HUI O PIKOILOA, an unincorporated association, LIAND USE COMMISSION, LIAND USE COMMISSION, LIAND USE COMMISSION STATE OF HAWAIT JULIANNE MCCREEDY, JESSE REAVIS, and GRANT YOSHIMORI c/o 45-464 Lipalu Street Kaneohe, HI 96744 Telephone No.: (808) 236-0502

INTERVENORS PRO SE

BEFORE THE LAND USE COMMISSION

OF THE STATE OF HAWAII

IN THE MATTER OF:)	DOCKET NO. A17-804
) HAWAIIAN MEMORIAL LIFE PLAN, LTD.,) a Hawaii Corporation)	INTEVENOR'S AMENDED LIST OF EXHIBITS; EXHIBIT 15; CERTIFICATE
To Amend The Conservation Land Use District) Boundary Into The Urban Land Use District) For Approximately 53.449 Acres Of Land At) Kāne'ohe, Island of Oahu, State of Hawai'i,) Tax Map Key: (1) 4-5-003:por.001)	OF SERVICE

AMENDED LIST OF EXHIBIT

EXHIBIT 15

DATED: Honolulu, Hawaii, June 8, 2020.

GRANT YOSHIMORI, ET. AL.

Intervenors

LAND USE COMMISSION

DOCKET NO./PETITIONER: A17-804/HAWAIIAN MEMORIAL LIFE PLAN, LTD.

PARTY: GRANT YOSHIMORI ET. AL.

AMENDED LIST OF EXHIBITS

EXHIBIT NUMBER	DESCRIPTION	PARTY: OBJECTIONS	ADMIT
1	Online Petition and Electronic Signatures and Comments		
2	Signed Petition of Individuals Opposing Project		
3	Resume of Dana Alden, Ph.D.		
4	Resume of Winston Welch		
5	Resume of Nathan Yuen		
6	Resume of Steven Businger, Ph.D.		
7	Letter from Councilmember Kymberly Pine to Daniel Orodenker and Kathy Sokugawa dated September 24, 2019		
8	Letter from Administrator David Smith to Ronald Sato dated October 31, 2018		
9	Resume of M. Lee Goff, Ph.D.		
10	Excerpts from Federal Register Volume 77, No. 181		

LAND USE COMMISSION

DOCKET NO./PETITIONER: A17-804/HAWAIIAN MEMORIAL LIFE PLAN, LTD.

PARTY: GRANT YOSHIMORI ET. AL.

AMENDED LIST OF EXHIBITS

EXHIBIT NUMBER	DESCRIPTION	PARTY: OBJECTIONS	ADMIT
11	Resume of John Higham		
12	Hawaii Business Article: The Cost of Dying https://www.hawaiibusiness.com/the-cost-of-dying/		
13	CBS News Article: A buried problem at country's top funeral home chain?		
14	Resume of Ken Middleton		
15	Intervenor Analysis of CBRE Market Study (6/8/2020)		
16			
17			
18			
19			
20			

CBRE Market Study* Review

Intervenors concluded the following:

- 1) Casket burials projection overstated by 30,549 plots
- 2) Ash burials projection overstated by 12,660 plots
- 3) Burial supply understated by 4,500 plots
- 4) Burial demand overstated by assuming one urn/casket per plot

By adjusting for the above, the projection of Oahu burial plots needed through 2040 is **REDUCED** with :

- Scenario 1 (minimum demand) has a SURPLUS of 59,093 of plots.
- Scenario 2 (maximum demand) has a SURPLUS of 36,181 of plots.

* CBRE Market Study (EIS Appendix B)

1) Casket burials projection overstated by 30,549 plots

Table from CBRE Study Page 34

This table summarizes CBRE's Estimated Oahu Burial Needs thru 2040.

There is an error in the projected number of buried caskets needed. The amount is overstated. Corrected value in red.

CBRE's Need is overstated by 30,549 Plots

OR NON-VETER	RAN CEMETERY	INTERMENTS O	N OAHU 2018	THROUGH 204	0	
2018-2020	2021-2025	2026-2030	2031-2035	236-2040	Totals	
13,694	25,434	29,110	33,260	37,778	139,275	Buried Urns
9,490	16,160	16,500	16,675	16,578	75,402	44,853 Buried Caskets
23,184	41,594	45,609	49,935	54,355	214,678	Total Burials
(6,600)	(11,000)	(11,000)	(11,000)	(10,400)	(50,000)	Less pre-bough
(382)	(673)	(723)	(775)	(829)	(3,383)	Veterans, off-is
(1,500)	(2,500)	(3,750)	(3,750)	(5,000)	(16,500)	veteruns, on is
30	50	50	50	50	230	1
14,732	27,471	30,186	34,460	38,176	145,025 1	- 14,475 ESTIMATED PL
	2018-2020 13,694 9,490 23,184 (6,600) (382) (1,500) 30	2018-2020 2021-2025 13,694 25,434 9,490 16,160 23,184 41,594 (6,600) (11,000) (382) (673) (1,500) (2,500) 30 50	2018-2020 2021-2025 2026-2030 13,694 25,434 29,110 9,490 16,160 16,500 23,184 41,594 45,609 (6,600) (11,000) (11,000) (382) (673) (723) (1,500) (2,500) (3,750) 30 50 50	2018-2020 2021-2025 2026-2030 2031-2035 13,694 25,434 29,110 33,260 9,490 16,160 16,500 16,675 23,184 41,594 45,609 49,935 (6,600) (11,000) (11,000) (11,000) (382) (673) (723) (775) (1,500) (2,500) (3,750) (3,750) 30 50 50 50	2018-20202021-20252026-20302031-2035 $x36-2040$ 13,69425,43429,11033,26037,7789,49016,16016,50016,67516,57823,18441,59445,60949,93554,355(6,600)(11,000)(11,000)(11,000)(10,400)(382)(673)(723)(775)(829)(1,500)(2,500)(3,750)(3,750)(5,000)3050505050	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

1) Casket burials projection overstated by 30,549 plots

PROJECTION OF NET DEMAND F	OR NON-VETER	RAN CEMETERY	INTERMENTS O	N OAHU 2018	THROUGH 204	0
TOTAL BURIALS DEMAND	2018-2020	2021-2025	2026-2030	2031-2035	2036-2040	Totals
Scenario One: Miminum Demand (Table 2)						
Projected Number of Interred Cremations	13,694	25,434	29,110	33,260	37,778	139,275
Projected Number of Burials	9,490	16,160	16,500	16,675	16,578	75,402
Total Interments	23,184	41,594	45,609	49,935	54,355	214,678
Less Burial Spaces Purchased and Previously Unused (1)	(6,600)	(11,000)	(11,000)	(11,000)	(2 0,400)	(50,000)
Less Veterans Interred at Veterans Cemeteries	(382)	(673)	(723)	(775)	(829)	(3,383)
Less Oahu Residents Interred on Other Islands (2)	(1,500)	(2,500)	(3,750)	(3,750)	(5,000)	(16,500)
Plus Allowances for Off-Shore Persons Being Buried on Oahu (Ten Per Year)	30	50	50	50	50	230
Total Periodic Net Demand for Additional Burial Spaces On Oahu CBRE — Page 34	14,732	27,471	30,186	34,460	38,176	145,025

ESTIMATE OF TOTAL OAHU CREMATIONS INTERRED 2018 THROUGH 2040 CREMATION BURIALS Scenario One: Minimum Demand

Year	Total Deaths	Total Annual Cremations (1)	Ashes Are Scattered (2)	Other Forms of Disposal (3)	Total Interred Cremations
2018	8,085	5,821	(1,048)	(323)	4,450
2019	8,212	5,966	(1,074)	(328)	4,564
2020	8,342	6,115	(1,101)	(334)	4,680
2021	8,492	6,281	(1,131)	(340)	4,811
2022	8,646	6,452	(1,161)	(346)	4,945
2023	8,802	6,628	(1,193)	(352)	5,083
2024	8,961	6,808	(1,225)	(358)	5,224
2025	9,126	6,996	(1,259)	(365)	5,372
2026	9,282	7,179	(1,292)	(371)	5,516
2027	9,440	7,367	(1,326)	(378)	5,664
2028	9,601	7,561	(1,361)	(384)	5,816
2029	9,765	7,759	(1,397)	(391)	5,972
2030	9,950	7,977	(1,436)	(398)	6,143
2031	10,119	8,186	(1,473)	(405)	6,308
2032	10,292	8,400	(1,512)	(412)	6,477
2033	10,467	8,621	(1,552)	(419)	6,650
2034	10,646	8,846	(1,592)	(426)	6,828
2035	10,806	9,060	(1,631)	(432)	6,997
2036	10,979	9,289	(1,672)	(439)	7,177
2037	11,155	9,522	(1,714)	(446)	7,362
2038	11,334	9,762	(1,757)	(453)	7,552
2039	11,516	10,008	(1,801)	(461)	7,746
2040	11,694	10,254	(1,846)	(468)	7,940
Totals	225,711	180,858	(32,555)	(9,028)	139,275

This table used to calculate cremation burials

2st Column: Total Deaths 3rd Column: Cremations as a % of Deaths (72% with .9% annual increase) 4th Column: Less Ashes scattered 5th Column: Less other ash methods Results in Total Interred Cremations (i.e. the remaining ashes needing to be buried)

That is carried to top: TOTAL NUMBER OF CREMATION TO BURY

CBRE – Page 29

Casket burials projection overstated by 30,549 plots 1) PROJECTION OF NET DEMAND FOR NON-VETERAN CEMETERY INTERMENTS ON OAHU 2018 THROUGH 2040

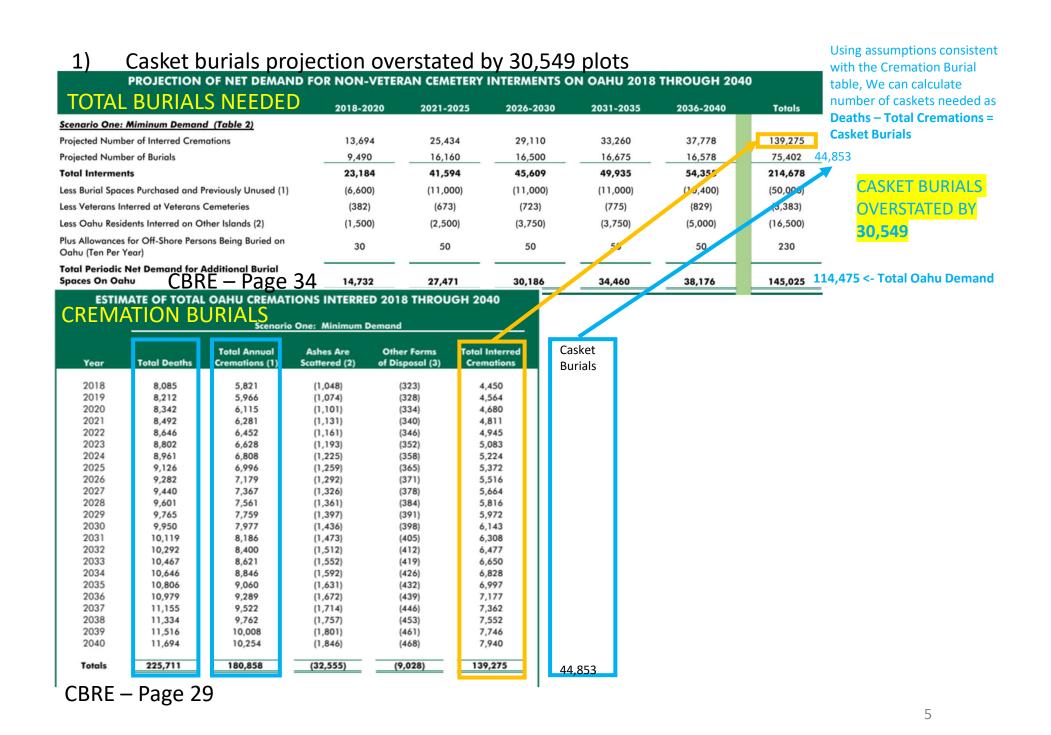
PROJECTION OF NET DEMAND FOR NON-VETERAN CEMETERY INTERMENTS ON OAHU 2018 THROUGH 2040							
TOTAL BURIALS NEEDED	2018-2020	2021-2025	2026-2030	2031-2035	2036-2040	Totals	
Scenario One: Miminum Demand (Table 2)							
Projected Number of Interred Cremations	13,694	25,434	29,110	33,260	37,778	139,275	
Projected Number of Burials	9,490	16,160	16,500	16,675	16,578	75,402	
Total Interments	23,184	41,594	45,609	49,935	54,355	214,678	
Less Burial Spaces Purchased and Previously Unused (1)	(6,600)	(11,000)	(11,000)	(11,000)	(20,400)	(50,000)	
Less Veterans Interred at Veterans Cemeteries	(382)	(673)	(723)	(775)	(829)	(3,383)	
Less Oahu Residents Interred on Other Islands (2)	(1,500)	(2,500)	(3,750)	(3,750)	(5,000)	(16,500)	
Plus Allowances for Off-Shore Persons Being Buried on Oahu (Ten Per Year)	30	50	50	55	50	230	
Total Periodic Net Demand for Additional Burial Spaces On Oahu CBRE - Page 34	14,732	27,471	30,186	34,460	38,176	145,025	

CBRE calculated casket burials using assumptions inconsistent with those used in the cremation burial calculations.

CBRE – Page 34 ____14,732 ESTIMATE OF TOTAL OAHU CREMATIONS INTERRED 2018 THROUGH 2040

ESTIMATE OF TOTAL BURI/ LS ON OAHU 2018 THROUGH 2040

REMA	ATION B	URIALS Scenari	o One: Minimum I	Demand			Scenario One: M	Ainium Jemand	CA	Scenario Two: Ma	
		Total Annual	Ashes Are	Other Forms	Total Interred	Year	Total Deaths	Number of Burials (1)		Total Deaths	Number of Burials (2)
Year	Total Deaths	Cremations (1)	Scattered (2)	of Disposal (3)	Cremations	0010	0.005	0.150		0.1.47	0 (70
2018	8,085	5,821	(1,048)	(323)	4,450	2018	8,085	3,150		8,147	2,672
2019	8,212	5,966	(1,074)	(328)	4,564	2019	8,212	3,164		8,340	2,726
2020	8,342	6,115	(1,101)	(328)	4,680	2020	8,342	3,177		8,537	2,781
2021	8,492	6,281	(1,131)	(340)	4,811	2021	8,492	3,196		8,738	2,837
2022	8,646	6,452	(1,161)	(346)	4,945	2022	8,646	3,215		8,944	2,894
2023	8,802	6,628	(1,193)	(352)	5,083	2023	8,802	3,233		9,156	2,951
2023	8,961	6,808	(1,225)	(358)	5,224	2024	8,961	3,250		9,372	3,010
2024	9,126	6,996	(1,259)	(365)	5,372	2025	9,126	3,267		9,593	3,070
2025	9,282	7,179	(1,292)	(371)	5,516	2026	9,282	3,279		9,819	3,131
2027	9,440	7,367	(1,326)	(378)	5,664	2027	9,440	3,290		10,051	3,193
2028	9,601	7,561	(1,361)	(378)	5,816	2028	9,601	3,300		10,288	3,256
2029	9,765	7,759	(1,397)	(391)	5,972	2029	9,765	3,309		10,531	3,320
2029	9,950	7,977	(1,436)	(398)	6,143	2030	9,950	3,322		10,780	3,385
2030	10,119	8,186	(1,430)	(405)	6,308	2031	10,119	3,329		11,034	3,452
2031	10,292	8,400	(1,512)	(403)	6,477	2032	10,292	3,334		11,295	3,519
2032	10,467	8,621	(1,552)	(412)	6,650	2033	10,467	3,338		11,561	3,588
2033	10,646	8,846	(1,592)	(419)	6,828	2034	10,646	3,340		11,834	3,658
2034	10,806	9,060	(1,631)	(428)	6,997	2034	10,806	3,334		12,114	3,729
2035	10,979	9,289	(1,672)	(432)	7,177						
2038	11,155	9,522	(1,714)	(446)	7,362	2036	10,979	3,330		12,400	3,801
2037	11,334	9,762	(1,757)		7,552	2037	11,155	3,325		12,692	3,874
2038	11,516	10,008		(453)	7,746	2038	11,334	3,318		12,992	3,949
2039			(1,801)	(461)		2039	11,516	3,309		13,299	4,025
2040	11,694	10,254	(1,846)	(468)	7,940	2040	11,694	3,296		13,612	4,102
otals	225,711	180,858	(32,555)	(9,028)	139,275	Totals	225,711	75,402		245,130	76,924
RF -	– Page 2	Q				J Total B	urial 75,4	02			
	•						remation <u>180.8</u>			CRKI	E-Page (
	PROOF OF E	RROR: Adding	total burials to	total crematic	ns						4
		EATHS (i.e. mo				Total D	eaths 256,2	60			



CREMATION BURIALS Scenario One: Minimum Demand								
Year	Total Deaths	Total Annual Cremations (1)	Ashes Are Scattered (2)	Other Forms of Disposal (3)	Total Interred Cremations			
2018	8,085	5,821	(1,048)	(323)	4,450			
2018	8,212	5,966	(1,048)	(328)	4,564			
2020	8,342	6,115	(1,101)	(334)	4,680			
2020	8,492	6,281	(1,131)	(340)	4,811			
2021	8,646	6,452	(1,131)	(346)	4,945			
2022	8,802	6,628	(1,193)	(340)	5,083			
2023	8,961	6,808	(1,225)	(358)	5,224			
2024	9,126	6,996	(1,223)	(365)	5,372			
2025	9,282	7,179	(1,292)	(371)	5,516			
2028	9,282	7,367						
2027	9,440	7,561	(1,326)	(378)	5,664			
2028	9,765		(1,361)	(384)	5,816			
2029		7,759	(1,397)	(391)	5,972			
2030	9,950	7,977	(1,436)	(398)	6,143			
	10,119	8,186	(1,473)	(405)	6,308			
2032	10,292	8,400	(1,512)	(412)	6,477			
2033	10,467	8,621	(1,552)	(419)	6,650			
2034	10,646	8,846	(1,592)	(426)	6,828			
2035	10,806	9,060	(1,631)	(432)	6,997			
2036	10,979	9,289	(1,672)	(439)	7,177			
2037	11,155	9,522	(1,714)	(446)	7,362			
2038	11,334	9,762	(1,757)	(453)	7,552			
2039	11,516	10,008	(1,801)	(461)	7,746			
2040	11,694	10,254	(1,846)	(468)	7,940			
Totals	225,711	180,858	(32,555)	(9,028)	139,275			
			(45,215) : lı	ncrease by 12,66	0			

2) Ash burials projection overstated by 12,660 plots

ESTIMATE OF TOTAL OAHU CREMATIONS INTERRED 2018 THROUGH 2040

(1) Projected to follow trends of last five years of 0.9% growth in percent total deaths ending in cremations on going-forward basis. Currently at 72 percent of total deaths.

(2) Estimated 39% of decedents cremated nationally request this but only about 35% estimated actualized. Hawaii, owing to its Asian cultural components, has higher percentage of cremations and interrs a much higher percentage. We estimate 18% of Hawaii cremations have ashes scattered, one-half national average.

(3) Includes urns kept at home or other location. Estimated 10% of decedents nationally request this, with estimated 8% actualized. Again we estimate Hawaii at on-half the national average.

Compiled by CBRE/Hallstrom Team

However, intro paragraph says : "Scenario One, resulting in

cremations

minimum burial space demand, estimated that 25 percent of Oahu cremations result in a scattering of ashes and four percent are otherwise disposed." And, nationally 35 percent scatter ashes.

Cremation Burial table

calculated scattered

Cremations as 18% of

Correcting scatter rate from 18% To 25% (per Page 29) increases scattering, thus reducing Cremation Burials by 12,660.

CBRE-Page 29

3) Burial supply understated by 4,500 plots

SURIAL SUPPLY	Combined Burial Plots, Crypts and Niche Spaces					
Cemetery	Existing Available	Currently Proposed	Total Availalble and Proposed			
Diamond Head Memorial Park	1,300	0	1,300			
Nuuanau Memorial Park	700	0	700			
Dahu Cemetery	700	0	700			
Valley of the Temples Memorial Park	9,700	46,000	55,700			
Mililani Memorial Park	3,800	19,000	22,800			
Laie Cemeteries	300	0	300			
Hawaii Kai Cemetery (Proposed) (1)	0	24,000	24,000			
RE – Page 37 TOTALS	16,500	89,000	105,500			

AVIALUA POTIMATER TOTAL EVICTIMO AND PROPOSER CURRIN OF

This table calculates Supply, but per the EIS, Section 2.1.2.1, as of April 2018, "about 4,500 plots) remain available for the public" at HMP

Adding HMP's 4/2018 Unsold plots adds 4,500 to supply.

7

SUMMARY OF EFFECTS – Scenario #1 (Minimum Demand)

PROJECTION OF POTENTIAL SUBJECT PLOT ABSORPTION USING THE RESIDUAL METHOD BASED ON ESTIMATED EXISTING AND PROJECTED SHORTAGE PROPOSED PLOTS IN MAJOR OAHU CEMETERIES 2018 THROUGH 2040

Segment	2018-2020	2021-2025	2026-2030	2031-2035	2036-2040	TOTALS
1. Minimum Demand						
Assumed Supply of Burial Plots, Crypts and Cremation Niches Major Cemeteries	13,761	22,935	22,935	22,935	22,935	110,000 105,500
Oahu Net Burial Spaces Demand	14,732	27,471	30,186	34,460	38,176	101,816 145,025
Shortage or (Excess) Supply	971	4,536	7,252	11,525	15,241	<u>(8,184)</u> <u>39,525</u>
Potential Residual Subject Minimum Demand	071	1.50/	7.050	11 505	10.041	
at 100% Capture Rate at 95% Capture Rate CBRE-Page	40 ⁹⁷¹	4,536 4,309	7,252 6,889	11,525 10,749	15,241 14,479	39,525 37,549

Scenario #1	Original	Discrepancy	Adjusted
Assumed Supply	105,550		110,000
3) HMP's Unsold Plots		+4,500	
Oahu Net Burial Demand	145,025		101,819
1) Casket Burial overstated		-30,549	
2) Ash Burials Overstated		-12,660	
Shortage or (<mark>Excess</mark>) Supply in 2040	39,525		(<mark>8,184</mark>)

 Burial demand overstated by assuming one urn/casket per plot If we assume 2 urns/caskets per plot, would further reduce demand by HALF!
Excess Supply would be (59,093).

SUMMARY OF EFFECTS Scenario #2 (Maximum Demand)

Scenario #1 was the "minimum perspective"

Scenario #2 assumed greater population growth, higher death rate, lower cremation growth rate (.45% vs .9%), and a lower ash scattering rate (12% vs. 18%) than Scenario #1

ROJECTED SHORTAGE						
2. Maximum Demand						
Assumed Supply of Burial Plots, Crypts and Cremation Niches Major Cemeteries	13,761	22,935	22,935	22,935	22,935	110, 105,500 147 ,
Oahu Net Burial Spaces Demand	15,128	29,338	33,841	40,367	47,120	165,795
Shortage or (Excess) Supply	1,367	6,403	10,907	17,432	24,186	<u>37,</u> 60,295
Potential Residual Subject Minimum Demand at 100% Capture Rate at 95% Capture Rate	1,367 1,298	6,403 6,083	10,907 10,361		24,18% 22,976	60,275 57,280
CBRE-Page 40						
Scenario #2			Original	Discrepancy	Adjusted	
Assumed Supply			105,550		110,000	
3) HMP's Unsold Plots				+4,500		
Oahu Net Burial Dema	Oahu Net Burial Demand		165,795		147,638	
1) Casket Burial overstated				-18,157		
						1
Shortage or (Excess)	Supply in 2040)	60,295		37,638	

 Burial demand overstated by assuming one urn/casket per plot If we assume 2 urns/caskets per plot, would further reduce demand by HALF!
Excess Supply would be (36,181).

CBRE Market Study* Review

Petitioner states that the District Boundary Amendment is required because Oahu cemetery supply will not meet demand through year 2040, saying:

"With a future projected demand of between 145,030 and 165,800 burial spaces needed, the likely inventory of between 85,100 to 109,100 spaces would be significantly short of adequately meeting this demand." - EIS Page 2-14

However, correcting for discrepancies in study, in both Scenario 1 or Scenario 2, current supply can accommodate Oahu's needs thru 2040 and beyond

	Projected Cemetery Plot Shortage (Excess)	Adjusted Cemetery Plot Shortage (Excess)	
Scenario #1	39,525	(59,093)	
Scenario #2	60,295	(36,181)	

HUI O PIKOILOA, an unincorporated association, LIANNE CHING, BETTYE HARRIS, RICHARD MCCREEDY, JULIANNE MCCREEDY, JESSE REAVIS, and GRANT YOSHIMORI c/o 45-464 Lipalu Street Kaneohe, HI 96744 Telephone No.: (808) 236-0502

INTERVENORS PRO SE

BEFORE THE LAND USE COMMISSION

OF THE STATE OF HAWAII

IN THE MATTER OF: ()	DOCKET NO. A17-804
) HAWAIIAN MEMORIAL LIFE PLAN, LTD.,) a Hawaii Corporation	CERTIFICATE OF SERVICE
To Amend The Conservation Land Use District) Boundary Into The Urban Land Use District) For Approximately 53.449 Acres Of Land At) Kāne'ohe, Island of Oahu, State of Hawai'i,) Tax Map Key: (1) 4-5-003:por.001)	

CERTIFICATE OF SERVICE

I hereby certify that due service of a copy of the within document was made by

depositing the same with the U. S. mail, postage prepaid, or by hand delivery, on June 8, 2020,

addressed to:

BY HAND DELIVERY

MARY ALICE EVANS Director Office of Planning, State of Hawaii 235 S. Beretania St. 6th Floor Honolulu, Hawaii 96813

DAWN TAKEUCHI-APANA, ESQ. Deputy Attorney General Department of the Attorney General 425 Queen Street Honolulu, Hawaii 96813

KATHY K. SOKUGAWA Acting Director City and County of Honolulu Department of Planning and Permitting 650 South King Street Honolulu, Hawaii 96813

PAUL S. AOKI, ESQ. Acting Corporation Counsel Office of the Corporation Counsel City and County of Honolulu 530 South King Street, Room 110 Honolulu, Hawaii 96813

BENJAMIN MATSUBARA, ESQ Matsubara, Kotake & Tabata 888 Mililani Street, Suite 308 Honolulu, Hawaii 96813

DATED: Honolulu, Hawaii, June 8, 2020.

BY HAND DELIVERY

BY HAND DELIVERY

BY HAND DELIVERY

BY HAND DELIVERY

GRANT YOSHIMORI, ET. AL.

Intervenors