

RATE MU-1 (VINTAGE)
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.

Rate MU-1 Vintage is no longer available for new installations after March 31, 2016. Rates on the Rate MU-1 Vintage tariff remain in effect for existing installations until the Company can no longer repair or support maintenance requirements for that particular light. 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) Flat Rate Service for Traffic Signals, Safety Lighting Fixtures and/or Other Municipal Devices:

Optional flat rate unmetered service for the supply of energy only, 24 hours per day or less at the option of the Customer, for traffic signals, safety lighting fixtures and/or Other Municipal Devices. All equipment including fixtures, supporting structures and electrical apparatus that is beyond the point of supply to be owned, operated and maintained by the Customer. This service will be delivered and measured at Company's secondary distribution voltage.
- c) 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.

RATE MU-1 (VINTAGE) (Continued)

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 sections (a) and (b) which follow.

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 poles and supplied from overhead circuits.

<u>Billing Code(s)</u>	<u>Description</u>	<u>Flat Rate Price Per Year Per Each Unit</u>
1	1000-watt Mercury Vapor Lamp	\$297.12
4	400-watt Mercury Vapor Lamp	162.24
7	175-watt Mercury Vapor Lamp	112.56
12 & 13	400-watt High Pressure Sodium Lamp	191.04
15 & 16	250-watt High Pressure Sodium Lamp	155.16
18 & 19	150-watt High Pressure Sodium Lamp	122.16
21 & 22	100-watt High Pressure Sodium Lamp	103.92

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>
3	1000-watt Mercury Vapor Lamp	\$432.84
6	400-watt Mercury Vapor Lamp	225.72
9	175-watt Mercury Vapor Lamp	182.16
37	175-watt Mercury Vapor - Fiberglass	173.52
14	400-watt High Pressure Sodium Lamp	326.76
41	400-watt High Pressure Sodium - Fiberglass	303.72
65	400-watt High Pressure Sodium - Shoebox	271.92
66	2-400-watt High Pressure Sodium - Shoebox	371.64
17	250-watt High Pressure Sodium Lamp	219.84
40	250-watt High Pressure Sodium - Fiberglass	211.20
46	250-watt High Pressure Sodium - Shoebox	221.28
20	150-watt High Pressure Sodium Lamp	189.00

RATE MU-1 (VINTAGE) (Continued)

Section (a) (1) (b) (Continued)

<u>Billing Code(s)</u>	<u>Description</u>	<u>Flat Rate Price Per Year Per Each Unit</u>
39	150-watt High Pressure Sodium - Fiberglass	\$180.24
23	100-watt High Pressure Sodium Lamp	173.52
38	100-watt high Pressure Sodium - Fiberglass	164.88
33	400-watt High Pressure Sodium Metal Bronze Column	355.80
34	400-watt High Pressure Sodium Traffic Pole	195.84
35	250-watt High Pressure Sodium Metal Bronze Column	248.88
42	400-watt Metal Halide - Shoebox	277.92
43	2-400-watt Metal Halide - Shoebox	383.28
101	400-watt Metal Halide Metal Column	326.40

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>
10	175-watt Mercury Vapor Post Std.	\$177.36
11	175-watt Mercury Vapor Washington Post Std.	275.64
27	150-watt High Pressure Sodium Washington Post Std.	308.28
26	150-watt High Pressure Sodium 18" Ball Globe Post Std.	208.68
24	100-watt High Pressure Sodium Post Std.	172.68
25	100-watt High Pressure Sodium Washington Post Std.	268.20
187	LED Twin Washington Post Top - 2 at 5,500-6,500 Lumens	729.60
32	1-150-watt High Pressure Sodium & 4-100-watt High Pressure Sodium Cluster	697.80

"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>
184	Excess Material for Circle Centre Mall	\$5,837.64
185	150-watt High Pressure Sodium Pedestrian Lamp	733.56

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.	
45	150-watt High Pressure Sodium Lamp	\$159.84

RATE MU-1 (VINTAGE) (Continued)

Section (a) (1) (e) (Continued)

Lamps operated approximately 8760 hours per year.

<u>Billing Code(s)</u>	<u>Description</u>	<u>Flat Rate Price Per Year Per Each Unit</u>
50	400-watt High Pressure Sodium Lamp	\$346.92
51	150-watt High Pressure Sodium Lamp	207.48

Section (a) (2)

Lamps operated approximately 4000 hours per year

Section (a) (2) (a)

Prices below apply only to Customer-owned equipment which meets the Company's standards and upon inspection is acceptable to the Company and include only normal operating and minor maintenance costs which are: the replacement of the lamp, ballast, glassware, photocell, and fuses as required; and the repair, but not replacement, of the cable. Should parts become not readily available, the Customer shall be required to supply IPL with the minor maintenance material. In the event Customer does not supply necessary material, the light would go out of service. The Customer is to furnish all other maintenance and repairs.

<u>Billing Code(s)</u>	<u>Description</u>	<u>Flat Rate Price Per Year Per Each Unit</u>
55	250-watt Mercury Vapor Lamp	\$141.72
56	175-watt Mercury Vapor Lamp	89.04
59	400-watt High Pressure Sodium Lamp	135.96
60	250-watt High Pressure Sodium Lamp	108.36
61	150-watt High Pressure Sodium Lamp	82.68
63	1000-watt High Pressure Sodium Lamp	281.04
64	175-watt Mercury Vapor 15' Ornamental Standard	136.80

Section (a) (2) (b)

Prices below apply only to Interstate Highway System lighting, which is owned by the State of Indiana, which equipment meets the Company's standards and upon inspection is acceptable to the Company. Available maintenance by the Company is: the replacement of the lamp, ballast, glassware, photocell, and fuses as required; and the repair, but not replacement, of the cable. The Customer is to furnish all other maintenance and repairs. No new installations will be served and no additions to present installations will be permitted.

<u>Billing Code(s)</u>	<u>Description</u>	<u>Flat Rate Price Per Year Per Each Unit</u>	
		<u>Without Maintenance</u>	<u>With Maintenance</u>
55	250-watt Mercury Vapor Lamp	N/A	\$141.72
56	175-watt Mercury Vapor Lamp	N/A	89.04

RATE MU-1 (VINTAGE) (Continued)

Section (a) (2) (b) (Continued)

<u>Billing Code(s)</u>	<u>Description</u>	<u>Flat Rate Price Per Year Per Each Unit</u>	
		<u>Without Maintenance</u>	<u>With Maintenance</u>
109, 59 & 120	400-watt High Pressure Sodium Lamp	\$116.88	\$135.96
60	250-watt High Pressure Sodium Lamp	N/A	108.36
111, 61	150-watt High Pressure Sodium Lamp	63.72	82.68
112, 63	1000-watt High Pressure Sodium Lamp	262.08	281.04
64	175-watt Mercury Vapor 15' Ornamental Standard	N/A	136.80

Section (b)

Price for Flat Rate Traffic Signal, Safety Lighting Service and/or Other Municipal Devices

Prices for furnishing unmetered electrical energy only, per each traffic signal, safety lighting fixture or other municipal device. All equipment, including the fixtures, their supporting structures and electrical apparatus that is beyond the point of supply to be owned, operated and maintained by the Customer.

Prices are per year per watt burning, based upon the average of the watts burning throughout the operating cycle of the fixture under consideration, but with the further condition, that for billing purposes no fixture or device will be considered as having a rating less than sixty (60) watts. New traffic signals, safety lighting fixtures, or other municipal lighting devices under Section (b) will no longer be installed under the Rate MU-1 Vintage tariff. At the discretion of the Company, a customer may make an addition to an existing circuit if the customer communicates the addition to the Company for billing purposes.

Minimum charge is per year per each fixture or device

Price per watt	\$ 0.64
Minimum per fixture or device	38.40

STANDARD CONTRACT RIDERS APPLICABLE:

No. 1	Customer Load Characteristics	see Page 150
No. 3	Transmission, Distribution and Storage System Improvement Charge	see Page 153
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).

RATE MU-1 (VINTAGE) (Continued)

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.

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.

RATE MU-1 (VINTAGE) (Continued)

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.

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.

RATE MU-1 (VINTAGE) (Continued)

MONTHLY LIGHTING KWH TABLE

Lamp	Monthly KWh												Annual KWh
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
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
150-watt High Pressure Sodium	76	64	64	54	50	45	48	54	59	68	73	78	733
175-watt Mercury Vapor	87	73	72	61	56	51	55	61	67	78	82	89	832
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
250-watt Mercury Vapor	126	106	105	89	82	74	80	89	97	113	120	129	1210
150-watt High Pressure Sodium - 8760 hrs	170	142	141	120	110	100	107	119	131	152	161	174	1629
400-watt Metal Halide	185	155	154	131	120	109	117	130	143	166	176	189	1774
400-watt High Pressure Sodium	193	161	160	136	125	113	121	136	149	173	183	197	1848
400-watt Mercury Vapor	196	164	163	139	127	115	124	138	151	176	186	201	1880
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 Metal Halide Cluster	370	310	308	262	240	218	233	260	285	331	351	379	3547
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 Mercury Vapor	450	377	374	319	292	265	284	316	347	403	427	461	4315
1000-watt High Pressure Sodium	454	380	378	322	295	267	286	319	350	407	431	465	4355

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.

Rate MU-1 NEW is no longer available for new installations of high intensity discharge (HID) lighting after June 30, 2020. Specific rates on the Rate MU-1 NEW tariff marked with a double asterisk (**) remain in effect for existing installations until the Company can no longer repair or support maintenance requirements for that particular light. IPL will support these HID lighting offerings for as long as the technology is available. HID includes Mercury Vapor, Metal Halide and High Pressure Sodium lighting.

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**

RATE MU-1 (NEW) (Continued)

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 Lamps operated approximately 8760 hours per year.	\$257.16**
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. 3	Transmission, Distribution and Storage System Improvement Charge	see Page 153
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

RATE APL (VINTAGE)
AUTOMATIC PROTECTIVE LIGHTING SERVICE

AVAILABILITY:

Available to any Customer for outdoor area lighting, provided that: (1) adequate facilities are available to serve the premises or location; and (2) the capital expenditure for installation of such outdoor lighting facilities is warranted. The determination that such capital expenditure is warranted shall be established if the amount of revenue projected to be received from the Customer in the thirty-six (36) month-period following installation of the outdoor lighting facilities exceeds the estimated cost of installation for the lights, as calculated by the Company. If the projected thirty-six (36) month revenue does not exceed the estimated cost of installation, the Customer must pay two and one half (2½) times the difference of the estimated cost of installation and the projected thirty-six (36) month revenue prior to installation of the outdoor lighting facilities. Notwithstanding the foregoing, IPL reserves the right to refuse service under the provisions of this Rate APL, consistent with applicable laws, rules, and regulations.

Rate APL Vintage is no longer available for new installations after March 31, 2016. Rates on the Rate APL Vintage tariff remain in effect for existing installations until the Company can no longer repair or support maintenance requirements for that particular light. 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.

CONDITIONS OF SERVICE:

Customer shall secure all permits, licenses and authority necessary for the installation and maintenance of facilities upon and over public property.

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,

CONDITIONS OF SERVICE: (Continued)

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.

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 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.

All lighting fixtures and other materials, including wiring must comply with the Company's specifications and will be subject to Company's approval.

A. Company installs, owns, and maintains unit or units.

Company shall own, operate, and maintain the lighting unit or units, including the fixtures, lamps, ballasts, photoelectric controls, mounting brackets and all necessary wiring. Company shall furnish all electric energy required for operation of the unit.

The units shall be lighted and extinguished by a photoelectric control furnished by the Company. The hours of burning shall be from approximately one-half (1/2) hour after sunset until one-half (1/2) hour before sunrise, every night or approximately 4,100 hours per annum.

The Company reserves the right to shield, re-angle, or relocate a light to prevent light projection on adjacent properties at the request of the adjacent property owner. If shielding, re-angling, or relocating the light does not resolve the light trespass complaint, the Company reserves the right to remove the offending light.

Barring circumstances beyond its control, the Company will replace burned out lamps within 48 hours after notification of Company by Customer.

B. Customer installs, owns and maintains unit or units.

The Customer may install, own and maintain the lighting unit or units, including all fixtures, lamps, standards or poles and mounting brackets, ballasts, cable and necessary wiring. The Customer's wiring, serving the lighting units contracted for under this Clause B must be brought by the Customer to an existing Company pole selected by the Company and upon which Company's 120 volt lines are presently attached. In the case of underground service installed by the Customer, the Customer shall install the wiring, conduit riser and weatherhead on a pole approved by the Company and terminating at a point designated by the Company. The units shall be direct connected by the Company to the Company's 120 volt lines and shall be lighted and extinguished by a photoelectric control furnished by the Company. The hours of burning shall be from approximately one-half

CONDITIONS OF SERVICE: (Continued)

(½) hour after sunset until one-half (½) hour before sunrise, every night or approximately 4000 hours per annum.

Burned out lamps will not be replaced by the Company under Clause B.

BILLING:

Bills will be rendered monthly for Standard Contract Riders shown hereafter in the Standard Contract Riders Applicable section, applying the monthly KWH as shown in Lighting KWH table, plus the flat rates set out in the Rate sections which follow.

RATE:

For service under Conditions of Service, Clause A above. The rates are monthly.

a) For bracket arm supported units on existing wood pole:

<u>Billing Code(s)</u>	<u>Description</u>	<u>Flat Rate Price Per Each Unit</u>	
68	175-watt Mercury Vapor Lamp	\$ 8.43	
69	400-watt Mercury Vapor Lamp	15.90	
70	1000-watt Mercury Vapor Lamp	28.07	
71	100-watt High Pressure Sodium Lamp	7.45	
72	150-watt High Pressure Sodium Lamp	15.75	
73	250-watt High Pressure Sodium Lamp	20.91	
74	400-watt High Pressure Sodium Lamp	24.22	
86	400-watt Mercury Vapor Flood	15.92	
87	150-watt High Pressure Sodium Flood	15.80	
88	250-watt High Pressure Sodium Flood	20.92	
89	400-watt High Pressure Sodium Flood	24.23	
90	400-watt Metal Halide Lamp	24.20	
For additional facilities when required:			
96	one wood pole (overhead only)	4.11	
97	one wood or fiberglass pole (underground only)	10.16	

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 Each Unit</u>	
		<u>First Luminaire</u>	<u>Each Additional Luminaire on Same Column</u>
138, 127, 144 & 155	400-watt Mercury Vapor Lamp	\$23.48	\$15.90
128 & 145	175-watt Mercury Vapor Lamp	19.02	8.43
141, 129, 146 & 158	400-watt High Pressure Sodium Lamp	34.09	24.22
140, 130, 147 & 157	250-watt High Pressure Sodium Lamp	22.94	20.91
139, 131, 148 & 156	150-watt High Pressure Sodium Lamp	19.75	15.75

RATE APL (VINTAGE) (Continued)

RATE, Clause A: (Continued)

<u>Billing Code(s)</u>	<u>Description</u>	<u>Flat Rate Price Per Each Unit</u>	
		<u>First Luminaire</u>	<u>Each Additional Luminaire on Same Column</u>
132 & 149	100-watt High Pressure Sodium Lamp	\$18.15	\$7.45
135 & 152	400-watt High Pressure Sodium - Shoebox	28.33	10.26
136 & 153	250-watt High Pressure Sodium - Shoebox	23.09	7.99
142, 137, 154 & 159	400-watt Metal Halide - Shoebox	28.30	10.22

c) For a post top fixture on a fiberglass, metal or ornamental column and containing one:

<u>Billing Code(s)</u>	<u>Description</u>	<u>Flat Rate Price Per Each Unit</u>
160	175-watt Mercury Vapor Washington Post Std.	\$28.82
161	175-watt Mercury Vapor Post Std.	18.52
162	100-watt High Pressure Sodium Washington Post Std.	28.11
163	100-watt High Pressure Sodium Post Std.	18.07
164	150-watt High Pressure Sodium Washington Post Std.	32.28
165	150-watt High Pressure Sodium Post Std.	22.24

"Std." means Ornamental Standard.

d) Charges in addition to Energy Charge as Registered through Customer's Meter For Units Containing One:

<u>Billing Code(s)</u>	<u>Description</u>	<u>Flat Rate Price Per Each Unit</u>
78	175-watt Mercury Vapor Lamp on Company's existing wood pole and connected to Customer's metered secondary	\$ 6.10
79 & 91	400-watt Mercury Vapor Lamp on Company's existing wood pole and connected to Customer's metered secondary	11.83
80	1000-watt Mercury Vapor Lamp on Company's existing wood pole and connected to Customer's metered secondary	18.33
81	100-watt High Pressure Sodium Lamp on Company's existing wood pole and connected to Customer's metered secondary	6.32
82 & 92	150-watt High Pressure Sodium Lamp on Company's existing wood pole and connected to Customer's metered secondary	14.46
83 & 93	250-watt High Pressure Sodium Lamp on Company's existing wood pole and connected to Customer's metered secondary	18.27
84 & 94	400-watt High Pressure Sodium Lamp on Company's existing wood pole and connected to Customer's metered secondary	20.15
95	400-watt Metal Halide Lamp on Company's existing wood pole and connected to Customer's metered secondary	20.15

RATE, Clause A: (Continued)

e) Prices below apply to University of Indianapolis Lighting.

<u>Billing Code(s)</u>	<u>Description</u>	<u>Flat Rate Price Per Each Unit</u>
180	250-watt Metal Halide 18' Direct Embedded	\$52.98
181	250-watt Metal Halide 12' Anchor Based	58.12
182	2-250-watt Metal Halide 18' Direct Embedded	73.26
183	2-250-watt Metal Halide 12' Anchor Based	78.38

Charges in addition to Energy Charge as registered through Customer's meter:

188	250-watt Metal Halide 18' Direct Embedded	\$48.16
189	250-watt Metal Halide 12' Anchor Based	53.29
190	2-250-watt Metal Halide 18' Direct Embedded	64.20
191	2-250-watt Metal Halide 12' Anchor Based	69.34

For service under Conditions of Service, Clause B above. The rates are monthly.

<u>Billing Code(s)</u>	<u>Description</u>	<u>Flat Rate Price Per Each Unit</u>
85	Up to and including 150-watt incandescent lamp or equivalent per month per lamp	\$3.57

TERM:

This service is available for a standard term of three (3) years and, if not terminated by at least thirty (30) days' notice prior to the expiration of the initial 3-year term, shall be continued on a yearly basis, terminable on a thirty (30) days' notice prior to the end of any such one-year term. 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. If, prior to expiration of the initial term, the service contracted for under this Rate is supplanted by municipal lighting service, the Company may remove its facilities and no charge will be made for the remaining months of such initial term.

STANDARD CONTRACT RIDERS APPLICABLE:

No. 1	Customer Load Characteristics	see Page 150
No. 3	Transmission, Distribution and Storage System Improvement Charge	see Page 153
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:

Charges under this Rate are net and will be a part of the Customer's regular service bill and subject to the same charges as any other item on the Customer's bill.

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.

RATE APL (VINTAGE) (Continued)

MONTHLY LIGHTING KWH TABLE

Lamp	Monthly KWh												Annual KWh
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
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
150-watt High Pressure Sodium	76	64	64	54	50	45	48	54	59	68	73	78	733
175-watt Mercury Vapor	87	73	72	61	56	51	55	61	67	78	82	89	832
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
250-watt Mercury Vapor	126	106	105	89	82	74	80	89	97	113	120	129	1210
150-watt High Pressure Sodium - 8760 hrs	170	142	141	120	110	100	107	119	131	152	161	174	1629
400-watt Metal Halide	185	155	154	131	120	109	117	130	143	166	176	189	1774
400-watt High Pressure Sodium	193	161	160	136	125	113	121	136	149	173	183	197	1848
400-watt Mercury Vapor	196	164	163	139	127	115	124	138	151	176	186	201	1880
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 Metal Halide Cluster	370	310	308	262	240	218	233	260	285	331	351	379	3547
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 Mercury Vapor	450	377	374	319	292	265	284	316	347	403	427	461	4315
1000-watt High Pressure Sodium	454	380	378	322	295	267	286	319	350	407	431	465	4355

RATE APL (NEW)
AUTOMATIC PROTECTIVE LIGHTING SERVICE

AVAILABILITY:

Available to any Customer for outdoor area lighting, provided that: (1) adequate facilities are available to serve the premises or location; and (2) the capital expenditure for installation of such outdoor lighting facilities is warranted. The determination that such capital expenditure is warranted shall be established if the amount of revenue projected to be received from the Customer in the thirty-six (36) month-period following installation of the outdoor lighting facilities exceeds the estimated cost of installation for the lights, as calculated by the Company. If the projected thirty-six (36) month revenue does not exceed the estimated cost of installation, the Customer must pay two and one half (2½) times the difference of the estimated cost of installation and the projected thirty-six (36) month revenue prior to installation of the outdoor lighting facilities. Notwithstanding the foregoing, IPL reserves the right to refuse service under the provisions of this Rate APL, consistent with applicable laws, rules, and regulations.

Rate APL NEW is no longer available for new high intensity discharge (HID) installations after June 30, 2020. Specific rates on the Rate APL NEW tariff marked with a double asterisk (**) remain in effect for existing installations until the Company can no longer repair or support maintenance requirements for that particular light. IPL will support these HID lighting offerings for as long as the technology is available. HID includes Mercury Vapor, Metal Halide and High Pressure Sodium lighting.

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.

CONDITIONS OF SERVICE:

Customer shall secure all permits, licenses and authority necessary for the installation and maintenance of facilities upon and over public property.

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,

CONDITIONS OF SERVICE: (Continued)

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.

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 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.

All lighting fixtures and other materials, including wiring must comply with the Company's specifications and will be subject to Company's approval. Company shall own, operate, and maintain the lighting unit or units, including the fixtures, lamps, ballasts, photoelectric controls, mounting brackets and all necessary wiring. Company shall furnish all electric energy required for operation of the unit.

The units shall be lighted and extinguished by a photoelectric control furnished by the Company. The hours of burning shall be from approximately one-half (1/2) hour after sunset until one-half (1/2) hour before sunrise, every night or approximately 4,100 hours per annum. Barring circumstances beyond its control, the Company will replace burned out lamps within 48 hours after notification of Company by Customer.

The Company reserves the right to shield, re-angle, or relocate a light to prevent light projection on adjacent properties at the request of the adjacent property owner. If shielding, re-angling, or relocating the light does not resolve the light trespass complaint, the Company reserves the right to remove the offending light.

BILLING:

Bills will be rendered monthly for Standard Contract Riders shown hereafter in the Standard Contract Riders Applicable section, applying the monthly KWH as shown in Lighting KWH table, plus the flat rates set out in the Rate sections which follow.

RATE:

For service under Conditions of Service above. The rates are monthly.

a) For bracket arm supported units on existing wood pole:

<u>Billing Code(s)</u>	<u>Description</u>	<u>Flat Rate Price Per Each Unit</u>
271	100-watt High Pressure Sodium Lamp	\$15.23**
272	150-watt High Pressure Sodium Lamp	17.27**
273	250-watt High Pressure Sodium Lamp	20.60 **
274	400-watt High Pressure Sodium Lamp	24.91**
287	150-watt High Pressure Sodium Flood	17.77**
288	250-watt High Pressure Sodium Flood	21.00**
289	400-watt High Pressure Sodium Flood	25.23**

RATE APL (NEW) (Continued)

RATE: (Continued)

<u>Billing Code(s)</u>	<u>Description</u>	<u>Flat Rate Price Per Each Unit</u>
	For additional facilities when required:	
296	one wood pole (overhead only)	\$7.03
297	one wood pole (underground only)	8.90

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 Each Unit</u>	
		<u>First Luminaire</u>	<u>Each Additional Luminaire on Same Column</u>
329 & 346	400-watt High Pressure Sodium Lamp	\$35.29	\$25.61**
330 & 347	250-watt High Pressure Sodium Lamp	30.98	21.30**
331 & 348	150-watt High Pressure Sodium Lamp	28.09	18.41**
332 & 349	100-watt High Pressure Sodium Lamp	25.73	16.36**
341 & 358	400-watt High Pressure Sodium Lamp - Flood	34.77	26.42**
340 & 357	250-watt High Pressure Sodium Lamp - Flood	30.54	22.19**
339 & 356	150-watt High Pressure Sodium Lamp - Flood	27.31	18.96**
333 & 350	400-watt High Pressure Sodium Metal Bronze Column	43.16	24.88**
334 & 351	250-watt High Pressure Sodium Metal Bronze Column	39.58	21.30**
335 & 352	400-watt High Pressure Sodium - Shoebox	35.04	25.10**
336 & 353	250-watt High Pressure Sodium - Shoebox	30.67	20.73**

c) For a post top fixture on a fiberglass, metal or ornamental column and containing one:

<u>Billing Code(s)</u>	<u>Description</u>	<u>Flat Rate Price Per Each Unit</u>
362	100-watt High Pressure Sodium Washington Post Std.	\$29.14**
363	100-watt High Pressure Sodium Post Std.	21.66**
364	150-watt High Pressure Sodium Washington Post Std.	30.71**
365	150-watt High Pressure Sodium Post Std.	27.46**

"Std." means Ornamental Standard.

d) Prices below apply to University of Indianapolis Lighting.

<u>Billing Code(s)</u>	<u>Description</u>	<u>Flat Rate Price Per Each Unit</u>
380	250-watt Metal Halide 18' Direct Embedded	\$36.41**
381	250-watt Metal Halide 12' Anchor Based	36.20**
382	2-250-watt Metal Halide 18' Direct Embedded	53.15**
383	2-250-watt Metal Halide 12' Anchor Based	52.94**

RATE APL (NEW) (Continued)

d) (Continued)

Charges in addition to Energy Charge as registered through Customer's meter:

<u>Billing Code(s)</u>	<u>Description</u>	<u>Flat Rate Price Per Each Unit</u>
388	250-watt Metal Halide 18' Direct Embedded	\$ 28.94**
389	250-watt Metal Halide 12' Anchor Based	28.73**
390	2-250-watt Metal Halide 18' Direct Embedded	38.21**
391	2-250-watt Metal Halide 12' Anchor Based	38.00**

e) For LED luminaires and additional facilities if needed.

LED luminaires on existing facilities or paired with additional facilities:

<u>Billing Code(s)</u>	<u>Description</u>	<u>Flat Rate Price Per Each Unit</u>
300	LED Cobra Head - 5,000-6,000 Lumens	\$16.77
301	LED Cobra Head - 6,500-7,500 Lumens	17.21
302	LED Cobra Head - 12,500-13,500 Lumens	21.05
303	LED Cobra Head - 20,000-21,500 Lumens	24.40
304	LED Area Light - 11,500-16,500 Lumens	23.00
305	LED Area Light - 21,000-26,000 Lumens	25.55
306	LED Traditional Post Top - 6,000-7,500 Lumens	21.06
307	LED Twin Washington Post Top - 2 at 6,000-7,500 Lumens	52.19
308	LED Washington Post Top - 6,000-7,500 Lumens	28.49
313	LED Flood – 11,500-16,500 Lumens	22.61
314	LED Flood – 21,000-26,000 Lumens	24.96

RATE APL (NEW) (Continued)

e) (Continued)

<u>Billing Code(s)</u>	<u>Description</u>	<u>Flat Rate Price Per Each Unit</u>
If needed, additional facilities to be paired with a luminaire:		
378	Fiberglass Column Served Underground	\$ 9.76
328	12' Fiberglass Traditional Column Served Underground	6.52
337	12' Fiberglass Fluted Column Without Base Served Underground	13.21
343	14' Fiberglass Fluted Column Served Underground	13.41
344	14' Fiberglass Smooth Round Column Served Underground	11.54
354	Metal Column With Base Served Underground	16.32
355	Metal Column Without Base Served Underground	9.10
342	14' Metal Fluted Column Without Base Served Underground	15.27
369	Metal Bronze Column With Base Served Underground	17.81
370	Metal Bronze Column Without Base Served Underground	10.58

TERM:

This service is available for a standard term of three (3) years and, if not terminated by at least thirty (30) days' notice prior to the expiration of the initial 3-year term, shall be continued on a yearly basis, terminable on a thirty (30) days' notice prior to the end of any such one-year term. 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. If, prior to expiration of the initial term, the service contracted for under this Rate is supplanted by municipal lighting service, the Company may remove its facilities and no charge will be made for the remaining months of such initial term.

STANDARD CONTRACT RIDERS APPLICABLE:

No. 1	Customer Load Characteristics	see Page 150
No. 3	Transmission, Distribution and Storage System Improvement Charge	see Page 153
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:

Charges under this Rate are net and will be a part of the Customer's regular service bill and subject to the same charges as any other item on the Customer's bill.

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.

RATE APL (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
11,500-16,500 Lumen LED Flood	39	33	33	28	26	23	25	28	30	35	37	40	378
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 Lumen LED Flood	72	60	60	51	47	42	45	51	55	64	68	74	690
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

RATE CGS
COGENERATION & SMALL POWER PRODUCTION

AVAILABILITY:

Available to any Customer of Indianapolis Power & Light Company (the "Company") that operates within the Company's service territory a Qualifying Cogeneration Facility or a Qualifying Small Power Production Facility subject to the Company's rules and regulations and, any terms, conditions and restrictions imposed by any valid and applicable law or regulation. This tariff is submitted pursuant to the requirements of the Commission's regulations and shall cease to be effective if such regulations are set aside, withdrawn or for any reason cease to be applicable to the Company. An Existing Qualifying Facility is not subject to, or entitled to the benefits of this Rate CGS except as otherwise expressly provided by law.

DEFINITIONS:

- (a) Qualifying Facility is either a Cogeneration Facility or Small Power Production Facility, but does not include any facility substantial construction of which was not begun on or after November 9, 1978, or any facility not meeting applicable ownership requirements.
- (b) Existing Qualifying Facility means a Qualifying Facility which was in operation before July 1, 1983.
- (c) Cogeneration Facility means a facility that simultaneously generates electricity and useful thermal energy; and meets the energy efficiency standards established for cogeneration facilities by the FERC pursuant to 16 U.S.C. 824a-3.
- (d) Small Power Production Facility means an arrangement of equipment for the production of electricity with capacity no greater than eighty megawatts, all of which equipment is located within a site one mile in radius from the generating equipment or, for hydroelectric facilities, at the same impoundment of water, and which equipment must be powered at least seventy-five percent (75%) by biomass, waste, renewable resources, geothermal resources, or any combination thereof, and not more than twenty-five percent (25%) by oil, natural gas, and coal or any combination thereof.
- (e) Purchase means the purchase of electric energy or capacity or both from a Qualifying Facility by the Company.
- (f) Sale means the sale of electric energy or capacity or both by the Company to a Qualifying Facility.
- (g) Avoided Costs means the incremental costs to the Company of electric energy or capacity or both which, but for the purchase from a Qualifying Facility or Facilities, the Company would generate itself or purchase from another source.
- (h) Interconnection Costs means the reasonable costs of connection, switching, metering, transmission, distribution, safety provisions, and administrative costs incurred by the Company directly related to the installation and maintenance of the physical facilities necessary to permit interconnected operations with a Qualifying Facility, to the extent such costs are in excess of the corresponding costs which the Company would have incurred if it had not engaged in interconnected operations, but instead generated an equivalent amount of electric energy itself or purchased an equivalent amount of electric energy or capacity from other sources. Interconnection Costs do not include any costs included in the calculation of Avoided Costs.
- (i) Supplementary Power means electric energy or capacity supplied by the Company, regularly used by a Qualifying Facility in addition to that which the facility generates itself.
- (j) Back-up Power means electric energy or capacity supplied by the Company to replace energy ordinarily generated by a facility's own generation equipment during an unscheduled outage of the facility.
- (k) Interruptible Power means electric energy or capacity supplied by the Company subject to interruption by the Company under specified conditions.
- (l) Maintenance Power means electric energy or capacity supplied by the Company during scheduled outages of the Qualifying Facility.

- (m) Curtaileable Power means electric energy or capacity supplied by the Company subject to reduction by the Company only due to issues of system reliability and not economic interruption. The Customer shall be subject to curtailment by the Company for system reliability just like a firm service Customer. In addition, the Customer must curtail its demand down to no more than its contracted maximum supplementary power demand when notified by the Company when a Maximum Generation Event has been declared for the Company's Local Balancing Authority Area and reached MISO Market Capacity Emergency Maximum Generation Event Step 2d. The Company maintains the right to discontinue the supply of electric energy to the Customer in excess of the maximum supplementary power demand of the Customer, if Maximum Generation Event 2d has been reached, and the Customer fails to curtail its demand to its maximum supplementary power demand as required.
- (n) Prorated means the Customer's demand charge divided by the number of days in the month.
- (o) System Emergency means a condition on the Company's system which is liable to result in imminent significant disruption of service to Customers or in substantial deviation from normal service standards or which is imminently liable to endanger life or property.
- (p) Commission means the Indiana Utility Regulatory Commission.
- (q) FERC means the Federal Energy Regulatory Commission.
- (r) Peak Period means the time between 6 a.m. and 10 p.m. (April through September) or between 7 a.m. and 11 p.m. (October through March) on all days except Saturdays and Sundays, which daily time period will be subject to change from time to time at the Company's option. This change would occur after no less than ten (10) days notice has been given to all Customers who would be affected, and to the Commission.
- (s) Off Peak Period means the time not included in the Peak Period.

PURCHASE AND SALE:

The Company shall purchase energy or capacity which is made available by a Qualifying Facility and shall sell energy or capacity to a Qualifying Facility only in accordance with the terms and conditions set forth herein, but subject to all applicable requirements of Federal law or regulation, court decisions or orders from courts of competent jurisdiction and the continuing jurisdiction of the Commission and FERC. A written contract shall be required between the Company and each Qualifying Facility incorporating specific provisions governing the interconnection and each purchase and sale.

Purchases and sales shall also be subject to the following general terms and conditions:

- (a) Purchases and sales may occur simultaneously.
- (b) The Company need not purchase or sell at the time of a System Emergency.

INTERCONNECTION CONDITIONS AND COSTS:

- (a) The Company, subject to prior compliance by the Qualifying Facility with all applicable Federal and State laws and regulations, shall make parallel interconnection with the Qualifying Facility in such a way as to accomplish purchases and sales as described in Sections (b) through (f).
- (b) The Qualifying Facility shall comply with the National Electrical Safety Code, as supplemented, the applicable requirements of 170 IAC 4-4.3, and the Company's rules and regulations for electric service.
- (c) Interconnection Costs from the Qualifying Facility to the Company's distribution or transmission system, including those costs of (d) and (e) below, shall be borne by the Qualifying Facility. There shall be no obligation on the Company to finance such interconnection.
- (d) The Qualifying Facility shall install, operate, and maintain in good order such relays, locks and seals, breakers, automatic synchronizer, and other control and protective apparatus as shall be designated by

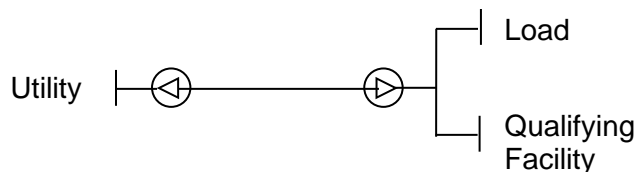
RATE CGS (Continued)

INTERCONNECTION CONDITIONS AND COSTS: (Continued)

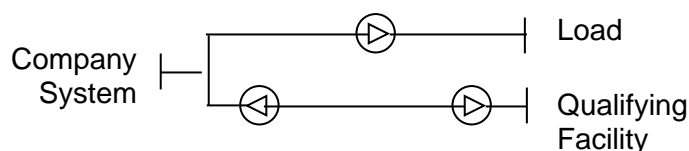
the Company for operation parallel to its system. The Qualifying Facility shall bear full responsibility for the installation and safe operation of this equipment.

- (e) Breakers capable of isolating the Qualifying Facility from the Company shall at all times be immediately accessible to the Company. The Company may isolate the Qualifying Facility at its own discretion if the Company believes continued parallel operation with the Qualifying Facility creates or contributes to a System Emergency. System Emergencies causing discontinuance of parallel operation are subject to verification by the Commission.
- (f) To properly record numbers of kilowatthours for, respectively, purchase and sale, the following configurations shall be the basis for metering:

- (1) Where purchases are intended to be less than 1000 kilowatthours per month, and the Company and Qualifying Facility mutually agree, a single bidirectional meter may be placed between, at one side, the Company system and, on the other side, the Qualifying Facility and any load associated with it.
- (2) Where such measurement is appropriate for measurement of energy, the circuit shall include at minimum two monodirectional meters in a series arrangement between, at one side, the Company system and, on the other side, the Qualifying Facility and any load associated with it:



- (3) Where such is appropriate for measurement of energy, the circuit shall include a monodirectional meter between the on-site load and the Company and, in a series arrangement, two monodirectional meters between the Qualifying Facility and the Company system:



- (4) The meter measuring purchases by the Company shall be of a design to record time periods, and shall be capable of electronically transmitting instantaneous readings.
- (5) Other metering arrangements shall be the subject of negotiations between the Company and the Qualifying Facility.

RATE FOR PURCHASE:

The rate the Company will pay each Qualifying Facility for energy and capacity purchased will be established in advance by written contract with the Company as filed and approved by the Commission and will be based on the RATE FOR PURCHASE on file from time to time with the Commission, adjusted as outlined in the remaining parts of this section. Unless otherwise agreed the RATES FOR PURCHASE shall be:

- (1) Capacity \$5.58 per KW per month
- (2) Energy - Peak Period 2.35¢ per KWH
- Off Peak Period 2.21¢ per KWH

RATE CGS (Continued)

RATE FOR PURCHASE: (Continued)

In the event of an impasse in negotiations concerning RATES FOR PURCHASE of energy or capacity, either party may petition the Commission for a determination naming the other party as respondent.

The monthly capacity payment shall be adjusted by the following factor:

$$F = \frac{E_p}{(K) (T_p)}$$

Where: F = Capacity payment adjustment factor.
E_p = Kilowatt-hours delivered to the Company during the Peak Period.
K = Kilowatts of capacity the Qualifying Facility contracts to provide.
T_p = Number of hours in the peak period.

The KW capacity available and the kilowatthours in the peak period shall be determined by a suitable recording type instrument.

For intended purchases of 72,000 kilowatthours or more per month of energy from a Qualifying Facility, the Company and the Qualifying Facility may agree to increase or decrease the rate in recognition of the following factors:

- (1) The extent to which scheduled outages of the Qualifying Facility can be usefully coordinated with scheduled outages of the Company's generation facilities;
- (2) The relationship of the availability of energy from the Qualifying Facility to the ability of the Company to avoid costs, particularly as is evidenced by the Company's ability to dispatch the Qualifying Facility;
- (3) The usefulness of energy from the Qualifying Facility during System Emergencies, including the ability of the Qualifying Facility to separate its load from its generation.

The Company and a Qualifying Facility may negotiate a rate for energy or capacity purchase which differs from the filed rate of Rate CGS.

RATES FOR SALE BY COMPANY:

Back-up Power shall be provided under Standard Contract Rider No. 10. Maintenance Power shall be provided under Standard Contract Rider No. 11. Supplementary Power shall be provided under Standard Contract Rider No. 12. A Customer must specify in its contract with the Company the Customer's: (i) maximum back-up and maintenance power demand and (ii) maximum supplementary power demand. A Customer may not simultaneously qualify for Rate CGS, Rate REP Renewable Energy Production, Standard Contract Rider No. 9 Net Metering, and Standard Contract Rider No. 8 for off-peak service. Back-up Power, Maintenance Power and Supplementary Power may also be provided by agreement with the Company under Rate CSC. Such agreements must be reflective of the cost of service for the service that is being provided.

Under the back-up power and maintenance power riders the Customer pays the Company a zero-energy charge when the Customer self generates its own energy. The energy charge will default to the applicable tariff rate in the case of use of back-up, maintenance, or supplementary power.

RATE CGS (Continued)

RATES FOR SALE BY COMPANY: (Continued)

A Customer may receive a cost-justified reduction in their demand charge by taking back-up power or maintenance power service as Curtailable Power subject to a Company system limit of 55 megawatts total curtailable load served directly by customer-owned generation. Any Customer taking Curtailable Power while the 55 MW cap is in place will be grandfathered with respect to their existing curtailable load so that such Customer will have a right of first refusal in the event the cap is modified in the future. If back-up power or maintenance power service is taken as Curtailable Power, the generation component of the demand charge will be identified and the generation component will be offered on a prorated daily basis with no associated demand ratchet. The prorated demand charge will apply only to the amount of demand taken from the Company during an outage, not any demand that remains self-supplied by the Customer.

<u>Daily Generation Component of Demand Charge (Curtailable Power)</u>		
Rate SL	Secondary Service (Large)	\$0.5840 net per KW
Rate PL	Primary Service (Large)	\$0.6377 net per KW
Rate HL	High Load Factor (Primary Distribution voltage)	\$0.6377 net per KW
Rate HL	High Load Factor (Sub-Transmission voltage)	\$0.6345 net per KW
Rate HL	High Load Factor (Transmission voltage)	\$0.6267 net per KW

If back-up power or maintenance power service is taken as Curtailable Power, and if the Company does not already have facilities in place to curtail the Customer, the Customer will be responsible for installing and maintaining a control system that allows the Company to remotely curtail the load served by the generator and to do so without notification if the generator is not serving load. The Company shall not use such control system to curtail the load except during a MISO Market Capacity Emergency within the Company's Local Balancing Authority Area that has reached Maximum Generation Event Step 5.

The transmission and distribution portions of the demand charge and associated ratchet will continue to be imposed for transmission and distribution costs when the Customer is taking back-up and maintenance service. No interruptible capacity credit will apply to back-up power or maintenance power service demands.

<u>Monthly Transmission and Distribution Component of Demand Charge (Curtailable Power)</u>		
Rate SL	Secondary Service (Large)	\$3.66 net per KW
Rate PL	Primary Service (Large)	\$3.83 net per KW
Rate HL	High Load Factor (Primary Distribution voltage)	\$3.83 net per KW
Rate HL	High Load Factor (Sub-Transmission voltage)	\$3.19 net per KW
Rate HL	High Load Factor (Transmission voltage)	\$2.56 net per KW

STANDARD CONTRACT RIDERS APPLICABLE:

- | | | |
|--------|-------------------------------|--------------|
| No. 1 | Customer Load Characteristics | see Page 150 |
| No. 10 | Back-up Power | see Page 162 |
| No. 11 | Maintenance Power | see Page 163 |
| No. 12 | Supplementary Power | see Page 164 |

RATE REP
RENEWABLE ENERGY PRODUCTION

AVAILABILITY:

Available to any Customer of Indianapolis Power & Light Company (the “Company”) that operates within the Company’s service territory a Qualifying Renewable Energy Power Production Facility subject to the Company’s rules and regulations and, any terms, conditions and restrictions imposed by any valid and applicable law or regulation. This tariff is submitted pursuant to the requirements of the Commission’s regulations and shall cease to be effective if such regulations are set aside, withdrawn or for any reason cease to be applicable to the Company. An Existing Qualifying Renewable Energy Power Production Facility is eligible to the benefits of this Rate REP except as otherwise expressly forbidden by law.

DEFINITIONS:

- (a) Qualifying Renewable Energy Power Production Facility (the “Facility”) means an arrangement of equipment for the production of electricity with capacity no less than 50 kW (20 kW for solar) and no greater than 10 MW. The Facility shall be located at one site and is not the aggregation of more than one site each less than 50 kW (20 kW for solar) and which produces electric power through the use of 100% renewable resources or fuel. Such resources or fuels include:
 - a. Solar photovoltaic cells and panels
 - b. Wind
 - c. Dedicated crops grown for energy production
 - d. Organic waste biomass
 - e. Biomass will be consistent with the State’s definition in IC 8-1-8.8-10.
- (b) Purchase means the purchase of electric energy or capacity or both from the Facility by the Company and is also inclusive of all environmental attributes.
- (c) Sale means the sale of electric energy or capacity or both by the Facility to the Company and is also inclusive of all environmental attributes.
- (d) Environmental Attributes means Renewable Energy Credits (“REC”), carbon credits, greenhouse gas offsets or any other environmental credit, commodity or classification that may be associated with the production of renewable energy from the Facility.
- (e) Interconnection Costs means the reasonable costs of connection, switching, metering, transmission, distribution, safety provisions, and administrative costs incurred by the Company directly related to the installation and maintenance of the physical facilities necessary to permit interconnected operations with a Facility, to the extent such costs are in excess of the corresponding costs which the Company would have incurred if it had not engaged in interconnected operations, but instead generated an equivalent amount of electric energy itself or purchased an equivalent amount of electric energy or capacity from other sources. Interconnection Costs do not include any costs included in the calculation of Avoided Costs.
- (f) System Emergency means a condition on the Company's system which is liable to result in imminent significant disruption of service to Customers or in substantial deviation from normal service standards or which is imminently liable to endanger life or property.
- (g) Commission means the Indiana Utility Regulatory Commission.
- (h) FERC means Federal Energy Regulatory Commission.
- (i) Peak Period means the time between 6 a.m. and 10 p.m. (April through September) or between 7 a.m. and 11 p.m. (October through March) on all days except Saturdays and Sundays, which daily time period will be subject to change from time to time at the Company's option. This change would occur after no less than ten (10) days notice has been given to all Customers who would be affected, and to the Commission.
- (j) Off Peak Period means the time not included in the Peak Period.

RATE REP (Continued)

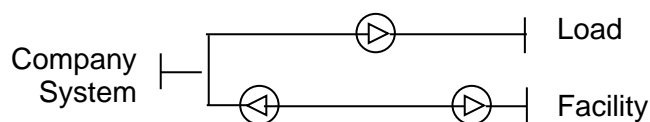
PURCHASE AND SALE:

Purchases and sales shall also be subject to the following general terms and conditions:

- a. The Company shall not be obligated to purchase or sell at a time of System Emergency.
- b. The Customer shall sell the total production of the Facility to the Company.
- c. The Customer shall receive service for their load at the appropriate retail rate from the Company. The applicable rate is not impacted by the Customer's participation in Rate REP.
- d. The Company may limit total participation under this Rate REP to 1% of the Company's retail electric kWh sales from the prior calendar year.

INTERCONNECTION CONDITIONS AND COSTS:

- (a) The Company, subject to prior compliance by the Facility with all applicable Federal and State laws and regulations, shall make parallel interconnection with the Facility in such a way as to accomplish purchases and sales as described in Sections (b) through (f).
- (b) The Facility shall comply with the National Electrical Safety Code, as supplemented, the applicable requirements of 170 IAC 4-4.3, and the Company's rules and regulations for electric service.
- (c) Interconnection Costs from the Facility to the Company's distribution or transmission system, including those costs of (d) and (e) below, shall be borne by the Facility. There shall be no obligation on the Company to finance such interconnection.
- (d) The Facility shall install, operate, and maintain in good order such relays, locks and seals, breakers, automatic synchronizer, and other control and protective apparatus as shall be designated by the Company for operation parallel to its system. The Facility shall bear full responsibility for the installation and safe operation of this equipment.
- (e) Breakers capable of isolating the Facility from the Company shall at all times be immediately accessible to the Company. The Company may isolate the Facility at its own discretion if the Company believes continued parallel operation with the Facility creates or contributes to a System Emergency. System Emergencies causing discontinuance of parallel operation are subject to verification by the Commission.
- (f) To properly record numbers of kilowatthours for, respectively, purchase and sale, the following configurations shall be the basis for metering:
 - (1) Where such measurement is appropriate for measurement of energy, the circuit shall include at minimum one monodirectional meter between, at one side, the Company system and, on the other side, the load and a bidirectional meter between, at one side, the Company system and on the other side, the Facility and any load associated with it
 - (2) Where such measurement is appropriate for measurement of energy, the circuit shall include a monodirectional meter between the on-site load and the Company and, in a series arrangement, two monodirectional meters between the Facility and the Company system:



RATE REP (Continued)

INTERCONNECTION CONDITIONS AND COSTS: (Continued)

- (3) The meter measuring purchases by the Company shall be of a design to record time periods, and shall be capable of electronically transmitting instantaneous readings.
- (4) Other metering arrangements shall be the subject of negotiations between the Company and the Customer.

RATE REP PURCHASE RATES:

The rate the Company will pay each Customer for energy and capacity purchased from their Facility will be established in advance by written contract with the Company as filed and approved by the Commission and will be based on the RATE REP PURCHASE RATES. The RATE REP PURCHASE RATES may be adjusted by the Company as circumstances warrant through the IURC's 30-day administrative filing process. Unless otherwise agreed, the RATE REP PURCHASE RATES shall be:

- | | | | |
|-----|-------------|---|---------------|
| (a) | Solar | | |
| | a. Capacity | None | |
| | b. Energy | | |
| | | (a) For Facilities generating 20 kW to 100 kW: | 24.0¢ per KWH |
| | | (b) For Facilities generating more than 100 kW: | 20.0¢ per KWH |
| (b) | Wind | | |
| | a. Capacity | None | |
| | b. Energy | | |
| | | (a) For Facilities generating 50 kW to 100 kW: | 14.0¢ per KWH |
| | | (b) For Facilities generating 100 kW to 1 MW: | 10.5¢ per KWH |
| | | (c) For Facilities generating more than 1 MW: | 7.5¢ per KWH |
| (c) | Biomass | | |
| | a. Capacity | \$6.18 per KW per month | |
| | b. Energy | 8.5¢ per KWH | |

The Company and the Customer may negotiate terms and a rate for energy or capacity which differs from the filed rates by the Company. The length of any contract shall not exceed ten (10) years. The Company and the Customer may agree to increase or decrease the rate in recognition of the following factors:

- (1) The extent to which scheduled outages of the Facility can be usefully coordinated with scheduled outages of the Company's generation facilities;
- (2) The relationship of the availability of energy from the Facility to the ability of the Company to avoid costs, particularly as is evidenced by the Company's ability to dispatch the Facility;
- (3) The usefulness of the Facility during System Emergencies, including the ability of the Facility to separate its load from its generation;
- (4) The impact of tax credits, grants and other financial incentives that when combined with the rate would produce excessive profits for the Facility.
- (5) Rates and adjustments prescribed in the contract shall remain in effect notwithstanding changes made to the RATE REP PURCHASE RATES from time to time.

RATE REP (Continued)

RATES FOR SALE BY COMPANY:

Back-up Power shall be provided under Standard Contract Rider No. 10. Maintenance Power shall be provided under Standard Contract Rider No. 11. Supplementary Power shall be provided under Standard Contract Rider No. 12. A Customer may not simultaneously qualify for Rate REP, Rate CGS Cogeneration and Small Power Production, Standard Contract Rider No. 9, Net Metering, and Standard Contract Rider No. 8 for off-peak service.

STANDARD CONTRACT RIDERS APPLICABLE:

No. 1 Customer Load Characteristics	see Page 150
No. 10 Back-Up Power	see Page 162
No. 11 Maintenance Power	see Page 163
No. 12 Supplementary Power	see Page 164

RATE EVX
TIME OF USE SERVICE
FOR ELECTRIC VEHICLE CHARGING ON CUSTOMER PREMISES

AVAILABILITY:

Available to Customers concurrently served under any of the following retail electric rates: Rate RS, Rate SS, Rate SH, or Rate SL, exclusively for charging of such Customers' licensed electric vehicles (EVs) using electricity provided by the Company at locations on such Customers' premises within the Company's assigned utility service area. Participation is voluntary. Energy consumption metered and billed under this tariff shall be used exclusively for charging electric vehicles.

The Company reserves the right to periodically interrupt service to test demand response strategies and system results. The Company does not anticipate receiving demand response revenues or providing monetary credits to Customers at this time.

EQUIPMENT-NEW CUSTOMERS:

Customers who receive service under this rate on or after January 1, 2013 are New Customers.

New Customers shall be responsible for procuring, paying for, installing, and owning the EV charging equipment, a meter base, a dedicated 40 amp circuit, and any additional necessary equipment. New Customer procured EV charging equipment must meet UL listing standards. Meter base must be installed outside of premise with 4 ft. of clearance and unrestricted access. Such installations must conform to current National Electric Code (NEC) specifications. Charging may only be accomplished using an SAE approved J1772 plug.

The Company will procure, pay for, install, own and maintain a meter.

EQUIPMENT-EXISTING CUSTOMERS:

Customers who received service under this rate prior to January 1, 2013 are Existing Customers.

The Company maintains ownership of EV charging equipment and separate metering equipment that the Company installed in Customer Premises for Existing Customers.

If, during the term of this rate, the Existing Customer requests removal and relocation of the charging equipment and meter within the Company's service territory, the Existing Customer shall pay all costs associated with removal and relocation of the charging equipment.

METERING AND BILLING:

EV charging service will be separately metered and identified on the bill in accordance with the Company's applicable rate schedule. Should interval gaps occur, consumption will be billed at the appropriate off-peak rate.

CHARACTER OF SERVICE:

Sixty cycle alternating current energy, ordinarily delivered and measured at 120/240 volts single phase three wire, 120/240 volts three phase four wire, or 120/208 volts three phase four wire, at the option of the Company.

RATE:

The Energy Charge shown hereafter plus the Standard Contract Riders shown hereafter in the Standard Contract Riders Applicable section.

RATE EVX (Continued)

RATE: (Continued)

Energy Charge June through September (Summer Months)

For all Peak kWh	12.150¢ per kWh
For all Mid-Peak kWh	5.507¢ per kWh
For all Off-Peak kWh	2.331¢ per kWh

Summer Months

	Peak	Mid-Peak	Off-Peak
Non-Holiday Weekdays (Monday—Friday)	2 p.m. to 7 p.m.	10 a.m. to 2 p.m. 7 p.m. to 10 p.m.	Midnight to 10 a.m. 10 p.m. to Midnight
Weekends and Observed Holidays*	N/A	10 a.m. to 10 p.m.	Midnight to 10 a.m. 10 p.m. to Midnight

*Observed Holidays include: Independence Day and Labor Day

Energy Charge January through May & October through December (Non-Summer Months)

For all Peak kWh	6.910¢ per kWh
For all Off-Peak kWh	2.764¢ per kWh

Non-Summer Months

	Peak	Off-Peak
All Days	8 a.m. to 8 p.m.	Midnight to 8 a.m. 8 p.m. to Midnight

PARTICIPATING CUSTOMER OBLIGATIONS:

In addition to Customer obligations outlined in the Company’s Rules and Regulations for Electric Service and in 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, Customers taking service under this rate shall:

- (1) Supply the Company with suitable locations for installation of metering and other necessary equipment;
- (2) Provide sufficient access to their premises to install metering and other necessary equipment;
- (3) Be responsible for (and indemnify and hold the Company harmless with respect to) the adequacy, condition and operation of electrical wiring and electrical system on Customer premises, and ensure that such wiring and system meet, at a minimum, the provisions of the NEC, the governmental authorities having jurisdiction, and the reasonable requirements of the Company; and
- (4) Take responsibility for (and indemnify and hold the Company harmless with respect to) the adequacy, condition and operation of Customer-owned EV charging equipment.

RATE EVX (Continued)

STANDARD CONTRACT RIDERS APPLICABLE:

No. 1	Customer Load Characteristics	see Page 150
No. 3	Transmission, Distribution and Storage System Improvement Charge	see Page 153
No. 6	Fuel Cost Adjustment	see Page 157
No. 7	Employee Billing	see Page 159
No. 9	Net Metering	see Page 161
No. 20	Environmental Compliance Cost Recovery Adjustment	see Page 179.2
No. 21	Green Power Initiative	see Page 179.3
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 over Three Dollars (\$3.00).

TERM:

The term for this rate begins with the date of approval by the Commission and ends when an updated rate is approved by the Commission. Participating Customers shall be required to participate for a minimum term equal to the shorter of twelve (12) months, or through the end of the term.

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.

**RATE EVP
ELECTRIC VEHICLE CHARGING ON PUBLIC PREMISES**

AVAILABILITY:

Available to Customers charging their electric vehicles (EVs) at certain public charging facilities located within the Company's assigned utility service area. Such public charging facilities may be located at hotels, museums, public parking facilities, etc. Participation is voluntary. Energy consumption billed under this rate shall be used exclusively for charging licensed electric vehicles.

EQUIPMENT:

The Company will own and operate the public charging equipment and will install, own and operate any necessary metering equipment subject to a lease agreement with the owners of the property on which public charging equipment is located. Customer's charging system in the electric vehicle must meet applicable standards. Further, Customers must take responsibility for (and indemnify and hold the Company harmless with respect to) the adequacy, condition and operation of the Customers' charging system in the electric vehicle.

METERING AND BILLING:

EV charging service will be billed and paid for at the point of service prior to charging by means of credit, debit, or pre-paid cards, as determined by the Company, at rates specified in this rate schedule. The charging service will be metered separately.

CHARACTER OF SERVICE:

Sixty cycle alternating current energy, ordinarily delivered and measured at 120/240 volts single phase three wire, 120/240 volts three phase four wire, or 120/208 volts three phase four wire, at the option of the Company. Service provided includes use of the charging equipment, electricity needed per session, and the convenience of charging in a public location.

RATE:

During the term of this rate, the initial service charge is a flat fee of \$2.50 per charging session. The Company may seek authority to change this rate, if approved by the Indiana Utility Regulatory Commission.

STANDARD CONTRACT RIDERS APPLICABLE:

NONE

PAYMENT:

This rate requires Customers to prepay for the voluntary service provided pursuant to this tariff by means of credit, debit, or pre-paid cards only, as determined by the Company. Payment must be made before charging service is rendered.

TERM:

The term for this rate begins with the date of approval by the Commission and ends when an updated rate is approved by the Commission.

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.