

WEST HAWAII UTILITY COMPANY
POWER COST CHARGE CALCULATION
EFFECTIVE: OCTOBER 2018

8/14/18-9/13/18

HELCO:	WAIK DEEP WELL #1 PUMP (DW-1)	1,277.03	0	#DIV/0!
	WAIK WTR WELL #1 PH 1	33.47	0	#DIV/0!
	WAIK DEEP WELL #2 PUMP (DW-2)	37,544.97	122,100	0.3075
	WAIK WELL SITE #2/PH 1	139.09	284	0.4898
	WAIK DEEP WELL #3 PUMP (DW-3)	54,145.75	177,600	0.3049
	WAIK WELL SITE #3/PH 1 P7X	87.02	144	0.6043
	WAIK DEEP WELL #4 PUMP (DW-4)	28,394.92	92,000	0.3086
	WAIK DEEP WELL #5 PUMP (DW-5)	46,897.45	153,800	0.3049
	WAIK DEEP WELL #6 PUMP (DW-6)	26,234.68	69,900	0.3753
	WAIK WELL SITE #6/AUXILIARY	172.57	374	0.4614
	WAIK DEEP WELL #7 PUMP (DW-7)	83,282.34	281,700	0.2956
	WAIK WELL SITE #7/PH 1	69.55	97	0.7170
ENERGY RESOURCES - WIND				
	SUBTOTAL	<u>\$278,278.84</u>	<u>897,999</u>	0.3099
ENERGY RESOURCES - WIND				
	GRAND TOTAL	<u><u>\$278,278.84</u></u>	<u><u>897,999</u></u>	0.3099

POWER COST CALCULATIONS:

TOTAL DOLLARS:	\$278,278.84
TOTAL KWH	<u>897,999</u>
UNIT PRICE FOR ELECTRICITY [\$ / kWh]	\$ <u>0.3099</u>

WHUC CALCULATIONS:

0.3099	UNIT PRICE FOR ELECTRICITY [\$ / kWh]
x	
5.6300	Pump Efficiency Factor [kWh / TG]
x	
1.06385	PSC/PUC fee = 1.8561 POWER COST CHARGE PER TG (WHUC)

Formula used to calculate PCC

Electric Power Cost Per Thousand Gallons =

Previous Month's electrical cost per kwh x pump efficiency factor (kWh / 100 gallons) x 1.06385 (Public Service Company Tax and PUC Fee)

**WEST HAWAII UTILITY COMPANY - SEWER
POWER COST CHARGE CALCULATION
EFFECTIVE: OCTOBER 2018**

HELCO BILLING PERIOD:

8/10/18 to 9/11/18

Anaehoomalu STP	32,803.20
SPS #1	4,369.65
SPS#2	1,097.11
SPS#3	785.28
ENERGY RESOURCES - WIND	
SUBTOTAL	\$39,055.24
ENERGY RESOURCES - WIND	
GRAND TOTAL	\$39,055.24

POWER COST CALCULATIONS:

PREVIOUS MONTH TOTAL DOLLARS:	\$39,055.24
PREVIOUS MONTH TOTAL METERED TG	83,793
UNIT PRICE FOR METERED WATER SALES [\$ / TG]	\$ 0.4661

WHUC CALCULATIONS:

0.4661		UNIT PRICE FOR METERED WATER SALES [\$ / TG]	
x			
1.06385		PSC/PUC fee =	0.4959

Formula used to calculate PCC

Electric Power Cost Per Thousand Gallons =

Previous Month's Electric Cost / Divided by Previous Month's Total Metered TG of
Water to the Company's Customers x 1.06385 (Public Service Company Tax and PUC Fee)

**POWER COST CHARGE
PER TG (WHUC)**

**WEST HAWAII UTILITY COMPANY - IRRIGATION
POWER COST CHARGE CALCULATION
EFFECTIVE: OCTOBER 2018**

HELCO BILLING PERIOD:

8/10/18-9/11/18

Irrigation Wells 1,2,3	10,601.47	33,500	0.3165
Nursery Well	3,553.54	10,661	0.3333
51' Well	1,884.58	5,130	0.3674
ENERGY RESOURCES - WIND			
SUBTOTAL	\$16,039.59	49,291	0.3254
ENERGY RESOURCES - WIND			
GRAND TOTAL	\$16,039.59	49,291	0.3254

POWER COST CALCULATIONS:

TOTAL DOLLARS:	\$16,039.59
TOTAL KWH	49,291
UNIT PRICE FOR ELECTRICITY [\$ / kWh]	\$ 0.3254

WHUC CALCULATIONS:

0.3254	UNIT PRICE FOR ELECTRICITY [\$ / kWh]
X	
0.5337	Pump Efficiency Factor [kWh / TG]
X	
1.06385	(PSC/PUC fee) = 0.1848

Formula used to calculate PCC

Electric Power Cost Per Thousand Gallons =

Previous Month's electrical cost per kWh x pump efficiency factor (kWh / 100 gallons) x 1.06385 (Public Service Company Tax and PUC Fee)

**POWER COST
CHARGE PER
TG (WHUC)**