bill is rendered. After the initial term, if a Customer's lighting account goes 30 days into arrears, the lighting facilities will be subject to disconnect. If the bill is still not paid 60 days from the initial due date, the Company may, at its discretion, remove its facilities. Customer remains obligated to pay all amounts due.

RATE MU-1 (NEW) (Continued)

CONDITIONS OF SERVICE:

The final decision concerning the location and design of outdoor lighting equipment, including the selection by Customer of the IPL-owned equipment for installation on Customer's premises, is the sole responsibility of Customer. Customer is responsible for all design and layout work to achieve any specific design criteria, footcandle levels and/or uniformity standards, including but not limited to, location of pole(s) and any associated equipment, number of lights installed, and type and configuration of lights. Notwithstanding the foregoing, IPL retains the right to require modification to the Customer's decision concerning location and design of the outdoor lighting equipment based upon safety issues, IPL system operations or other reason(s) identified by IPL. Customer is solely responsible for compliance with all applicable regulations, ordinances, standards and/or industry practices associated with such design and layout and IPL has installed such facilities in accordance with the specifications provided by Customer. If required by a governing authority or if Customer elects, Customer shall retain a professional Lighting Designer or Engineer to ensure Customer's lighting system design and layout meets applicable Ordinances, Standards, Regulations and/or Industry Practices concerning design criteria, footcandle levels and/or uniformity standards and Customer shall bear all costs associated with the same, including costs to modify the lighting system design and layout. Customer shall release, indemnify and hold harmless IPL from and against all claims, liability, damages and/or expenses or the same that may be so alleged, including but not limited to court costs and attorneys fees, based on any injury to any person, including the loss of life, or damage to any property, including the loss of use thereof, arising out of, resulting from, or connected with an act or omission associated with or resulting from the lighting design and/or layout of the outdoor lighting facilities.

A Customer shall render reasonable care in protecting Company lighting equipment installed within Customer's jurisdiction. Reasonable care may include, but not be limited to, the installation of protective posts and guard rails, or the locating of underground cable before digging. Should a lighting facility or its supporting infrastructure be damaged due to a lack of reasonable care by the Customer or those acting on the Customer's behalf, this may result in cancellation of service for that location or the Customer being billed the full cost (material, labor, engineering, and overhead) of all repairs, as well as, being charged the monthly lighting fee while the facilities were out of service (the company will make every reasonable effort to perform such repairs in a timely fashion). Furthermore, the full repair costs associated with vandalism damage to Company lighting equipment shall be passed on to the Customer and may result in the removal of those facilities if they cannot be protected from ongoing harm.

ROADWAY IMPROVEMENT / CONSTRUCTION PROJECTS:

A streetlight shall be eligible for relocation if the majority of the supporting infrastructure (wiring, ducts, risers, and so forth) can remain in place and the street light pole/column is moved no more than 15 feet. Furthermore, light relocation work must be able to be completed prior to Customer construction. The Customer shall notify the Company a minimum of six weeks before the start of a scheduled construction project; for emergency work, the Company shall be notified as soon as practical. The Customer will be billed by the Company for the full cost incurred: includes labor, materials, engineering and overhead. Also, the Customer will be billed full costs for lights that are required to be removed from the field for a Customer project, during the initial five (5) year term; the Company may, at its option, declare the service charges for the remaining months of a term immediately due. Lights that have been in the field for the full initial five (5) year term will be removed at no charge. Should the Customer want Company owned lights to be placed back into service, after ordering their removal, the installation shall be treated as new construction.

Indianapolis Power & Light Company
One Monument Circle
Indianapolis, Indiana

I.U.R.C. No. E-18

Original No. 103

RATE MU-1 (NEW) (Continued)

RULES:

Service hereunder shall be subject to the Company's Rules and Regulations for Electric Service, and to the Rules and Standards of Service for the Electrical Public Utilities of Indiana prescribed by the Indiana Utility Regulatory Commission, as the same are now in effect, and as they may be changed from time to time hereafter.

Effective December 5, 2018

RATE MU-1 (NEW) (Continued)

MONTHLY LIGHTING KWH TABLE

Lamp	Monthly KWh												Annual KWh
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
5,000-6,000 Lumen LED	20	16	16	14	12	12	12	13	15	17	19	19	185
6,500-7,500 Lumen LED	25	21	20	17	15	14	15	16	18	21	23	24	229
12,500-13,500 Lumen LED	45	38	39	33	29	28	29	31	35	40	44	46	437
100-watt High Pressure Sodium	51	42	42	36	33	30	32	36	39	45	48	52	485
2 at 5,500-6,500 Lumen LED	56	47	47	40	36	33	35	39	43	50	53	57	536
11,500-16,500 LED Area Light	55	47	47	41	36	34	36	38	43	50	54	55	536
150-watt High Pressure Sodium	76	64	64	54	50	45	48	54	59	68	73	78	733
20,000-21,500 Lumen LED	71	60	60	51	46	43	46	49	55	63	69	72	686
21,000-26,000 LED Area Light	90	76	76	66	58	55	58	62	69	80	87	90	867
250-watt Metal Halide	121	101	101	86	79	71	76	85	93	108	115	124	1159
250-watt High Pressure Sodium	125	104	104	88	81	73	78	88	96	112	118	128	1194
150-watt High Pressure Sodium - 8760 hrs	170	142	141	120	110	100	107	119	131	152	161	174	1629
400-watt High Pressure Sodium	193	161	160	136	125	113	121	136	149	173	183	197	1848
2- 250-watt Metal Halide Cluster	242	202	201	171	157	142	152	170	186	216	229	248	2317
2- 250-watt High Pressure Sodium Cluster	249	208	207	176	162	147	157	175	192	223	236	255	2388
150-watt High Pressure Sodium and 4- 100-watt High Pressure Sodium Cluster	279	233	232	197	181	164	176	196	215	250	264	285	2672
2- 400-watt High Pressure Sodium Cluster	386	323	321	273	250	227	243	271	297	345	366	395	3697
400-watt High Pressure Sodium - 8760 hrs	428	359	357	303	278	252	270	301	330	384	407	439	4108
1000-watt High Pressure Sodium	454	380	378	322	295	267	286	319	350	407	431	465	4355