

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

6/14/18-7/13/18

HELCO:	WAIK DEEP WELL #1 PUMP (DW-1)	1,278.17	0	#DIV/0!
	WAIK WTR WELL #1 PH 1	33.52	0	#DIV/0!
	WAIK DEEP WELL #2 PUMP (DW-2)	34,147.47	107,400	0.3179
	WAIK WELL SITE #2/PH 1	196.68	426	0.4617
	WAIK DEEP WELL #3 PUMP (DW-3)	52,746.03	167,700	0.3145
	WAIK WELL SITE #3/PH 1 P7X	84.47	133	0.6351
	WAIK DEEP WELL #4 PUMP (DW-4)	16,289.74	50,000	0.3258
	WAIK DEEP WELL #5 PUMP (DW-5)	36,786.56	116,400	0.3160
	WAIK DEEP WELL #6 PUMP (DW-6)	72,659.01	237,300	0.3062
	WAIK WELL SITE #6/AUXILIARY	163.35	339	0.4819
	WAIK DEEP WELL #7 PUMP (DW-7)	84,224.49	276,300	0.3048
	WAIK WELL SITE #7/PH 1	69.13	93	0.7433
ENERGY RESOURCES - WIND				
	SUBTOTAL	\$298,678.62	956,091	0.3124
ENERGY RESOURCES - WIND				
	GRAND TOTAL	\$298,678.62	956,091	0.3124

POWER COST CALCULATIONS:

TOTAL DOLLARS:	\$298,678.62
TOTAL KWH	956,091
UNIT PRICE FOR ELECTRICITY [\$ / kWh]	\$ 0.3124

WHUC CALCULATIONS:

0.3124	UNIT PRICE FOR ELECTRICITY [\$ / kWh]
x	
5.6300	Pump Efficiency Factor [kWh / TG]
x	
1.06385	PSC/PUC fee =
	1.8711
	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: AUGUST 2018

HELCO BILLING PERIOD:  
6/10/18 to 7/11/18

Anaehoomalu STP	35,523.91
SPS #1	4,948.27
SPS#2	1,173.55
SPS#3	806.76
ENERGY RESOURCES - WIND	
SUBTOTAL	\$42,452.49

ENERGY RESOURCES - WIND	
GRAND TOTAL	\$42,452.49

POWER COST CALCULATIONS:

PREVIOUS MONTH TOTAL DOLLARS:	\$42,452.49
PREVIOUS MONTH TOTAL METERED TG	84,127
UNIT PRICE FOR METERED WATER SALES [\$ / TG]	\$ 0.5046

**WHUC CALCULATIONS:**

0.5046		UNIT PRICE FOR METERED WATER SALES [\$ / TG]	
x		PSC/PUC fee	=
1.06385			= <span style="border: 1px solid black; background-color: yellow; padding: 2px;">0.5368</span>

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: AUGUST 2018**

HELCO BILLING PERIOD:

6/10/18-7/11/18

Irrigation Wells 1,2,3	10,755.97	33,000	0.3259
Nursery Well	3,782.23	11,079	0.3414
51' Well	1,961.15	5,224	0.3754
ENERGY RESOURCES - WIND			
SUBTOTAL	\$16,499.35	49,303	0.3347
ENERGY RESOURCES - WIND			
GRAND TOTAL	\$16,499.35	49,303	0.3347

POWER COST CALCULATIONS:

TOTAL DOLLARS:	\$16,499.35
TOTAL KWH	49,303
UNIT PRICE FOR ELECTRICITY [\$ / kWh]	\$ 0.3347

**WHUC CALCULATIONS:**

0.3347	UNIT PRICE FOR ELECTRICITY [\$ / kWh]
x	
0.5337	Pump Efficiency Factor [kWh / TG]
x	
1.06385	(PSC/PUC fee) = <span style="border: 1px solid black; background-color: yellow; padding: 2px;">0.1900</span>

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)**