ALAN M. ARAKAWA
Mayor

STEWART STANT
Director

MICHAEL M. MIYAMOTO
Deputy Director

MICHAEL P. RATTE
Solid Waste Division

ERIC NAKAGAWA, P.E.
Wastewater Reclamation Division

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COUNTY OF MAUI
DEPARTMENT OF
ENVIRONMENTAL MANAGEMENT
2050 MAIN STREET, SUITE 2B
WAILUKU, MAUI, HAWAII 96793

November 22, 2016

Honorable Alan M. Arakawa
Mayor, County of Maui
200 South High Street
Wailuku, Hawaii 96793

APPROVED FOR TRANSMITTAL
Mayor 11/22/16 Date

For Transmittal to:

Honorable Elle Cochran
Chair, Infrastructure and Environmental Management Committee
Maui County Council
200 South High Street
Wailuku, Hawaii 96793

Dear Chair Cochran:

SUBJECT: POLYSTYRENE DISPOSABLE FOOD SERVICE CONTAINERS (IEM-5)

The County is in receipt of the above Infrastructure and Environmental Management (IEM) Committee requested information dated November 4, 2016. The information requested is attached. The source of the information is the Hawaii Department of Health.

Thank you for this request and we look forward to discussing this subject.

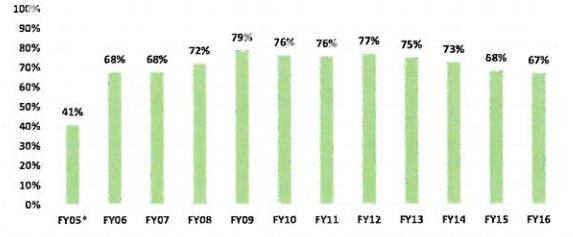
Sincerely,

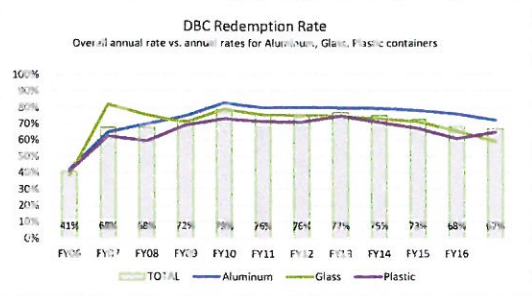
STEWART STANT
Director, Department of Environmental Management

	Redemption Rate	REDEEMED	SOLD	DBCs REDEEMED					DBCs SOLD					Redemption Rate, by DBC material type			
				Aluminum	BM	Glass	Plastic	Total	Aluminum	BM	Glass	Plastic	Total	Aluminum	BM	Glass	Plastic
FY05*	41%	208,019,434	510,035,588	104,332,358	162,277	50,754,239	52,770,560	208,019,434	248,332,180	130,874	133,028,949	128,543,585	510,035,588	42%	124%	38%	41%
FY06	68%	628,818,330	930,353,658	305,505,271	665,932	153,889,934	168,757,194	628,818,330	470,919,927	1,168,686	187,681,763	270,583,281	930,353,658	65%	57%	82%	62%
FY07	68%	632,645,044	936,412,347	304,916,891	856,403	147,096,713	179,775,037	632,645,044	436,800,585	2,218,593	195,170,417	302,222,752	936,412,347	70%	39%	75%	59%
FY08	72%	682,212,178	947,692,357	324,505,051	1,224,448	145,849,296	210,633,382	682,212,178	434,228,283	1,831,437	206,201,910	305,430,727	947,692,357	75%	67%	71%	69%
FY09	79%	705,156,511	895,737,097	339,507,468	1,178,324	147,512,695	216,958,024	705,156,511	410,428,145	1,760,236	186,735,395	296,813,320	895,737,097	83%	67%	79%	73%
FY10	76%	686,392,140	901,861,628	329,896,576	1,148,000	139,164,876	216,182,688	686,392,140	413,119,202	1,960,114	184,071,138	302,711,174	901,861,628	80%	59%	76%	71%
FY11	76%	686,858,759	907,119,634	320,666,518	1,215,545	131,501,238	233,475,458	686,858,759	400,268,840	2,837,545	174,959,393	329,053,856	907,119,634	80%	43%	75%	71%
FY12	77%	697,258,978	907,093,351	313,252,638	1,568,633	130,135,673	252,302,035	697,258,978	393,154,023	1,624,786	174,088,918	338,225,624	907,093,351	80%	97%	75%	75%
FY13	75%	683,629,206	911,769,037	305,883,049	1,897,858	126,279,141	249,569,158	683,629,206	384,629,168	1,832,838	172,751,485	352,555,546	911,769,037	80%	104%	73%	71%
FY14	73%	677,539,343	933,728,372	308,997,801	2,032,232	118,616,605	247,892,704	677,539,343	395,586,889	1,618,510	166,419,727	370,103,246	933,728,372	78%	126%	71%	67%
FY15	68%	652,243,406	958,569,528	303,574,280	2,033,889	110,144,608	236,490,629	652,243,406	399,406,091	1,923,134	168,521,304	388,718,999	958,569,528	76%	106%	65%	61%
FY16	67%	635,064,319	949,236,813	295,710,723	1,968,545	103,637,415	233,747,636	635,064,319	410,091,701	2,403,192	175,403,597	361,338,323	949,236,813	72%	82%	59%	65%
TOTAL	71%	7,575,837,649	10,689,609,410	3,556,748,625	15,952,086	1,504,582,432	2,498,554,505	7,575,837,649	4,796,965,035	21,309,945	2,125,033,996	3,746,300,434	10,689,609,410				

FY05* Deposit fee was collected on DBCs beginning October 2004 through June 2005

FY05 redemptions began January 1, 2005
Total FY05 redemptions represent the 6 month period from January 1 - June 30, 2005





Hawaii Deposit Beverage Container Program Statistics
FY16 (Jul 15 - Jun 16)

STATE

State of Hawaii: Number of Containers *Redeemed*

	FY16	Aluminum	Bimetal	Glass	Plastic	Total
2015	Jul	27,326,362	185,925	9,109,850	22,224,259	58,846,396
	Aug	27,451,904	177,267	9,364,222	22,939,544	59,932,937
	Sep	23,771,564	152,537	8,194,783	19,549,539	51,668,424
	Oct	24,835,697	161,185	8,631,101	20,313,826	53,941,810
	Nov	22,367,695	149,431	7,978,315	17,616,775	48,112,216
	Dec	25,417,127	152,532	8,924,933	19,422,261	53,916,853
2016	Jan	25,652,534	159,970	9,187,635	19,266,666	54,266,805
	Feb	21,567,552	154,290	7,961,366	16,542,376	46,225,585
	Mar	23,627,443	158,776	8,479,992	18,323,057	50,589,268
	Apr	23,892,236	177,228	8,539,008	18,602,897	51,211,369
	May	24,027,918	175,500	8,522,897	18,844,389	51,570,704
	Jun	25,772,690	163,904	8,747,015	20,102,047	54,785,657
	Total	295,710,723	1,968,545	103,641,119	233,747,636	635,068,023

State of Hawaii: Number of Containers Sold

	FY16	Aluminum	Bimetal	Glass	Plastic	Total
2015	Jul	33,741,585	174,103	15,273,229	36,342,833	85,531,750
	Aug	32,221,628	200,848	13,112,160	38,027,204	83,561,840
	Sep	34,969,629	246,692	21,585,814	26,607,132	83,409,267
	Oct	44,458,511	138,112	13,041,739	24,215,614	81,853,976
	Nov	31,808,149	104,111	13,744,940	26,701,645	72,358,845
	Dec	38,027,184	275,336	17,442,357	30,774,704	86,519,581
2016	Jan	29,117,797	171,796	11,684,393	27,473,064	68,447,050
	Feb	29,475,738	165,382	12,863,819	27,633,081	70,138,020
	Mar	33,856,561	201,934	14,534,554	31,513,972	80,107,021
	Apr	30,066,942	171,488	12,993,356	30,138,108	73,369,894
	May	30,446,490	286,792	13,837,755	30,450,851	75,021,888
	Jun	41,901,487	266,598	23,995,268	22,754,328	88,917,681
	TOTALS	410,091,701	2,403,192	184,109,384	352,632,536	949,236,813

COUNTY - KAUAI

Kauai County: Number of Containers Redeemed

	FY16	Aluminum	Bimetal	Glass	Plastic	Total
2015	Jul	2,082,025	22,107	444,160	1,540,380	4,088,671
	Aug	2,165,393	19,751	832,941	1,618,212	4,636,298
	Sep	1,615,739	16,144	635,896	1,199,616	3,467,395
	Oct	1,436,493	13,145	563,902	1,024,702	3,038,242
	Nov	1,473,012	16,555	624,842	1,042,262	3,156,671
	Dec	1,731,380	11,336	727,746	1,200,948	3,671,411
2016	Jan	1,743,743	17,154	701,288	1,216,804	3,678,989
	Feb	1,402,349	12,789	614,631	954,850	2,984,620
	Mar	1,591,843	17,294	668,591	1,072,618	3,350,346
	Apr	1,652,920	16,778	716,861	1,155,266	3,541,826
	May	1,696,948	19,489	672,709	1,180,910	3,570,057
	Jun	1,727,885	18,390	692,270	1,286,412	3,724,956
	Total	20,319,731	200,933	7,895,838	14,492,981	42,909,482

COUNTY - MAUI

Maui County: Number of Containers Redeemed

	FY16	Aluminum	Bimetal	Glass	Plastic	Total
2015	Jul	4,339,380	44,637	1,699,169	4,123,662	10,206,847
	Aug	4,377,114	44,535	1,732,529	4,348,164	10,502,342
	Sep	3,986,255	40,981	1,613,004	3,784,965	9,425,205
	Oct	3,905,099	41,232	1,531,368	3,683,631	9,161,330
	Nov	3,673,765	37,714	1,483,659	3,329,150	8,524,288
	Dec	4,310,058	38,966	1,674,592	3,756,420	9,780,036
2016	Jan	4,133,724	37,279	1,677,437	3,514,570	9,363,009
	Feb	3,840,429	37,335	1,489,163	3,343,285	8,710,212
	Mar	4,234,527	37,959	1,659,724	3,668,568	9,600,778
	Apr	4,082,749	50,226	1,600,344	3,626,414	9,359,733
	May	3,803,013	43,938	1,485,611	3,435,619	8,768,181
	Jun	4,238,074	41,296	1,572,474	3,744,360	9,596,204
	Total	48,924,187	496,099	19,219,073	44,358,807	112,998,165

COUNTY - C & C HONOLULU

City & County of Honolulu: Number of Containers Redeemed

	FY16	Aluminum	Bimetal	Glass	Plastic	Total
2015	Jul	15,955,375	78,636	5,170,100	12,826,351	34,030,462
	Aug	16,203,047	73,647	5,097,741	13,344,594	34,719,029
	Sep	13,774,752	63,112	4,377,282	11,202,153	29,417,299
	Oct	14,735,856	67,208	4,826,214	11,892,867	31,522,144
	Nov	12,831,176	57,559	4,274,745	9,993,706	27,157,186
	Dec	14,594,626	67,627	4,798,839	11,076,670	30,537,762
2016	Jan	14,792,935	66,857	4,909,664	11,032,727	30,802,182
	Feb	12,180,005	64,437	4,243,376	9,272,178	25,759,996
	Mar	13,374,501	65,720	4,500,058	10,396,897	28,337,176
	Apr	13,542,978	68,442	4,517,732	10,397,708	28,526,860
	May	13,885,597	73,766	4,722,674	10,851,589	29,533,627
	Jun	14,890,268	65,903	4,793,353	11,491,753	31,241,277
	Total	170,761,115	812,914	56,231,777	133,779,192	361,584,998

COUNTY - HAWAII

Hawaii County: Number of Containers Redeemed

	FY16	Aluminum	Bimetal	Glass	Plastic	Total
2015	Jul	4,949,582	40,545	1,796,422	3,733,868	10,520,416
	Aug	4,706,350	39,334	1,701,011	3,628,574	10,075,269
	Sep	4,394,817	32,301	1,568,601	3,362,805	9,358,524
	Oct	4,758,250	39,600	1,709,618	3,712,626	10,220,094
	Nov	4,389,743	37,604	1,595,069	3,251,656	9,274,072
	Dec	4,781,063	34,603	1,723,755	3,388,222	9,927,644
2016	Jan	4,982,132	38,681	1,899,246	3,502,565	10,422,624
	Feb	4,144,770	39,728	1,614,196	2,972,064	8,770,758
	Mar	4,426,571	37,803	1,651,620	3,184,974	9,300,967
	Apr	4,613,589	41,782	1,704,071	3,423,509	9,782,951
	May	4,642,359	38,306	1,641,903	3,376,271	9,698,840
	Jun	4,916,463	38,315	1,688,918	3,579,523	10,223,219
	Total	55,705,690	458,600	20,294,431	41,116,656	117,575,377

REDEMPTION RATES - TOTAL, and by Material type

State of Hawaii: Redemption Rates

FY16	Aluminum	Bimetal	Glass	Plastic	Total
	72.1%	81.9%	56.3%	66.3%	66.9%

Note 1: County specific sales data are not available.

Note 2: Complete monthly sales data does not become available until the State receives all the semi-annual distributors reports. Distributors who annually import or manufacture more than 100,000 deposit beverage containers report monthly and distributors who annually import or manufacture 100,000 or fewer deposit beverage containers report only semi-annually in December and June.