## WEST HAWAII UTILITY COMPANY POWER COST CHARGE CALCULATION EFFECTIVE: NOVEMBER 2023

HELCO: WAIK DEEP WELL #1 PUMP (DW-1) 104,139.34 300000 0.3471 WAIK WTR WELL #1 P1 1 262.10 522 0.5021 WAIK DEEP WELL #2 PUMP (DW-2) 54,353.35 152,700 0.3559 WAIK WELL STE #2/PH 1 185.62 343 0.5412 WAIK DEEP WELL #3 PUMP (DW-3) 53,126.41 149,700 0.3549 WAIK WELL STE #3/PH 1 P7X 55.19 27 2.0441 WAIK DEEP WELL #3 PUMP (DW-4) 57,835.85 161,800 0.3675 WAIK DEEP WELL #5 PUMP (DW-5) 4,270.66 0 WAIK DEEP WELL #5 PUMP (DW-5) 4,270.66 0 WAIK DEEP WELL #5 PUMP (DW-7) 26,733.27 49,200 0.5434 WAIK WELL SITE #3/PH 1 171.07 309 0.5536 WAIK WELL SITE #7/PH 1 171.07 309 0.5536 WAIK WELL BIC #7/PH 1 1,059.44 2388 0.4437 WAIK WELL #6 CNTRL BLOG/PH 1 8,330.93 241800 0.3446 SUBTOTAL <u>\$385,752.42 1,059,234</u> 0.3642 ENERGY RESOURCES - WIND GRAND TOTAL <u>\$1,059,234</u> 0.3642 ENERGY RESOURCES - WIND GRAND TOTAL <u>\$1,059,234</u> 0.3642 ENERGY RESOURCES - WIND GRAND TOTAL <u>\$1,059,234</u> 0.200000000000000000000000000000000000	<u>09/12/23 - 1</u>	<u>09/12/23 - 10/11/23</u>								
WAIK DEEP WELL #2 PUMP (DW-2)  54,353.35  152,700  0.3559    WAIK WELL STE #2,PH 1  185.62  343  0.5412    WAIK WELL STE #3,PH 1 P7X  55.19  27  2.0441    WAIK DEEP WELL #4 PUMP (DW-4)  57,835.85  161,800  0.3575    WAIK DEEP WELL #4 PUMP (DW-4)  57,835.85  161,800  0.3575    WAIK DEEP WELL #5 PUMP (DW-5)  4.270.66  0  -    WAIK WELL STE #3/PH 1  171.107  309  0.5536    WAIK WELL STE #7/PH 1  171.107  309  0.5536    WAIK WELL #7 PUMP (DW-7)  26,733.27  49,200  0.5434    WAIK WELL #8 CNTRL BLDG/PH 1  1,059.44  2388  0.4437    WAIK WELL #8 CNTRL BLDG/PH 3  83,330.93  241800  0.3642    ENERGY RESOURCES - WIND	HELCO:	WAIK DEEP WELL #1 PUMP (DW-1)	104,139.34	300000	0.3471					
WAIK WELL SITE #2/PH 1  185.62  343  0.5412    WAIK WELL SITE #3PUMP (DW-3)  53,126.41  149,700  0.3549    WAIK WELL SITE #3PUMP (DW-3)  55,19  27  2.0441    WAIK DEEP WELL #3 PUMP (DW-5)  4.270.66  0  -    WAIK DEEP WELL #5 PUMP (DW-6)  0  -  Meter removed for repair 6-9 months    WAIK WELL SITE #6/AUXIL/ARY  229.19  445  0.5150    WAIK WELL SITE #7/PH 1  171.107  309  0.5536    WAIK WELL SITE #7/PH 1  171.07  309  0.5536    WAIK WELL SITE #7/PH 1  1,059.44  2388  0.4437    WAIK WELL #8 CNTRL BLDG/PH 1  1,059.44  2388  0.4437    WAIK WELL #8 CNTRL BLDG/PH 3  83,330.93  241800  0.3642    ENERGY RESOURCES - WIND		WAIK WTR WELL #1 PH 1	262.10	522	0.5021					
WAIK DEEP WELL #3 PUMP (DW-3)  53,126.41  149,700  0.3549    WAIK WELL SITE #3/PH 1 P7X  55.19  27  2.0441    WAIK DEEP WELL #4 PUMP (DW-4)  57,835.85  161,800  0.3575    WAIK DEEP WELL #5 PUMP (DW-6)  0  -  Meter removed for repair 6-9 months    WAIK DEEP WELL #5 PUMP (DW-7)  26,733.27  49,200  0.5536    WAIK WELL SITE #6/AUXILIARY  229.19  445  0.5150    WAIK WELL SITE #7/PH 1  171.07  309  0.5536    WAIK WELL #6 CNTRL BLDG/PH 1  1,059.44  2388  0.4437    WAIK WELL #8 CNTRL BLDG/PH 3  83,330.93  241800  0.3642    ENERGY RESOURCES - WIND		WAIK DEEP WELL #2 PUMP (DW-2)	54,353.35	152,700	0.3559					
WAIK WELL SITE #3/PH 1 P7X  55.19  27  2.0441    WAIK DEEP WELL #4 PUMP (DW-4)  57,835.85  161,800  0.3575    WAIK DEEP WELL #5 PUMP (DW-5)  4.270.66  0  -    WAIK DEEP WELL #5 PUMP (DW-5)  0  -  Meter removed for repair 6-9 months    WAIK DEEP WELL #7 PUMP (DW-7)  26,733.27  49,200  0.5434    WAIK WELL SITE #7/PH 1  171.07  309  0.5536    WAIK WELL #8 CNTRL BLDG/PH 1  1,059.44  2388  0.4437    WAIK WELL #8 CNTRL BLDG/PH 3  83,330.93  241800  0.3642    SUBTOTAL  \$385,752.42  1,059,234  0.3642    POWER COST CALCULATIONS:  1,059,234  0.3642    TOTAL KWH  1,059,234  0.3642    UNIT PRICE FOR ELECTRICITY [\$ / kWh]  \$ 0.3642    WHUC CALCULATIONS:  1,059,234  0.3642    VHUC CALCULATIONS:  1,059,234  0.3642    VHUC CALCULATIONS:  1,059,234  0.3642    VHUC CALCULATIONS:  1,059,234  0.3642    Sub300  Pump Efficiency Factor [kWh / TG]  X    5.6300  Pump Efficiency Factor [kWh / TG] <td></td> <td>WAIK WELL SITE #2/PH 1</td> <td>185.62</td> <td>343</td> <td>0.5412</td> <td></td>		WAIK WELL SITE #2/PH 1	185.62	343	0.5412					
WAIK DEEP WELL #4 PUMP (DW-4)  57,835.85  161,800  0.3575    WAIK DEEP WELL #5 PUMP (DW-5)  4,270.66  0  -    WAIK DEEP WELL #6 PUMP (DW-6)  0  -  Meter removed for repair 6-9 months    WAIK DEEP WELL #7 PUMP (DW-7)  26,733.27  49,200  0.5434    WAIK DEEP WELL #7 PUMP (DW-7)  26,733.27  49,200  0.5434    WAIK WELL SITE #7/PH 1  171.07  309  0.5536    WAIK WELL #8 CNTRL BLDG/PH 1  1,059.44  2388  0.4437    WAIK WELL #8 CNTRL BLDG/PH 3  83,330.93  241800  0.3642    SUBTOTAL  \$385,752.42  1,059,234  0.3642    ENERGY RESOURCES - WIND		WAIK DEEP WELL #3 PUMP (DW-3)	53,126.41	149,700	0.3549					
WAIK DEEP WELL #5 PUMP (DW-5)  4,270.66  0  -    WAIK DEEP WELL #6 PUMP (DW-6)  0  -  Meter removed for repair 6-9 months    WAIK WELL SITE #6/AUXIL/ARY  229.19  445  0.5150    WAIK DEEP WELL #7 PUMP (DW-7)  26,733.27  49,200  0.5434    WAIK WELL SITE #7/PH 1  171.07  309  0.5536    WAIK WELL #8 CNTRL BLDG/PH 1  1,059.44  2388  0.4437    WAIK WELL #8 CNTRL BLDG/PH 3  83,330.93  241800  0.3642    SUBTOTAL  \$385,752.42  1,059,234  0.3642    ENERGY RESOURCES - WIND		WAIK WELL SITE #3/PH 1 P7X	55.19	27	2.0441					
WAIK DEEP WELL #6 PUMP (DW-6)    0    -    Meter removed for repair 6-9 months      WAIK WELL SITE #6/AUXILIARY    229.19    445    0.5150      WAIK DEEP WELL #7 PUMP (DW-7)    26,733.27    49,200    0.5434      WAIK WELL SITE #7/PH 1    171.07    309    0.5536      WAIK WELL #8 CNTRL BLDG/PH 1    1,059.44    2388    0.4437      WAIK WELL #8 CNTRL BLDG/PH 3    83,330.93    241800    0.3446      SUBTOTAL    \$385,752.42    1,059,234    0.3642      ENERGY RESOURCES - WIND		WAIK DEEP WELL #4 PUMP (DW-4)	57,835.85	161,800	0.3575					
WAIK WELL SITE #6/AUXILIARY  229.19  445  0.5150    WAIK WELL SITE #7/PH 1  171.07  309  0.5336    WAIK WELL SITE #7/PH 1  171.07  309  0.5536    WAIK WELL #8 CNTRL BLDG/PH 1  1.059.44  2388  0.4437    WAIK WELL #8 CNTRL BLDG/PH 3  83,330.93  241800  0.3446    SUBTOTAL  \$385,752.42  1.059.234  0.3642    ENERGY RESOURCES - WIND		WAIK DEEP WELL #5 PUMP (DW-5)	4,270.66	0	-					
WAIK DEEP WELL #7 PUMP (DW-7)  26,733.27  49,200  0.5434    WAIK WELL SITE #7/PH 1  171.07  309  0.5536    WAIK WELL #8 CNTRL BLDG/PH 1  1,059.44  2388  0.4437    WAIK WELL #8 CNTRL BLDG/PH 3  83,330.93  241800  0.3446    SUBTOTAL  \$385,752.42  1,059,234  0.3642    ENERGY RESOURCES - WIND		WAIK DEEP WELL #6 PUMP (DW-6)		0	-	Meter removed for repair 6-9 months				
WAIK WELL SITE #7/PH 1  171.07  309  0.5536    WAIK WELL #8 CNTRL BLDG/PH 1  1,059.44  2388  0.4437    WAIK WELL #8 CNTRL BLDG/PH 3  83,330.93  241800  0.3642    SUBTOTAL  \$385,752.42  1,059,234  0.3642    ENERGY RESOURCES - WIND		WAIK WELL SITE #6/AUXILIARY	229.19	445	0.5150					
WAIK WELL #8 CNTRL BLDG/PH 1  1,059.44  2388  0.4437    WAIK WELL #8 CNTRL BLDG/PH 3  \$33,33.93  241800  0.3446    SUBTOTAL  \$385,752.42  1,059,234  0.3642    ENERGY RESOURCES - WIND		WAIK DEEP WELL #7 PUMP (DW-7)	26,733.27	49,200	0.5434					
WAIK WELL #8 CNTRL BLDG/PH 3  83,330.93  241800  0.3446    SUBTOTAL  \$385,752.42  1,059,234  0.3642    ENERGY RESOURCES - WIND		WAIK WELL SITE #7/PH 1	171.07	309	0.5536					
SUBTOTAL  \$385,752.42  1,059,234  0.3642    ENERGY RESOURCES - WIND  GRAND TOTAL  \$385,752.42  1,059,234  0.3642    POWER COST CALCULATIONS:  TOTAL DOLLARS:  \$385,752.42  1,059,234  0.3642    POWER COST CALCULATIONS:  TOTAL DOLLARS:  \$385,752.42  1,059,234  0.3642    POWER COST CALCULATIONS:  TOTAL WH  1,059,234  0.3642    WHUC CALCULATIONS:  UNIT PRICE FOR ELECTRICITY [\$ / kWh]    0.3642  UNIT PRICE FOR ELECTRICITY [\$ / kWh]    x  Disease    0.3642  UNIT PRICE FOR ELECTRICITY [\$ / kWh]    x  Disease    y  PUMP Efficiency Factor [kWh / TG]    x  Colspan="2">Colspan= 2"Colspan="2">Colspan="2"		WAIK WELL #8 CNTRL BLDG/PH 1	1,059.44	2388	0.4437					
ENERGY RESOURCES - WIND GRAND TOTAL \$385,752.42 1,059,234 0.3642 POWER COST CALCULATIONS: TOTAL DOLLARS: \$385,752.42 TOTAL KWH		WAIK WELL #8 CNTRL BLDG/PH 3	83,330.93	241800	0.3446					
GRAND TOTAL  \$385,752.42  1,059,234  0.3642    POWER COST CALCULATIONS:  \$385,752.42  1,059,234  0.3642    TOTAL DOLLARS:  \$385,752.42  1,059,234  0.3642    UNIT PRICE FOR ELECTRICITY [\$ / kWh]  \$1,059,234  0.3642    WHUC CALCULATIONS:  0.3642  UNIT PRICE FOR ELECTRICITY [\$ / kWh]    x  0.3642  UNIT PRICE FOR ELECTRICITY [\$ / kWh]    x  5.6300  Pump Efficiency Factor [kWh / TG]    x  5.6300  Pump Efficiency Factor [kWh / TG]		SUBTOTAL	\$385,752.42	1,059,234	0.3642					
POWER COST CALCULATIONS: TOTAL DOLLARS: \$385,752.42 TOTAL KWH <u>1,059,234</u> UNIT PRICE FOR ELECTRICITY [\$ / kWh] \$ 0.3642 WHUC CALCULATIONS: 0.3642 UNIT PRICE FOR ELECTRICITY [\$ / kWh] x 5.6300 Pump Efficiency Factor [kWh / TG] x	ENERGY RE	SOURCES - WIND								
TOTAL DOLLARS:  \$385,752.42    TOTAL KWH  1,059,234    UNIT PRICE FOR ELECTRICITY [\$ / kWh]  \$ 0.3642    WHUC CALCULATIONS:  0.3642    0.3642  UNIT PRICE FOR ELECTRICITY [\$ / kWh]    x  5.6300    pump Efficiency Factor [kWh / TG]    x		GRAND TOTAL	\$385,752.42	1,059,234	0.3642					
TOTAL KWH  1,059,234    UNIT PRICE FOR ELECTRICITY [\$ / kWh]  \$ 0.3642    WHUC CALCULATIONS:  0.3642    0.3642  UNIT PRICE FOR ELECTRICITY [\$ / kWh]    x  5.6300    pump Efficiency Factor [kWh / TG]    x	POWER COST CALCULATIONS:									
UNIT PRICE FOR ELECTRICITY [\$ / kWh] \$ 0.3642 WHUC CALCULATIONS: 0.3642 UNIT PRICE FOR ELECTRICITY [\$ / kWh] x 5.6300 Pump Efficiency Factor [kWh / TG] x	TOTAL DOL	LARS:	\$385,752.42							
WHUC CALCULATIONS: 0.3642 UNIT PRICE FOR ELECTRICITY [\$ / kWh] x 5.6300 Pump Efficiency Factor [kWh / TG] x	TOTAL KWH	l	1,059,234							
0.3642 UNIT PRICE FOR ELECTRICITY [\$ / kWh] x 5.6300 Pump Efficiency Factor [kWh / TG] x	UNIT PRICE	FOR ELECTRICITY [\$ / kWh]	\$ 0.3642	-						
x 5.6300 Pump Efficiency Factor [kWh / TG] x	WHUC CALCULATIONS:									
5.6300 Pump Efficiency Factor [kWh / TG] x		0.3642		UNIT PRICE FOR ELECTRICITY [\$ / kWh]						
x		х								
		5.6300		Pump Efficiency Factor [kWh / TG]						
1 06385 PSC/PLIC fee = 2 1813 POWER COST CHARGE PER TG		х				_				
(WHUC)		1.06385		PSC/PUC fee	= <u>2.1813</u>					
Formula used to calculate PCC		Formula used to calculate PCC				(11100)				

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 2023

HELCO BILLING PERIOD: 09/08/23 - 10/06/23				
Anaehoomalu STP	32,099.99	)		
SPS #1	4,294.56	5		
SPS#2	1,052.55	5		
SPS#3	799.29	)		
GRAND TOTAL	\$38,246.35	<u> </u>		
POWER COST CALCULATIONS: PREVIOUS MONTHTOTAL DOLLARS:	\$38,246.39			
PREVIOUS MONTH TOTAL METERED TG	81,183	-		
UNIT PRICE FOR METERED WATER SALES [\$ / TG	G] \$ 0.4711			
WHUC CALCULATIONS:				
	.4711	UNIT PRICE FO	R METE	RED WATER SALES [\$ / TG]
	x	0		
1.0	06385	PSC/PUC fee	=	0.5012
				POWER COST CHARGE PER TG (WHUC)
Formula used to calculate PCC				
Electric Power Cost Per Thousand Ga	allons $=$			

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)

## WEST HAWAII UTILITY COMPANY - IRRIGATION POWER COST CHARGE CALCULATION EFFECTIVE: NOVEMBER 2023

HELCO BILLING PERIOD:

Irrigation Wells 1,2,310,888.6829,3000.371Nursery Well3,312.568,1770.40551' Well2,057.082,6000.791	6						
	-						
<b>51' Well</b> 2,057.08 2,600 0.791	1						
	2						
SUBTOTAL \$16,258.32 40,077 0.405	7						
ENERGY RESOURCES - WIND							
GRAND TOTAL \$16,258.32 40,077 0.405	7						
POWER COST CALCULATIONS:							
TOTAL DOLLARS: \$16,258.32							
TOTAL KWH 40,077							
UNIT PRICE FOR ELECTRICITY [\$ / kWh] \$ 0.4057							
WHUC CALCULATIONS:							
0.4057 UNIT PRICE FOR ELECTRICITY [\$ / kWh]							
X							
0.5337 Pump Efficiency Factor [kWh / TG]	Pump Efficiency Factor [kWh / TG]						
X							
1.06385 (PSC/PUC fee) = 0.230	3						

	POWER COST
Formula used to calculate PCC	CHARGE PER TG
	(WHUC)

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)