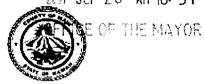
CHARMAINE TAVARES MAYOR

RECEIVED

JEFFREY K. FNG DIRECTOR ERIC H. YAMASHIGE, P.E., LS. DEPUTY DIRECTOR

2007 SEP 26 AM 10: 3 I



DEPARTMENT OF WATER SUPPLY **COUNTY OF MAUI**

200 SOUTH HIGH STREET WAILUKU, MAUI, HAWAII 96793-2155 Telephone (808) 270-7816 • Fax (808) 270-7833

September 26, 2007

Honorable Charmaine Tavares Mayor, County of Maui 200 South High Street Wailuku, Hawaii 96793

For Transmittal To:

Honorable Michelle Anderson, Chair Water Resources Committee Maui County Council 200 South High Street Wailuku, Hawaii 96793

Dear Chair Anderson:

SUBJECT: WATER USE AND DEVELOPMENT PLAN (WR-4)

This is in response to your request of August 27, 2007. For your information, I have attached copies of the availability worksheets for each system.

System capacity

System capacity is listed as "24 Hours" or "GPM" on each availability worksheet. This amount translates to rated capacity and peak flow for each source with disregard to system standards, aquifer limitations, and other limiting factors.

System sustainable yield (per industry standards)

Sections 111.04 and 111.08 of the 2002 State of Hawaii Water System Standards set criteria for surface and ground water capacity. For surface water systems, the demand shall not exceed 80 % of the average daily inflow from the source. Total pump capacity for each site is based on criteria that yields the

(Michelle anduson)

Honorable Charmaine Tavares For Transmittal to: Honorable Michelle Anderson September 26, 2007 Page 2

maximum pumpage. The criteria that applies to the County of Maui are listed below.

- Meet maximum day demand with an operating time of 16 hours simultaneously with maximum fire flow required independent of the reservoir. The standby unit may be used to determine the total flow required.
- Maximum day demand during the duration of fire plus fire demand less 3/4 of reservoir storage.
- Meet maximum day demand with an operating time of 16 hours.
 The largest pumping unit shall be considered out of service (standby).

Maximum daily demand is calculated as 1.5 times average day demand. Available capacity based on these criteria is found in the "2/3 of 2/3" columns of each availability worksheet.

The Department has historically applied modified standards that take into consideration the legal sustainable yield set for pumped aquifers, longer pumping times, etc. Please refer to the "2/3" column of the availability worksheets.

Current gallons per day (gpd) served

The 12-month moving average (MAV) production is listed in the availability worksheets. It should be noted that there is a 10-34 percent discrepancy between the amount produced at the source and amount consumed/billed due to billing cycle delays, system losses and other factors. Six-month average billed consumption for each system as of June 2007 was as follows:

Central Maui System: 21.877 MGD
West Maui System: 5.300 MGD
Upcountry System: 7.373 MGD
Hana System: 0.192 MGD
Molokai system 0.776 MGD

Reservations/wait lists gpd

Please find the amount reserved on each availability worksheet. The amount represented by the Upcountry wait list is listed on the Upcountry availability worksheet as well.

Honorable Charmaine Tavares For Transmittal to: Honorable Michelle Anderson September 26, 2007 Page 3

Entitled land not yet serviced by water meters

While what is considered entitled land may need some clarification, the availability worksheets list meters that are installed but not yet showing consumption as "recently issued meters" and subdivisions that are pending near term. Recently issued meters are committed source and the demand is inferred based on empirical data. Pending subdivisions may or may not have partial approvals but meter applications are not yet approved. The Department does not commit or guarantee water source until a meter application or reservation is reviewed and approved.

Thank you for your attention to this matter. Should you have any questions, please feel free to contact me at Ext. 7816.

Sincerely

JEFFREY K. ENG

Director of Water Supply

Jeffrey K. &

Attachments

emb

A	s of:	06/30/0

			Central Maui - Ava	ailability Worksheet											As of:	
						18,256				REMAINING CAP	A CITY	REMAINING CA			REMAINING CA BY HISTORICAL	
io Aquifer	GPM	24 Hrs.	2/3	2/3 of 2/3	90% SY	EUP 1	Last 12 Mos	MAV Use	MAV +21%	BY SYSTEM STA		INTERIM METN			MODIFIED STAL	
okuhau 1	2,500	3,600,000	2,400,000	1,600,000	39/891	1,994,000	519,770,000	1,424,027		2/3 of 2/3 - MAV		2/3 - MAV+21%			2/3 - MAV	
okuhau 2				0		0	0	0 407 000	9 000 559							
okuhau 3 aihee 1	4,040 2,680	5,817,600 3,859,200	3,878,400 2,572,800	2.585,600 1,715,200		2,221,000 1,480,000	907,842,000 705,531,000	2,487,238 1,932,962	3,009,558 2,338,884							
aines i	2,680	3,859,200	2,572,800 2,572,800	1,715,200		2,439,000	993,042,000 880,308,000	2,720,663	3,292,002							
aihee 3	3,550	5,112,000	3,408,000 912,000	2,272,000 608,000		1,513,000 165,000	880,308,000 27,241,000	2,411,803 74,633	2,918,281 90,306							
aighu Heights 1 aighu Heights 2	950 1,060	1,368,000 1,526,400	1,017,600	678,400		1,415,000	502,781,000	1,377,482	1.666,753						per unit entit	
paniwai	610	878,400	585,600	390,400	• 180	585,600 5,771,000	296,244,000 1,834,161,000	811,627 5,025,099	982,069 6.080,369	-						
alluku Shaft o Tank Site Well	3,512 none yet	5,057,280	3,371,520	2,247,660		3,771,000	1,834,161,000	3,02,3,089	0.000,000							
aikapuTank Site Well	none yet							***************************************								<u> </u>
JBTOTAL	31,078,080	31,078,080	20,718,720	13,812,480	18,000,000	17,583,600	6,666,920.000	18.265.534	22,101,296	4,453,054		1,382.576			-265,534	
JBIOTAL	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	* El ID stande for Evis	ting Hea Parmite Whee	e thisea haws heen issued	······································	and the second s	annon marianti manana manana antara t									
411111111111111111111111111111111111111		Request for total of 15	289 MGD in progress	at CWRM. Although inte	rim method initially allo	wa >SY, largest pump ou	t brings this to below per	mitted, about 16.8 r	ngd,							
a Non-Ground	Median Flow	80% inflow	Med less one SD				Last 12 Mos	MAV Use	MAV +21%							
to Tunnel	1,602,403	1,281,922	1,364,130				651,243,000	1,784.227					++0011-1400/2007/2007/2007			<u> </u>
7.44	1,602,403	1,261,922	1,364,130				651.243.000	1,784,227	2,158,915	-\$02,306		-876,993			-502,305	
	1,002,403		low more conservati	ve than 1 SD here												
			Page 1 15	Med Less 1 SD**			Last 12 Mos	MAVIIOA	MAV +21%							
io Treatment Plant apacity	Peak Day 3.476.820	Avg Day* 1,500,000	80% Inflow	659,486			415,917,000	1,139,499						***************************************		
Sparty	<i>2,312,000</i>	*Rated capacity of t	reatment plant is 2,3	17,890 but actual perfor	rmance is lower due	to hydrualic issues.								anemanane en		-
														.,.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	3,476,820	1,500,000	659,486	€59,486			415,917,000	1,139,499	1,378,793	360,501		121,207			360,501	.
/amee Aguiter																1
Partice Aquiler:	GPM	24 Hrs.	2/3	2/3 of 2/3	50% SY		Last 12 Mos		MAV +21%							
lorth Weihee # 1	1,150	1,656,000	1,104,000	736,000 6 78 ,400	····		381,396,000 298,781,000	1,044.921 818,578	1,264,354 990,479		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				-	
Lorth Waihee # 2 anoa T	1,060	1,526,400 1,728,000	1,017,600 1,152,000	768,000			525,211,000	1,438,934	1,741,110							
aryoa 2	1,200 1,275	1.836,000	1,224,000	816,000			410,105,000	1,123,575	1,359,526							<u> </u>
upaa	none yet						<u> </u>	-	ď							
la(yhia Vaioisi	none yet								.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
Varolena	none yet	~ ····	· · · · · · · · · · · · · · · · · · ·						***********					,	<u> </u>	
UBTCTAL	6,746.400	6,746,400	4,497,600	2,998,400	4,000,000		1,615,493,000	4,426,008	5,355,470	1.427.608		-857.870			425,008	4
		Aithough interim me	ethod initially allows	> 50% SY, largest punit	out brings this to be	low permitted; about 3.	.3 mga.	***************************************								
OTAL BEFORE REMOVING PUMP	42,903,703	42,903,703	27,998,242	18,834,496	4800		9,349,573,000	25,615,268	30,994,475	-6,780,772	6.780,772	2,946,232	-2,986,232	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2,382,974	4 833.3
~~~										3,401,600	10,182,372	2,664,400	-5,650,632		ULCA ON	STMENT
ARGEST PUMPS OUT OF SERVICE										***********						***************************************
													****			
EMAND ADJUSTMENTS									1							
Reserved Other Than DHHL										101,990	-10:294.362	-101.990	-5,752,622		-101,990	9 -935,3
DHHL Outstanding			**************************************						1	-78,000	-10,362,362	78,000	3830.622		-78,630	31,013,3
Reserved			***************************************				~ _{(M}							ļ		
Near Term - Not Reserved							······································		<b>-</b>							
Recently Issued Meters							***************************************			-863,763	-11,225,125	363,763	-6,694,385		863.763	-1,877.0
Subdivisions																
Subd Approved but Meters Not Yet Approv										-1,775,274	-13,001,399	1,775,274	-8,469,659	ļ	1,775,274	3.652,3
					·····											
EAR TERM SUPPLY ADJUSTMENTS																
Maul Lani Wells	GPM 1500	24 Hours 2,160,000	2/3 Capacity (.440,000		Agreement Limit 1,200,000	Sustainable Yield 1,000,000	Adjustment 1,000,000		<del> </del>	1,000,000	-14,794,188	1,000,000	-10,262,448	<u> </u>	1,000,000	0 -6,445,1
Wath Lan Wells Walkapu South Well	1,000	£,100,000	:,,	7,7-7,0000			no adjustment yet - pu	mp size depends	on testing					ļ		1
	Book New	Avg Day	80% Inflow	Med Less 1 SD**				a company a company a company								
Warale Treatment Plant	Peak Day 9,000,000	6,000,000	N/A Ye				no adjustment yet - pla	nt still in design						<b></b>		
									-					<del>                                     </del>		+
	<b></b>										-14 794,188		-10,262,448			-6,445,
					<u></u>		······································									-
ENDING DEMAND ADJUSTMENTS - NEAF			Contract to the second	~ <del>~</del> ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	·············		······	T	1					ŧ		

Lahaina - Availability Worksheet As Of 06/30/07 REMAINING CAPACITY REMAINING CAPACITY Alaeloa Area - servied by Honokahua and Napili Wells - can be backed up by treatment plant REMAINING CAPACITY BY PROPOSED BY HISTORICALLY USED GPM 24 Hrs 2/3 2/3 of 2/3 Last 12 Mos MAV Use MAV + 15% **BY SYSTEM STANDARDS** INTERIM METHOD **MODIFIED STANDARDS** 700 Cumulative Cumulative Cumulative Honokahua B 630 604.800 907,20 403200 100,418,000 275,118 316,385 Adjustments Totals Adjustments Totals Adjustments Totals Napili A 700 1,008,000 672,000 448000 362,321,000 992,660 1,141,559 Napili B 580 835,20 556.800 371200 33,308,000 91,255 104,943 Napili C 980 1,411,200 940,800 141,732,000 446,553 627200 388,307 SUBTOTAL 1,747,340 4.161,600 2,774,400 1,849,600 2.009,441 102,260 764,959 1,027,060 gpm are based on calibrated capacities vs. pump size Kaanapali - Honokowai Area - served by Mahinahina Treatment Plant - can be backed up by wells Peak Day Avg Day* 80% Inflow** Last 12 Mos MAV Use MAV + 15% Capacity 2,500,000 1,805,166 716,180,000 1,962,137 2,256,458 SUBTOTAL 2,500,000 716,180,000 1,962,137 2,256,458 1,805,166 537,860 243,542 537,863 flow variation here not relevant to ditch but only to treated water ditch flows far exceed our max use, therefore av capacity used Lahaina Town Area - served by Walpuka & Kanaha wells and Lahaina WTP - can be backed up by Mahinahina WTP and Alaeloa sources 24 Hrs MAV + 15% 2/3 2/3 of 2/3 Last 12 Mos MAV Use Waipuka 1 273,600 182,400 190 121600 40,327,000 110,485 127,058 Waipuka 2 310 446,400 297,600 198400 57,388,000 157,227 180,812 Kanaha 1 265 381,600 254,400 169600 84,981,000 232,825 267,748 Kanaha 2 270 388,800 259,200 172800 49,874,000 136,641 157,137 Wahikuli 1 NIU Wahikuli 2 SUBTOTAL 232,570,000 1,490,400 993,600 662,400 637,178 732,755 25,222 260,845 356,422 gpm are based on calibrated capacities vs. pump size Lahainaluna Treatment Plant Peak Day Avg Day 80% Inflow ast 12 Mos MAV Use MAV + 15% Capacity 2,610,225 1,740,150 1,367,947 542,718,000 1,486,899 1,709,934 253,251 30,216 253,251 SUTOTAL 2,610,225 1,740,150 1,367,947 542,718,000 1,486,899 1,709,934 flow variation here not relevant to ditch but only to treated water therefore, avg. capacity used OVERALL SUBTOTAL BEFORE REMOVING LARGEST PUMPS 918,596 1,299,563 2,174,596 LARGEST PUMP OUT -825,600 -1,238,400 -1,238,400 TOTAL BEFORE ADJUSTMENTS 92,99€ 61,163 936,196 DEMAND ADJUSTMENTS RESERVED OTHER THAN DHHL 46.32 46.669 -46.327 14,836 -46.327 889,869 DHHL - RESERVED 46,669 14.836 889,869 DHHL - NEAR TERM NOT RESERVED 151.800 -105.13151,800 136.964 -151,800 738,069 RECENTLY ISSUED METERS - NO USE YET 138,097 -138,097 -138,097 -243,22 -275,061 599,972 SUBDIVISIONS (NON-RESERVED, NON-DHHL) METERS APPROVED - NOT YET INSTALLED -277,428 -309,261 34,200 565,772 -34,200 -34,200 NEAR TERM PENDING SUBDIVISIONS -113.03 -390,463 -113.03 422,290 -113.03 452,737 NEAR TERM SUPPLY ADJUSTMENTS Peak Day Avg Day* 80% Inflow** Source Agreement Adjustment LAHAINA TREATMENT PLANT ENLARGEMENT 6,804,000 3,628,800 N/A Yet Negotiation Pending

Upper Kula Olinda	DOH Peak Day 4,762,800	Rated Capacity 3,175,200		Last 12 Mos 313,155,000	MAV Use 857,959	MAV + 15% 986,653		REMAINING CAP BY SYSTEM STA (2/3 of 2/3 - MAV)	NDARDS	REMAINING O BY PROPOSE INTERIM MET (2/3 - MAV + 1	D HOD	REMAINING C BY HISTORIC MODIFIED ST (2/3 - MAV)	CALLY USED	
	4,762,800	3,175,200	600,000	313,155,000	857,959	986,653			-386,653		386.653		-386.65	
		<u> </u>												
Lower Kula	Peak Day	Rated Capacity	Estimated Drought Capacity	Last 12 Mos	MAV Use	MAV + 15%								
Piiholo	9,000,000	6,000,000	2,590,000	945,593,000	2,590,666	2,979,266	A							
	9,000,000	6,000,000	2,590,000	945,593,000	2,590,666	2,979,266			-389.266		-389.266		-389.26	
	9,000,000	0,000,000		343,333,000	2,390,000	2,373,200			3907200					
11-1		D-A-10	Estimated	1> 10 14	FRAU III	MAV + 15%								
Makawao Kamole Weir	7,776,000	Rated Capacity 6.804,000		Last 12 Mos 1,366,203,000	MAV Use 3,743,022	4,304,475				THE ST				
7,507,500				**************	**********									
	7,776,000	6,804,000	4,500,000	1,366,203,000	3,743,022	4,304,475			195,525		195,525		195,52	
Subtotal Surface	21,538,800	15,979,200	7,690,000	2,624,951,000	7,191,647	8,270,394								
				20 120			\$1.537 AC07		. :				<del></del>	
WELLS Hamakuapoko 1	<b>GPM</b> 500	<b>24 Hrs.</b> 720,000		2/3 of 2/3 0	Last 12 Mos	MAV Use	MAV +15%						·····	
Hamakuapoko 2	500	720,000	**************************************	0	n	o	o o							
Pookela*	900			120,000		0	0							
Kaupakalua **	1020	1,468,800	979,200	652,800	210,172,000	756,014	869,417							
Haiku **	320	460,800	307,200	204,800	137,226,000	375,962	432,356							
Subtotal Ground		4,665,600	1,406,400	977,600	347,398,000	1,131,976	1,301,772		-154,376		104.628		274,42	
* Pookela primarily utilize		well			······································									
Kaupakalua Well last pur	np day was 4/4/	2007 at 1530; Poc	kela Well first pump d	ay was 5/23/2007 a	t 0950									
REMAINING CAPACITY					······			-734,770	-734,770	-475,766	-475,766	-305,970	-305,97	
								-852.800	1,387,570	-979 200	-1,454,956	-979,200	1,285,17	
LARGEST PUMP OUT								-902,000	*1,307,319	-979,230	*1,434,320	979,220	t years try t a	
DEMAND ADJUSTMENT	S													
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,													
RESERVED OTHER TH	AN DHHL OR P	RIORITY LIST		······································										
UPCOUNTRY PRIORIT	Y LIST - Other I	han DHHL												
Recently installed but r	not showing con				***************************************			-16,200	-1,403,770	-16.200	-1,471,166	16,200	-1,301,37	
Reserved meters but n	ot installed				······			-86,600	-1,490,370	-86,600	-1,557,768	-86,600	-1,387,97	
DHHL														
Recently installed mete		howing consumptic	on .					-29,400	-1.513.770	-23,400	-1,581,166	-23,400	-1,411,3	
Reserved meters but n	ot installed							-348,050	-1,861,820	-348,050	-1.929.216	-348.050	1,759,46	
SUBDIVISIONS - OTHER	R THAN DHHL.	RESERVED OR P	RIORITY LIST										•••••	
Meters approved but n								-5,808	-1,867,628	-5.808	-1,935,024	-5,808	-1,765,22	
REMAINING CAPACITY									-1,867,628		-1,935,024		-1,765,22	
		nagy again a daile dh'i dhigaga an mananan na na naghaga ann a												
PENDING DEMAND AD.														
Upcountry Water Servi Subdivisions	ice wait list"			Commission of Commission Commissi				-785,200	-2.652.828	-785,200	2.720.224	785,200	-2,550,42	
Water Service and B					***************************************			-497,900	-3,150,728	-497,900	-3,218,124	-497.900	-3,048,3	
ML&P Source Reserva	ations							-680,490	-3,831,128	-680,400	-3,898,524	-680,400	-3,728,7	
PENDING SUPPLY ADJ	ISTMENTS													
FENDING SUPPLI ADJ	GPM	24 Hours	2/3	2/3 of 2/3	Adjustment									
ML&P Piiholo Well	1,400	2,016,000	1,344,000		TBD - under revi	iew								
			Drought Capacity		Adjustment	*~~~		<b></b>						
Kamole Weir Upgrade	10,206,000	6,804,000	TBD Under Review		TBD - under rev	iew		<b>}</b>					<u> </u>	

				aui Availability				REMAINING O	PAPACITY	REMAINING CAPACITY BY PROPOSED			REMAINING CAPACITY BY HISTORICALLY USED			
	GPM*	24 Hrs	2/3	2/3 of 2/3	Last 12 Mos	MAV Use	MAV+15%	BY SYSTEM ST	e Historia i i i 🕨		INTERIM N	METHOD		MODIFIED ST	TANDARD	
Keanae 592 Keanae 2 LARGEST PU RESERVED DHHL	W. W.															
	225	324,000	216,000	144,000	41,685,000	114,205	131,336									
	283	407,520	271,680	181,120	48,939,000	134,079										
	not yet	,	=: 0,000													
namou L	noryon	***********				***************************************	<b></b>									
***************************************		731,520	487,680	325,120	90,624,000	248,285	285,528		76,835			202,152			239,395	
		.01,020	101,900	<u> </u>								-				
LARGEST PLIM	POUT			,				-181,120	-104,285	·	-271,680	-69,528		-271,680	-32,285	
<u>LANGEOTT ON</u>																
DECEDITED	l.							-600	-104,885		-600	-70,128		-600	-32,885	
NEGENVED	1				7											
DULI	I -							0	-104,885		1 0	-70,128		0	-32,885	
חטטר		<u> </u>						<u> </u>								
					- 1117-201 et - 1118-			6,000	-98,885		6,000	-64,128		6,000	-26,885	
RECENTLY ISS	UED METE	ER APPROV	ALS	··				0,000	-30,007		0,000	V1,12V	······································	0,000		
	<u></u>						<b> </b>	0.744	-101,629		-2,744	-66,872		-2,744	-29,629	
······································	<b></b>	No Meters Y	<u>'et</u>	:				-2,744		· · · · · · · · · · · · · · · · · · ·	-33,078	-99,950		-33,078	-62,707	
	Pending							-33,078	-134,707		-33,070	-33,300		300,010	- V#.: V/	
	GPM*	24 Hrs	2/3	2/3 of 2/3	Last 12 Mos	MAV Use	MAV+15%					(4) (4)				
Keanae 592	105	151,200	100,800	67,200	<del></del>	37,008	42,559									
	not yet	could be on	<u>line in short n</u>	iotice as backu	(p											
				****											60.70	
		151,200	100,800	67,200	13,508,000	37,008	42,559		30,192			58,241			63,792	
														400 000	27 00	
LARGEST PUM	IP OUT		Ar er f					-67,200	-37,008		-100,800	-42,559		-100,800	-37,001	
											:.					
RESERVED								-600	-37,608		-600	-43,159		-600	-37,60	
									i delet							
DHHL								0	-37,608		0	-43,159		0	-37,60	
								i i								
RECENTLY ISS	LIED MET	ER APPROV	AIS					0	-37,608		0	-43,159		0	-37,608	
11_0/11/11/11/100	1V1L-11	1		<u> </u>												
SUBDIVISIONS							1								1	
30BDIVISIONS		No Meters	/at					0	-37,608		o	-43,159		0	-37,60	
	Pending	IND METERS I	GI		<u> </u>			-804	-38,412		-804	-43,963		-804	-38,41	
	rending					<u> </u>		1 004	W W 3 1 1 1 1 1				<b> </b>			
SUPPLY ADJU					<u> </u>	<u> </u>		-								
					1	. 1	1			1						

								Wantania Ware	. b. lile	in and							As Of Date	06/30/07
	GPM	24 Hrs	2/3	2/3 of 2/3	EUP ****	Last 12 Mos	MAV Use	Molokai - Avail		Subtotal Remaining Capacity Standards	Subtotal Remaining Capacity Interim	Subtotal Remaining Capacity Historical	Reserved	DHHL Not DWS Sys	Sub'd Apprv'd Not Issued	Remaining Capacity Standards	Remaining Capacity Interim Standard	Remai Cap Histo Me
										(2/3 of 2/3 - MAV)	(2/3-(MAV +0.15))	(2/3-MAV)				(2/3 of 2/3 - MAV)	(2/3-(MAV +0.15))	(2/3
aunakakai - k					540 000	050 057 000	707.007	814,002	1 1 1 1 1 1 1 1 1									
Kualapuu* Kawela**	800 300	1,152,000 432,000	768,000 288,000	512,000 192,000	516,000 330,000	258,357,000 97,709,000	707,827 267,696	307,850										
rativesa	300	402,000	200,000	702.000		2.1.40144											077.000	***
		1,584,000	1,056,000	704,000	846,000	356,066,000	975,523	1,121,852		-271,523	66,852	80,477	-1.200	Ö	0	-270,323	-67,052	79
					L													
argest Pump (				HL system, so th											<u> </u>			
		Kawela capaci	y includes larg	gest pump out for	that side, beca	ause Kawela has	a backup pun	np of same size										
	0011		0/0	2/3 of 2/3	Terro ****	Last 12 Mos	MAV Use	MAV + 15%										
***************************************		24 Hrs	<b>2/3</b> 480,000	2/3 of 2/3 320,000	185,000	<b></b>	307.767	<u> </u>		12.233	126,068	172,233	0	0	0	12,233	126,068	17
Jalapue	500	720,000	400,000	320,000	100,000	112,000,000	307,767	330.800		1 600, 800 507 507								Kiri i i
argest Pump (	Out	Ualapue has a	back up pumi	o so amount listed	already repre	sents largest pun	p out											
									<u> </u>									······································
***	GUD etres	e for Evietice I	lea Pormite al	ready issued from	the adulture in	l n which those well	s are situator	1	<b>_</b>									
	LUI Stall	O OF CASHING L	oc i cilinis di	Carry INDUCTION		TO MARK OF ROOM 18500	LITO OMERCION											
				& DY = 5 MGD	***************************************										-			
:	Owner / U				EUP **** 0.367	Remaining		DHHL Note: Undating U	Per State Wa	iter Projects Plan ction with DHHL's nev	w Molokai Island Pla	n SWPP does s	how identical a	mouints in 2003.20	005,2010,2015			
		te Department te Department		DHHL#1 DHHL#2	0.367			USE Updating C	pants a consci	1	2005	2010	2015	2020				***************************************
		te Department		Reservation	2.905	İ		Dept of Ed for HI			2700	2,700		2,700				
	Kaluakoi L			Well # 17	1.018			Hoolehua Ag lots			22870 548930	22,870 548,930	22,870 548,930	22,870 548,930	Non Potable			
		ty Department		Kualapuu Mauka Walkalae Tunnel	0,516 0,036			Hoolehua Ag lots - Non-Potable Hoolehua Other			5400	5,400	5,400	5,400				
	IVIAUI COUI	ty Department	1009-01	VVAIRALOIS (GIBIS)				Hoolehuea Resid	lential Lots - Ur	ait 1	12000	12,000	12,000	12,000				
					4.842	0.158		Hoolehua Reside	ntial Lots - Uni	12	36000	36,000	36,000 8,400	36,000 8,400				
			ttaa Daamita	CV P DV - E B	100	ļ		Kalamaula Kalamaula Comr	nercial	MANUT AND	8400 3840	8,400 3,840	3.840	3,840				••••••••••
	Kaweia Aquifer Existing Use Permits - SY & DY = Owner / User Well No. Name		Name	EUP **** Remaining			Kalamaula Residential Lots			74400	74,400	74,400	74,400		***************************************			
	Curtis, Dav		0352-10	Kamalo-Curlis	0.012	•						W4 4 F 40	774 3 27 3 27	714,540	Twist			
	Granger, F			Johnson # 0	0.016		<b></b>				714,540	714,540	714,540	/14,040	1 Otels			***************************************
	Inouve, Sh	William Sr.		Kawela laea # 3 Shige's Farm	0.004			<b>.</b>			165.610	165,610	165,610	165,610	Potable	***************************************		
	Kaunakua			Kanukuawa Rand	0.017									***************************************	<u> </u>			
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		antation Home		Breadfruit Well	0.285										4			
		antation Home	0457-04 0456-09		0.000			<b>.</b>	+								***************************************	
		antation Homeo		DW # 2	0.000			<b></b>	-	1								
		antation Home		DW # 3	0.000								1 10 10 10 10					
	Maui Cour	ity Department	0457-01	Kawela Shaft	0.330			eta a la				·····	1				<u> </u>	
		rvey (was Bosi		Bostwick Well 1	0.045				1				+		1			İ
	T.T. Meye T.T. Meye			Meyer Inc. # 1 Meyer Inc. # 2	0.029 0.040		<del>                                     </del>	1					ta e					
	T.T. Meye			Meyer Inc. # 4	0.005		<b>†</b>	1	1					<u> </u>				<u> </u>
	1					-				1								
					0.8	4,2	-		+				<del> </del>					
	Hatante	Coulfor Cuinste	a lice Dermi	s - SY & DY = 8 I	MGD		<b></b>						<del>                                     </del>					
	Owner / U	****		Name	EUP ****	Remaining												
	HSPA		0448-01	Maputehu Shaft	# 0.003								L		-			
		Research, Ltd.		Manawai # 1	0,015	<del>~\$~</del> ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			-				-				-	
	Kerner, G Mahealani			Mapulehu Shaft Kamalo	0.007								<b> </b>	·····				
	Manealani Manaba, (			Keawanui Salt	0.010													ļ
······································		ity Department		Ualapue Shaft	0.185													<b> </b>
	Oceanic I	nstitute	0350-09	Oceanic Institute	0.750								1					<b></b>
		ay & Francis		Puko o Farm	0.003		<b></b>			-	<u> </u>		<del> </del>	<del></del>	+			<del> </del>
***************************************	3 Ontro. Day	ul Friel		Mapulehu Tunne			<b>.</b>						+	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<del></del>		1	
		3	MARK NA	Bloom along the second	ω∦ n.nne													
	Shephard Urauchi, J			Kaluaaha-Sheph Urauchi # 1	0.008		-											