

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

**9/14/18-10/15/18**

HELCO:	WAIK DEEP WELL #1 PUMP (DW-1)	1,408.94	0	#DIV/0!
	WAIK WTR WELL #1 PH 1	41.83	1	41.8300
	WAIK DEEP WELL #2 PUMP (DW-2)	14,415.78	43,800	0.3291
	WAIK WELL SITE #2/PH 1	145.83	294	0.4960
	WAIK DEEP WELL #3 PUMP (DW-3)	54,781.60	176,100	0.3111
	WAIK WELL SITE #3/PH 1 P7X	87.57	141	0.6211
	WAIK DEEP WELL #4 PUMP (DW-4)	19,420.06	60,600	0.3205
	WAIK DEEP WELL #5 PUMP (DW-5)	50,297.26	161,800	0.3109
	WAIK DEEP WELL #6 PUMP (DW-6)	76,458.86	252,000	0.3034
	WAIK WELL SITE #6/AUXILIARY	163.35	340	0.4804
	WAIK DEEP WELL #7 PUMP (DW-7)	86,833.69	288,000	0.3015
	WAIK WELL SITE #7/PH 1	72.33	101	0.7161
ENERGY RESOURCES - WIND				
	SUBTOTAL	\$304,127.10	983,177	0.3093
ENERGY RESOURCES - WIND				
	GRAND TOTAL	\$304,127.10	983,177	0.3093

**POWER COST CALCULATIONS:**

TOTAL DOLLARS:	\$304,127.10
TOTAL KWH	983,177
UNIT PRICE FOR ELECTRICITY [\$ / kWh]	\$ 0.3093

**WHUC CALCULATIONS:**

0.3093	UNIT PRICE FOR ELECTRICITY [\$ / kWh]
x	
5.6300	Pump Efficiency Factor [kWh / TG]
x	
1.06385	PSC/PUC fee = <span style="border: 1px solid black; background-color: yellow; padding: 2px;">1.8527</span> 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: NOVEMBER 2018**

HELCO BILLING PERIOD:

9/12/18 to 10/11/18

Anaehoomalu STP	29,225.26
SPS #1	3,768.92
SPS#2	860.68
SPS#3	694.83
ENERGY RESOURCES - WIND	
SUBTOTAL	\$34,549.69
ENERGY RESOURCES - WIND	
GRAND TOTAL	\$34,549.69

POWER COST CALCULATIONS:

PREVIOUS MONTH TOTAL DOLLARS:	\$34,549.69
PREVIOUS MONTH TOTAL METERED TG	74,285
UNIT PRICE FOR METERED WATER SALES [\$ / TG]	\$ 0.4651

**WHUC CALCULATIONS:**

0.4651		UNIT PRICE FOR METERED WATER SALES [\$ / TG]	
X			
1.06385		PSC/PUC fee	= <span style="border: 1px solid black; background-color: yellow; padding: 2px;">0.4948</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: NOVEMBER 2018**

HELCO BILLING PERIOD:

9/12/18-10/11/18

Irrigation Wells 1,2,3	10,020.59	30,900	0.3243
Nursery Well	3,458.06	10,090	0.3427
51' Well	1,775.36	4,620	0.3843
ENERGY RESOURCES - WIND			
SUBTOTAL	\$15,254.01	45,610	0.3344
ENERGY RESOURCES - WIND			
GRAND TOTAL	\$15,254.01	45,610	0.3344

POWER COST CALCULATIONS:

TOTAL DOLLARS:	\$15,254.01
TOTAL KWH	45,610
UNIT PRICE FOR ELECTRICITY [\$ / kWh]	\$ 0.3344

**WHUC CALCULATIONS:**

0.3344	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;">0.1899</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)**