

MARSHALLTOWN WATER POLLUTION
 6051131000
 1001 WOODLAND ST
 MARSHALLTOWN, IA 50158
 2/8/2022



Power Factor Analysis: January 2021 - December 2021

Read Date	Demand kW	Power Factor	Power Factor Adjustments	Total Bill	95.1% Corrected Power Factor			98% Corrected Power Factor		
					Estimated Power Factor	Estimated Power Factor Adjustments	Estimated Total Bill	Estimated Power Factor	Estimated Power Factor Adjustments	Estimated Total Bill
Dec-21	704.78	89%	\$ -	\$ 24,309.57	95%	\$ (719.04)	\$ 23,590.54	98%	\$ (1,127.90)	\$ 23,181.67
Nov-21	906.75	84%	\$ 1,060.19	\$ 33,551.94	95%	\$ (916.44)	\$ 31,575.31	98%	\$ (1,437.55)	\$ 31,054.20
Oct-21	747.23	91%	\$ -	\$ 32,334.18	95%	\$ (840.68)	\$ 31,493.49	98%	\$ (1,318.72)	\$ 31,015.46
Sep-21	749.33	90%	\$ -	\$ 34,361.53	95%	\$ (1,074.13)	\$ 33,287.40	98%	\$ (1,684.91)	\$ 32,676.63
Aug-21	740.25	90%	\$ -	\$ 34,053.52	95%	\$ (1,061.20)	\$ 32,992.32	98%	\$ (1,664.63)	\$ 32,388.89
Jul-21	744.83	90%	\$ -	\$ 29,860.46	95%	\$ (1,067.72)	\$ 28,792.74	98%	\$ (1,674.85)	\$ 28,185.61
Jun-21	696.42	90%	\$ -	\$ 26,073.50	95%	\$ (959.33)	\$ 25,114.17	98%	\$ (1,504.83)	\$ 24,568.67
May-21	755.79	91%	\$ -	\$ 23,351.11	95%	\$ (786.21)	\$ 22,564.89	98%	\$ (1,233.27)	\$ 22,117.83
Apr-21	733.23	91%	\$ -	\$ 20,105.49	95%	\$ (763.65)	\$ 19,341.85	98%	\$ (1,197.88)	\$ 18,907.62
Mar-21	655.65	89%	\$ -	\$ 22,392.36	95%	\$ (665.83)	\$ 21,726.53	98%	\$ (1,044.44)	\$ 21,347.92
Feb-21	649.80	89%	\$ -	\$ 18,899.59	95%	\$ (652.32)	\$ 18,247.27	98%	\$ (1,023.25)	\$ 17,876.35
Jan-21	634.77	88%	\$ -	\$ 20,781.47	95%	\$ (637.93)	\$ 20,143.54	98%	\$ (1,000.68)	\$ 19,780.79
Total	726.57	89%	\$ 1,060.19	\$ 320,074.73	95%	\$ (10,144.47)	\$ 308,870.06	98%	\$ (15,912.89)	\$ 303,101.64

Note: The rate analysis presented in this report is for illustration purposes only. These comparisons are calculated using historical demand and power factor. Tariff rates and fuel costs are based on historical charges. Variation from usage, demand, fuel costs, and tax level will impact the accuracy of this data. These factors are subject to change, which will cause the estimates to change from what is presented above. IPL assumes no obligation, and disclaims any duty, to update the estimates in this report. For the purposes of this analysis, corrected power factors of 95.1% and 98% were considered for monthly bill estimate comparisons.

Read Date	Total Bill	95.1% Corrected Power Factor		98% Corrected Power Factor	
		Estimated Total Bill	Estimated Total Bill Savings	Estimated Total Bill	Estimated Total Bill Savings
Dec-21	\$ 24,309.57	\$ 23,590.54	\$ (719.04)	\$ 23,181.67	\$ (1,127.90)
Nov-21	\$ 33,551.94	\$ 31,575.31	\$ (1,976.63)	\$ 31,054.20	\$ (2,497.74)
Oct-21	\$ 32,334.18	\$ 31,493.49	\$ (840.68)	\$ 31,015.46	\$ (1,318.72)
Sep-21	\$ 34,361.53	\$ 33,287.40	\$ (1,074.13)	\$ 32,676.63	\$ (1,684.91)
Aug-21	\$ 34,053.52	\$ 32,992.32	\$ (1,061.20)	\$ 32,388.89	\$ (1,664.63)
Jul-21	\$ 29,860.46	\$ 28,792.74	\$ (1,067.72)	\$ 28,185.61	\$ (1,674.85)
Jun-21	\$ 26,073.50	\$ 25,114.17	\$ (959.33)	\$ 24,568.67	\$ (1,504.83)
May-21	\$ 23,351.11	\$ 22,564.89	\$ (786.21)	\$ 22,117.83	\$ (1,233.27)
Apr-21	\$ 20,105.49	\$ 19,341.85	\$ (763.65)	\$ 18,907.62	\$ (1,197.88)
Mar-21	\$ 22,392.36	\$ 21,726.53	\$ (665.83)	\$ 21,347.92	\$ (1,044.44)
Feb-21	\$ 18,899.59	\$ 18,247.27	\$ (652.32)	\$ 17,876.35	\$ (1,023.25)
Jan-21	\$ 20,781.47	\$ 20,143.54	\$ (637.93)	\$ 19,780.79	\$ (1,000.68)
Total	\$ 320,074.73	\$ 308,870.06	\$ (11,204.66)	\$ 303,101.64	\$ (16,973.08)