

LED Street Lighting Tariff Rates in the Northeast and Mid-Atlantic

Table 7. United Illuminating HPS/ LED Rate Comparison

United Illuminating (Connecticut) ¹				
HPS Rate		LED Rate		
Lumen Rating	Annual Rate Per Light	LED Equivalent Lumen Rating	Fixture Wattage	Annual Rate Per Light
4,000	\$85.06	3000 (50 W HPS Equivalent)	20	\$99.74
5,800	\$97.36	3300 (70 W HPS Equivalent)	43	\$99.74
9,500	\$129.50	5300 (100 W HPS Equivalent)	67	\$155.12
16,000	\$160.74	8400 (150 W HPS Equivalent)	106	\$245.64
27,500	\$208.37	10,500 (250 W HPS/MH Equivalent)	130	\$265.37
50,000	\$271.01	15,500 (400W HPS/MH Equivalent)	196	\$398.25

Table 9. Delmarva Power HPS/LED Rate Comparison

Delmarva Power (Delaware) ²						
HPS Rate				LED Rate		
Lumen Rating	Watts (Nominal)	Annual Rate Per Light	Estimated Monthly Avg. kWh	Watts (HPS Equivalent)	Estimated Monthly Avg. kWh	Annual Rate Per Light
4,000	50W	\$80.76	21	50W	8	\$111.12
5,800	70W	\$91.44	36	70W	15	\$109.8
9,500	100W	\$96.48	49	100W	19	\$111.36
16,000	150W	\$106.92	69	150W	30	\$128.28
25,000	250W	\$165.24	109	250W	38	\$149.76
50,000	4000W	\$195.36	164			

¹ United Illuminating Rate Schedule. Accessed: 9/13/14. Available at: [http://www.uinet.com/wps/wcm/connect/e1c9170040d8535ca7b9bfd2ce51850f/UI+Tariffs+Effective+January+1,+2011+\(clean\).pdf?MOD=AJPERES&CACHEID=e1c9170040d8535ca7b9bfd2ce51850f](http://www.uinet.com/wps/wcm/connect/e1c9170040d8535ca7b9bfd2ce51850f/UI+Tariffs+Effective+January+1,+2011+(clean).pdf?MOD=AJPERES&CACHEID=e1c9170040d8535ca7b9bfd2ce51850f)

² Delmarva Power Electric Tariff. Accessed: 9/13/14. Available at: http://www.delmarva.com/uploadedFiles/wwwdelmarvacom/Content/Page_Content/My_Business/Master20tariff%20eff%2007percent20tariffpercent20effpercent2007-1-201420filed%2007percent20filedpercent2007-08-14.pdf



Table 11. Central Maine Power HPS/LED Rate Comparison

Central Maine Power (Maine) ³							
HPS Rate				LED Rate			
Lumen Rating	Watts (Nominal)	Input Watts	Annual Rate Per Light	Lumens Rating	Watts (Nominal)	Input Watts	Annual Rate Per Light
3,600	50W	65	\$131.88	4190	50	50	\$248.64
5,670	70W	95	\$130.68				
8,550	100W	130	\$140.04				
14,400	150W	195	\$166.32				
25,600	250W	300	\$228.96				
45,000	400W	465	\$290.76				

Table 13. Potomac Edison HPS/LED Rate Comparison

Potomac Edison (Maryland) ⁴							
HPS Rate				LED Rate			
Lumen Rating	Watts (Nominal)	Annual Rate Per Light	Estimated Monthly Avg. kWh	Lumens	Watts (Actual)	Estimated Monthly Avg. kWh	Annual Rate Per Light
5,800	70W	\$101.52	37	4,000	50W	18	\$79.80
9,500	100W	\$100.56	51	7,000	90W	32	\$100.44
22,000	200W	\$156.72	86	11,500	130W	46	\$106.92
50,000	400W	\$223.08	167	24,000	260W	91	\$166.32

³ Central Maine Power Schedule SL. Accessed: 9/13/14. Available at: <http://www.cmpco.com/MediaLibrary/3/6/Content20Managementpercent20Management/Suppliers20And%20Partnerspercent20Andpercent20Partners/PDFs20and%20Docpercent20andpercent20Doc/sl.pdf>

⁴ Potomac Edison (First Energy/Allegheny Power) Rate Schedule. Accessed: 9/13/14. Available at: <https://www.firstenergycorp.com/content/dam/customer/Customer20Choicepercent20Choice/Files/maryland/tariffs/PotomacEdisonRetailTariff.pdf>



Table 14. Baltimore Gas and Electric HPS/LED Rate Comparison

Baltimore Gas and Electric (Maryland) ⁵					
HPS Rate			LED Rate		
Watts Nominal	Billing Watts	Annual Rate Per Light	Watts (HPS Equivalent)	Billing Watts	Annual Rate Per Light
100-150W	120-173	\$136.92	100W	73	\$131.76
150-250W	173-298	\$540.00	150W	82-110	\$148.92
250W	298	\$215.16	200W	135-146	\$187.12
400W	467	\$237.24	250W	208	\$211.08
1000W	1,130	\$266.52	400W	258-275	\$255.24

Table 16. Unitil HPS/LED Rate Comparison

Unitil (Massachusetts) ⁶			
HPS Rate		LED Rate	
Lumen Rating	Annual Rate Per Light	Lumen Rating	Annual Rate Per Light
3,300	\$117.48	3,850	\$101.64
9,500	\$139.80	6,100	\$120.48
20,000	\$208.20	10,680	\$150.96
50,000	\$295.92	20,000	\$243.24
140,000	\$607.08		

⁵ Baltimore Gas and Electric Rate Schedule SL. Accessed: 9/13/14. Available at: http://www.bge.com/myaccount/billsrates/ratestariffs/electricservice/Electric20Services%20Rates%20and%20Tariffspercent20Servicespercent20Ratespercent20andpercent20Tariffs/P3_SCH_SL.pdf

⁶ Fitchburg Gas and Electric (Unitil) Schedule SR. Accessed: 9/13/14. Available at: http://unitil.com/sites/default/files/tariffs/E_dpu256_Summary_of_Rates_060114.pdf



Table 19. Atlantic City Electric HPS/LED Rate Comparison

Atlantic City Electric (New Jersey) ⁷					
HPS Rate			LED Rate		
Lumen Rating	Watts (Nominal)	Annual Rate Per Light	Lumen Rating	Watts (HPS Equivalent)	Annual Rate Per Light
3,600	50	\$112.08	3,000	50	\$105.72
5,500	70	\$116.04	4,000	70	\$104.40
8,500	100	\$122.40	7,000	100	\$106.08
14,000	150	\$133.32	10,000	150	\$124.20
24,750	250	\$189.12	17,000	250	\$147.00
45,000	400	\$219.12			

Table 20. Rockland Electric HPS/LED Rate Comparison

Rockland Electric Company (New Jersey) ⁸							
Note: Tariff denote Distribution Rate, not Luminaire Rate. Does not include transmission charge.							
HPS Rate				LED Rate			
Lumen Rating	Watts (Nominal)	Input Watts	Annual Distribution Charge	Lumens	Watts (Actual)	Input Watts	Annual Distribution Charge
5,800	70W	108	\$101.16	5,890	70	74	\$115.80
9,500	100W	142	\$109.80	9,365	100	101	\$142.32
16,000	150W	199	\$133.68				
27,500	250W	311	\$170.64				
46,000	400W	488	\$276.60				

⁷ Atlantic City Electric Tariff. Accessed: 9/13/14. Available at: http://www.atlanticcityelectric.com/uploadedFiles/wwwatlanticcityelectriccom/Content/Page_Content/My_Home/Choices_and_Rates/NJ20Tariff%20Section%20IV%20Effective%2006percent20Tariffpercent20Sectionpercent20Ivpercent20Effectivepercent2006-01-2014.pdf

⁸ Rockland Electric Company Rate Schedule. Accessed: 9/13/14. Available at: <http://www.oru.com/documents/tariffsandregulatorydocuments/nj/electrictariff/SC4.pdf>



Table 22. Orange and Rockland HPS/LED Rate Comparison

Orange and Rockland (New York) ⁹							
Note: Tariff denotes Delivery Charge, not Luminaire Rate (likely includes transmission).							
HPS Rate				LED Rate			
Lumen Rating	Watts (Nominal)	Input Watts	Annual Distribution Charge	Lumens	Watts (Actual)	Input Watts	Annual Distribution Charge
5,800	70W	108	\$174.72	5,890	70	74	\$232.68
9,500	100W	142	\$190.68	9,365	100	101	\$257.40
16,000	150W	199	\$226.56				
27,500	250W	311	\$302.64				
46,000	400W	488	\$423.96				

Table 24. Duquesne Light and Power HPS/LED Rate Comparison

Duquesne Light and Power (Pennsylvania) ¹⁰					
HPS Rate			LED Rate		
Nominal Wattage	Nominal kWh Monthly Energy Usage	Annual Distribution Charge	Nominal Wattage	Nominal kWh Monthly Energy Usage	Annual Distribution Charge
70	29	\$150.12	43	50	\$133.92
100	50	\$151.32	106	70	\$153.84
150	71	\$153.48			
250	110	\$157.56			
400	170	\$163.80			
1,000	387	\$188.40			

⁹ Rockland Electric Company Rate Schedule. Accessed: 9/13/14. Available at: <http://www.oru.com/documents/tariffsandregulatorydocuments/ny/electrictariff/electricSC04.pdf>

¹⁰ Duquesne Light and Power Rate Schedule. Accessed: 9/13/14. Available at: https://www.duquesnelight.com/DLdocs/shared/ManageMyAccount/understandingMyBill-Rates/tariffHistory/Tariff24_94.pdf



Table 25. Pike County Electric HPS/LED Rate Comparison

Pike County Electric (Rockland Electric) (Pennsylvania) ¹¹							
Note: Tariff denotes Delivery Charge, not Luminaire Rate (likely includes transmission).							
HPS Rate				LED Rate			
Lumen Rating	Watts (Nominal)	Input Watts	Annual Distribution Charge	Lumens	Watts (Actual)	Input Watts	Annual Distribution Charge
5,800	70W	108	\$260.16	5,890	70	74	\$306.72
9,500	100W	142	\$285.00	9,365	100	101	\$376.44
16,000	150W	199	\$323.64				
27,500	250W	311	\$414.96				
46,000	400W	488	\$546.48				

Table 28. Green Mountain Power HPS/LED Rate Comparison

Green Mountain Power (Vermont) ¹²						
Note: Includes Luminaire, Distribution, Generation, and Transmission Charges						
HPS Rate			LED Rate			
Nominal Wattage	Lumens	Annual Charge Per Light	LEDs	Lumens	Input Watts	Annual Charge Per Light
70	5,200	\$173.16	20	2,530	37	\$127.20
100	8,500	\$191.04	20	3,162	50	\$130.92
150	14,400	\$219.12	40	5,050	67	\$158.88
200	19,800	\$253.92	40	6,312	92	\$166.08
250	24,700	\$279.72				

¹¹ Pike County Electric Power (Orange and Rockland). Accessed: 9/13/14. Available at: <http://www.oru.com/documents/tariffsandregulatorydocuments/pa/PikeElectricRateCaseFiling2014.pdf>

¹² Green Mountain Power Outdoor Lighting Rate 18. Accessed: 9/13/14. Available at: http://www.greenmountainpower.com/upload/photos/308Outdoor_Lighting_new_05_19_2014.pdf



Table 29. Central Vermont Public Service HPS/LED Rate Comparison

Central Vermont Public Service (Legacy Customers- now GMP) (Vermont)¹³

Note: Includes Luminaire, Distribution, Generation, and Transmission Charges

HPS Rate			LED Rate			
Nominal Wattage	Approximate Initial Lumens	Annual Charge Per Light	LEDs	Approximate Initial Lumens	Input Watts	Annual Charge Per Light
70	5,800	\$198.20	20	2,000	39	\$147.46
150	16,000	\$254.40	30	3,100	55	\$166.44
250	30,000	\$375.59	40	3,500	70	\$184.69
400	50,000	\$517.57	50	4,300	95	\$221.56
			60	5,100	113	\$237.98
			80	8,100	140	\$287.26

¹³ Green Mountain Power Rate Schedule for former Central Vermont Public Service Customers. Accessed: 9/13/14. Available at: http://www.greenmountainpower.com/upload/photos/307RATE_6_Municipal_Street_and_Highway_Lighting_05_16_2014.pdf