

Bill 4
Additional Testimony

From: CLK Council Info
Sent: Tuesday, January 30, 2018 12:58 PM
Subject: Council Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Benton Pang, Ph.D.
Phone	8083493636
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Meeting Date	01-31-2018
Council/PH Committee	Council
Agenda Item	Bill 4
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	I strongly support this measure to regulate polystyrene containers.
Testimony Attachment	
Accept Terms and Agreement	1



**TESTIMONY OF TINA YAMAKI
PRESIDENT
RETAIL MERCHANTS OF HAWAII
January 31, 2018**

Re: BILL 4 (2018) RELATING TO HEALTH

Good afternoon Chair Menor and members of the Honolulu City Council. I am Tina Yamaki, President of the Retail Merchants of Hawaii and I appreciate this opportunity to testify.

The Retail Merchants of Hawaii (RMH) is a statewide not-for-profit trade organization is committed to support the retail industry and business in general in Hawaii. The retail industry is one of the largest employers in the state, employing 25% of the labor force.

While the Retail Merchants of Hawaii appreciates the exemption for uncooked meats and eggs, we are OPPOSED to Bill 4 (2018) Relating to Health. Retailers continue to be concerned about our aina and have supported many initiatives that preserve and protect our environment.

We need to maintain a fair balance regarding the food service containers. Businesses respond to the wants of the customers that patronize their establishments. We have seen businesses voluntarily changing over to alternative types of food containers because that is the wants of that particular business's customers.

Bans are not the simple answer. This government mandate would place an undue burden on grocers, restaurants, mom & pop establishments, non-profits organizations and others as their cost of business would increase. Almost every day you hear about the high cost of living here in paradise called Hawaii. Yes we are aware that the cost of the containers has decreased, however often they are still more expensive than the polystyrene containers. By mandating the type of disposable food service containers, you would be forcing businesses to use alternative non-polystyrene containers that are often cost more than the current polystyrene ones being used. Many businesses are already operating on a very thin profit margin. They look for cost effective food containers that ensure that products are durable enough to protect people from spills and burns as well as keep food protected and fresh longer by sustaining appropriate temperature. This is one more additional cost to the bottom line that many businesses may not be able to afford or where many customers are not willing to pay for.

We should be looking at a coordinated comprehensive litter reduction program. Government, business and the community should work together on the wise management of our resources by reducing, reusing and recycling principles. We should be looking at litter control programs and education and not a ban.

Again mahalo for this opportunity to testify.



O'ahu
Chapter

**Honolulu Bill 4
In Strong Support
Hearing Date: January 31st 2018
Full Council**

Aloha Honolulu County Council Members,

I am writing to you on behalf of the Surfrider Foundation's Oahu Chapter, in strong support of Bill 4, relating to the ban of Polystyrene Foam Food containers on the island of Oahu.

We are at a critical juncture in our waste management and plastic pollution measures. The burdens of single use plastic are mounting around the world as the soup of plastics that has accumulated in our oceans is rapidly increasing. Additionally, the world's markets are closing in places where we have traditionally moved our waste. As an island we should be the leaders for the world in reducing these detrimental plastics like polystyrene foam.

A recent study published in the renowned journal of *Science* describes the mounting issues of plastics on our fragile and threatened reefs. The study describes corals as being 90% more likely to be diseased when plastic sits on the reef. The billions of pieces of plastic already in the ocean are scarring reefs and then likely infecting them with the contamination that comes from their properties. Plastics bio-accumulate toxins in the water and thus can transfer such toxins to other organisms like coral. This is yet another toxic consequence of plastics in our oceans, of which many more are described in the bullet points below.

As an organization that engages thousands of volunteers each year on the issues of plastic pollution through beach cleanups, educational info nights, and stream cleanups, Surfrider is extremely familiar with the detrimental effect these foam containers are having on our environment and ultimately our economy. Each year we see more and more plastics aggregating on our State, County, & City beaches and foam is one of the most found items during our beach cleanups. Polystyrene Foam, like plastic bags, has the characteristic of being extremely light and brittle – thus leading to its escape and nasty ability to break into smaller pieces in the environment. If it remains intact it clogs stormdrains and other runoff infrastructure and if it breaks into pieces, it can end up in the stomachs of many marine and stream creatures. These effects are all detrimental to the health of our ecosystems and leave an ugly scar on the landscape that provides the basis for our whole economy.

Through years of investigation and generating collective understanding of the issue, Surfrider and its partners have found an undeniable amount of evidence that points to banning foam as a necessary step for our counties within our State to move forward in a sustainable way. Our State Department of Transportation Highways program recently identified foam and plastic bags as the two largest contributors to trash problems around our State. These are unnecessary materials that are costing our tax payers millions of dollars each year to clean up.

The bullet points catalogued below highlight studies on Global, National, State, and County levels identifying the financial cost of plastics like foam to our economy.

Surfrider advocates for our Cities, Counties, and State to rethink the way they create, handle, and discuss waste. Our view is that we can become a leader in a regenerative economy in which we value reuse and recovery over the single-use items. Single-use plastics, like polystyrene foam, are a fossil fuel driven, carbon emitting industry that has no place in an island economy where space is limited and our environmental health is the most important issue to our economy. Alternatives to foam and other forms of plastic are easily accessible, with the most sustainable version being certified compostable products.

As the leading non-profit in Hawaii's Ocean Friendly Restaurants Program, Surfrider and its partners have certified over 140 hundred businesses around the State that illustrate that foam free is not only the right thing to do, but is an economically viable way to operate. Though the program is only a year old, the amount of restaurants demonstrating their ability to operate in this manner continues to not only grow, but be an incentive for customers to frequent the restaurants as our population understands more and more the destructive effects these types of plastics are having on our world.

While litter reduction campaigns should continue around the world, they are proving ineffective as a way of keeping plastic contamination out of our oceans. Despite efforts to stop litter the amount of plastic entering our oceans each year is rising exponentially, with predictions showing that by 2050 there will be more plastic by weight in the ocean than fish. Each step that we make towards taking these items out of circulation allows us to have a positive impact on reducing this toxic soup that is accumulating in our oceans.

The referenced bullet points below outline the economic, environmental, and human health impacts of foam to our islands.

Cleanup Costs & Economic Benefits

- Plastic is costing cities, counties, states, & countries millions of dollars and our global economy billions. Costs are passed to the taxpayers by burdening our storm water management systems with the need for expensive best management practices and the costs of cleanups.
- Hawaii State Department of Transportation has produced a trash plan that shows styrofoam and plastic bags as the top two contributors to the waste stream.¹
- The Natural Resource Defense Council (NRDC) created a plastic cleanup valuation study for 90+ counties in California:²
 - CA taxpayers are paying \$428 million per year to clean up plastic through storm drain management, street sweeping, and cleanups.
 - San Diego County (with population of 1.3 equivalent to Hawaii) spends \$14 million alone on plastic cleanup

¹ http://www.stormwaterhawaii.com/swmp_wp/wp-content/uploads/2014/10/Trash-Reduction-Plan_FINAL-10-18-16.pdf

² <https://www.nrdc.org/sites/default/files/ca-pollution-in-waterways-IB.pdf>

- United Nations Environmental Program Global Estimates are in the billions for the global cost to cleanup plastics, \$14 billion for marine plastic alone.³
 - This cost is closer to \$78 billion annually if all costs are considered, including the cost lost in fossil fuel production and loss of resources.
- Burden on the public
 - According to cleanup hours recorded across Hawaii's beach cleaning organizations and volunteer hour base rates, we spent \$750,000 - \$1 million on beach cleanups in 2016 alone.

Environmental Impact

- It is argued that styrofoam is acceptable because we can incinerate it for energy. However, this approach is not without significant impacts. According to the Hawaii DOH Clean Air Branch the Covanta H-POWER plant emits 0.15 million metric tons of carbon dioxide⁴ (a potent greenhouse gas) annually. Although touted as a "clean energy solution" for Hawaii, H-POWER only generates about 3% of Oahu's energy needs⁵ while still emitting greenhouse gases through burning plastic.
- Further, for each ton of polystyrene not produced, 2.5 metric tons of carbon dioxide emissions are avoided. This directly supports Hawaii's greenhouse gas reduction goals as stated in the Aloha + Challenge and as mandated by the US EPA.⁶
- The U.S. Environmental Protection Agency's Waste Reduction Model (WARM) report shows that burning polystyrene emits more carbon dioxide equivalent than other plastics. For each ton of polystyrene incinerated, 1.64 tons of carbon dioxide equivalent are emitted.
- If burned at HPower, one compostable clamshell burns 1.76 times greater energy compared to one EPS Foam clamshell of the same size. And burning compostable products comes without the toxic ash or smoke that EPS foam creates in the burning process.
- Fiber clamshells are also less than half the volume of EPS, so a restaurant could fit about twice as many clamshells on the same amount of shelf space or have more space for other things.
- The material for fiber containers can be grown and then made here in Hawaii, so more jobs and sustainable ones, not jobs that are exposing workers directly to large amounts of toxic chemicals. EPS can also be made here, but raw, toxic source chemicals need to be shipped to Hawaii.

³ www.unep.org/pdf/ValuingPlastic/

⁴ <http://energy.hawaii.gov/wp-content/uploads/2011/10/ghg-inventory-20081.pdf>

⁵ www.islandpulse.org

⁶ <https://www3.epa.gov/epawaste/conserve/tools/warm/pdfs/Plastics.pdf>

- EPS is designed to be used once, and according to the US EPA less than 1% of foam is recycled nationally. 0% of EPS Foam is recycled locally.
- According to the EPA Waste Reduction Model Report, 7% of plastic waste generation in US is polystyrene. Of our total plastic recovery, polystyrene makes up 0.7% of recycled plastic

Human Health

- Air pollution from polystyrene
 - Styrene is reasonably anticipated to be a human carcinogen and a confirmed animal carcinogen as reported by the National Institute of Health in their Report on Carcinogens (2011); this conclusion is also endorsed by the National Academy of Sciences (2014)⁷
 - When combusted, styrene produces benzaldehyde (US EPA classifies this as a hazardous substance), acetophenone (Group D carcinogen by US EPA, causes chromosomal damage on hamsters, but hasn't been tested in humans), styrene oxide (main metabolite of styrene, which is known as carcinogenic).

Surfrider Foundation deeply appreciates your time and energy in considering these important matters and is available to answer questions that you may have.

Mahalo,

Rafael Bergstrom
Oahu Chapter Coordinator, The Surfrider Foundation

⁷ <https://www.niehs.nih.gov/health/topics/agents/styrene/index.cfm>



DOUGLAS J. MCCAULEY
ASSISTANT PROFESSOR
DEPARTMENT OF ECOLOGY, EVOLUTION, AND MARINE BIOLOGY

30 January 2018

Dear Councilmembers,

Thank you for your willingness to review my testimony. I am a Professor of Marine Biology at UC Santa Barbara. I have been studying ocean ecosystems for over 15 years, largely in the Pacific, including in areas around Oahu. I am writing in strong support of Bill 4, the bill to reduce use of polystyrene food containers in the City and County of Honolulu. Plastic pollution, including polystyrene, is entering the oceans at an alarming rate and affecting ocean health. I have had the unfortunate ability to observe this occur in the sites where I conduct my research. I draw your attention to three important points regarding the negative impacts of polystyrene and plastic pollution in Hawaii's waters:

- Plastic is known to negatively impact some of Hawaii's most charismatic, economically valuable, and ecologically important marine animals: sea turtle, manta rays, seabird, and fish. Scientists project that polystyrene and other plastics will be found in 99% of seabirds by 2050 (Proceedings from the National Academy of Sciences 2015).
- Ocean species are harmed by ingested plastic pollution causing mechanical blockages [e.g., gastrointestinal obstruction in seabirds] and chemical poisoning. Deleterious chemical effects are caused because fragments of this pollution can contain contaminants added during plastic manufacture or acquired from seawater through absorption processes.
- Research is continuing to highlight plastic pollution entering into marine food chains and human seafood systems. This includes both the polystyrene/plastic fragments themselves and the chemical toxins they have absorbed. This affects a range of species including a number of iconic seafood species in Hawaii, such as mahi-mahi.

Thank you for taking this positive step forward not only for the present-day ocean and human health, but for future generations. I am pleased that your Council is cognizant and reactive to the important linkages between human health and ocean health.

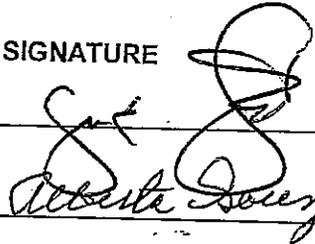
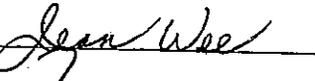
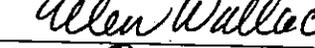
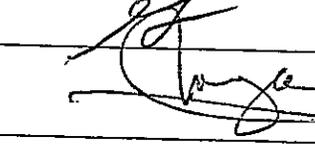
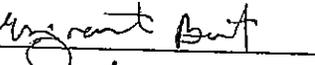
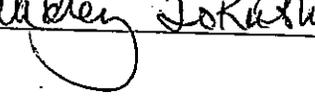
Regards,

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Dr. Douglas McCauley

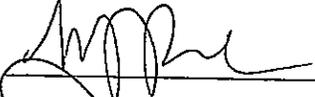
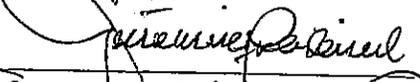
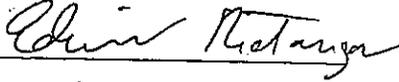
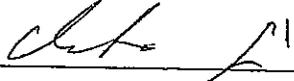
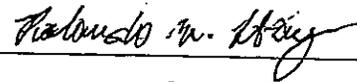
PETITION OPPOSING POLYSTYRENE FOODSERVICE CONTAINER BANS

We, the undersigned, oppose banning the use of polystyrene food containers like the foam plate lunch containers, cups and saimin bowls. It is not effective to regulate what kinds of foodservice products can be used, particularly when the products are food-grade, approved by the FDA, and are economical. We support solutions to minimize ocean debris such as better litter management and imposing consequences for those who cause litter. Please do not increase the already high costs for businesses and especially consumers living in Hawaii.

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David Wallace	 David Wallace	1796 Eames St	778-3219
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Filmart P. Labaca	 Filmart P. Labaca	1411 Hanu Lane	
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		98-291 WALD ST 46 AIEA 96701	

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SIGNATURE

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Ralph Hayashida
Jade Alexander
Ranson Hauario
Hualani Vincent
Theresa Cahill
Natasha Lagapa
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Robert Fearing
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Sheldon Kalai
Tehani Kalai

Pohai Hayashida
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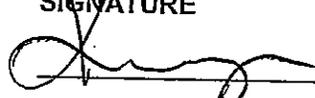
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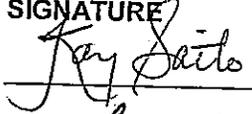
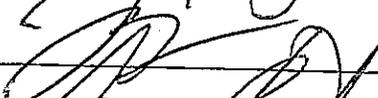
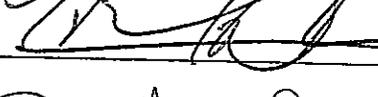
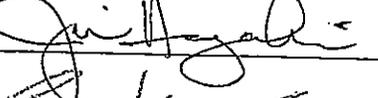
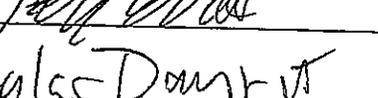
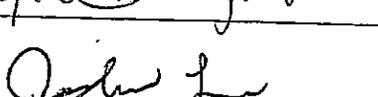
Alan T. Mori


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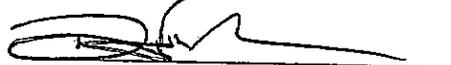
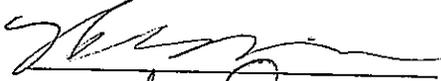
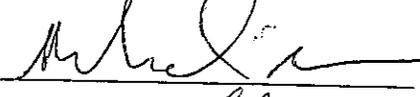
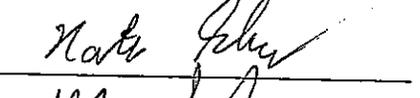
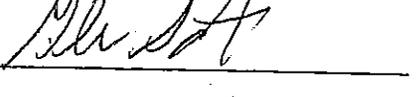
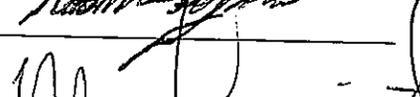
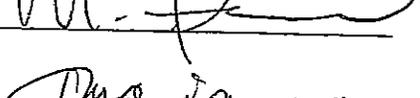
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Eric Lono		47575 Ave P. 96714	
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Lyle Doughty		845 Waikeane Rd. 96817	
Joshua Lee		98-569 Aloalii ST	

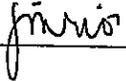
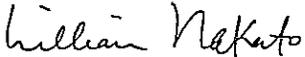
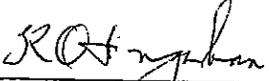
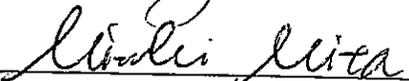
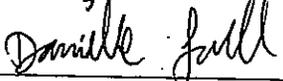
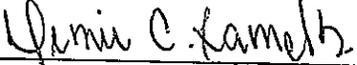
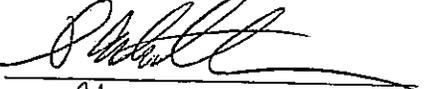
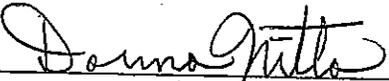
PETITION OPPOSING POLYSTYRENE FOODSERVICE CONTAINER BANS

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NAME (Print Clearly)	SIGNATURE	HOME ADDRESS	EMAIL ADDRESS/PHONE NUMBER
<u>DANIEL VISITACION</u>		<u>1734 KAHANU ST Honolulu HI 96817</u>	<u>DAN99T@GMAIL.COM</u>
<u>Michael Nardone</u>		<u>87-101 MAMOEALI DR.</u>	
<u>NATE SHARP</u>		<u>87-182 MAUNA ST</u>	
<u>Eileen Santolonia</u>		<u>1739 NAKULA ST</u>	
<u>Wayne Yamasaki</u>		<u>1817 AHUUA ST</u>	
<u>ERNESTO LEONIN</u>		<u>1830 AHUUA ST.</u>	
<u>Charles N. Aono</u>		<u>91-2041 Waikele St.</u>	<u>rustkeke@yaho.com</u>
<u>KRISTINE JOY PANTANA</u>		<u>1823 AHUUA ST.</u>	
<u>RUSTIN GAYNOR</u>		<u>HON - 96819</u>	
<u>MILLO LAURETO</u>			
<u>JOSEFINA ROMANERO</u>			

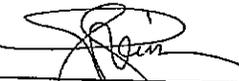
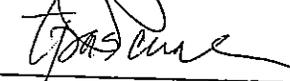
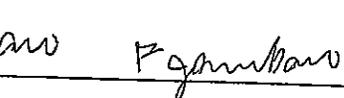
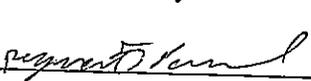
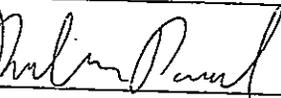
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NAME (Print Clearly)	SIGNATURE	HOME ADDRESS	EMAIL ADDRESS/PHONE NUMBER
JENNY RIO		1823 AHUWA ST. HON. HI 96819	8084291626
Romel Menor		4013 Keaka Dr. Hon. HI 96818	808203-3929
Lillian Nakato		94-890 Lumiauau St. Waipahu 96797	ln@kyd-inc.com
DANIELE ENOMOTO		2504 Qapi way, Pearl City HI 96722	de@kyd-inc.com
REINA FUGABAN		94-389 Kaigaku St., Waipahu	(808)489-7562
Mizuki Mita		5122 Likini St Apt. 316 Honolulu, HI 96818	808-306-1851
Derina Desante		3121 Ala Alana Honolulu HI 96818	ddesante@kyd-inc.com
Danielle Lovell		91-1278 Kinoiki St. Kapolei, HI 96707	dlovell@kyd-inc.com
Demie C. Ramoib		94-1079 LUMIAINA ST WAIPAHU HI 96797	dramoib@kyd-inc.com
Steven Watanabe		95-223 Kehopu Dr. Malihi, HI 96709	swatanabe@kyd-inc.com
Mark Takiguchi		28448 Koinoa St #905 Aiea HI 96701	mtakiguchi@kyd-inc.com
DONNA NITTA		45-160 EKEPUA PL. KANEOHE, HI 96744	dnitta@kyd-inc.com

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EDNA MENDOZA		4013 Keolu Pl Hon.	EM21@ig-mail.com
TESS PASCUAL		1112 WANAKA ST HON HI	tpascual@my.hpu.edu
Juan Pascual		1577 Halea Dr Hon.	
Flor deliza Jambaw		1134 WANAKA ST. Hon. HI	
REY PASCUAL		1112 WANAKA ST HON HI	
Kassandra Pascual		1112 WANAKA ST HON HI	
Reuben Pascual		1577 Halea Dr	

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NAME (Print Clearly)

SIGNATURE

HOME ADDRESS

EMAIL ADDRESS/PHONE NUMBER

Ridel Navalta

Ridel B. Navalta

94-1170 Hama - ST

CLAUDIA NAVALTA

Claudia Navalta

Rosalia Tarrape

Rosalia Tarrape

PAUL SUYAT

Paul Suyat

1308 ALSTON RD

Jenny Abadilla

Jenny Abadilla

Eugenia Gray

Eugenia Gray

Heather Collins

H. O.

Gabriel E.

Gabriel E.

STANORAKA

Stanoraka

LOCKIE STEINER

Lockie Steiner

ROSEMARIE NAVALTA

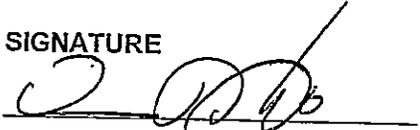
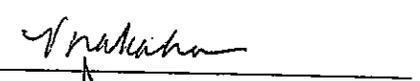
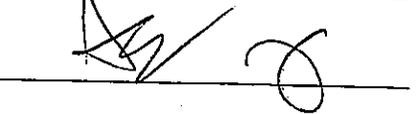
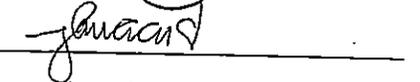
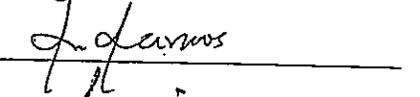
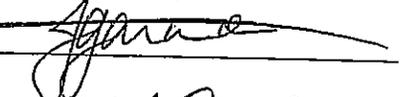
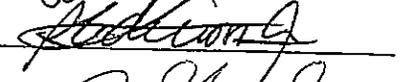
HONORIO BALAGOT

Honorio Balagot

94-385 HILINA WAY

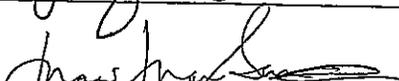
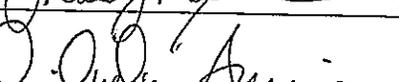
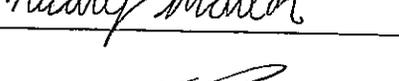
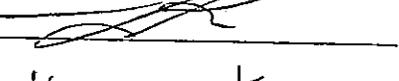
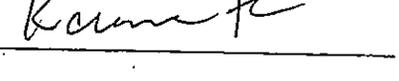
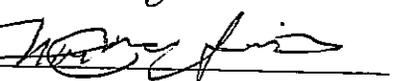
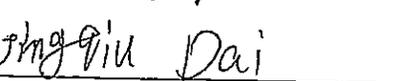
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NAME (Print Clearly)	SIGNATURE	HOME ADDRESS	EMAIL ADDRESS/PHONE NUMBER
<u>Vivian N. Ho</u>		<u>94-252 Hiwahiwa Place</u>	<u>vh@kyd-inc.com/808 221 6316</u>
<u>CONRADO P. ALDANA</u>		<u>3161 ALA ILIMA #105, HONOLULU</u>	<u>836-3221</u>
<u>Valerie Nakamura</u>		<u>1796 Eames St. Wahihi</u>	<u>808 7749</u>
<u>ANASTACIO SANTOS</u>		<u>1816 PALAMOI ST. PEKULI CITY</u>	<u>870-7949</u>
<u>ERIC YAMADA</u>		<u>91-1176 BRYAN ST. 96706</u>	<u>836-7345</u>
<u>JUDY MARCOST</u>		<u>94-245 LEOWAHINE ST. WAIKAPAHU</u>	<u>836-7328</u>
<u>REY RAMOS</u>		<u>2433-A NAKAHIWA ST. HON. HI</u>	<u>728-0966</u>
<u>JOE GARCIA</u>		<u>WAIKAPAHU</u> <u>94-077 AXIAMAOKU ST.</u>	<u>678-2018</u>
<u>ROMEO DE LEON</u>		<u>730 UMI ST. HONOLULU</u>	<u>-</u>
<u>Val Morales</u>		<u>730 WAIKE ST. HON. HI</u>	<u>454-3343</u>
<u>AMANCIO DOLES</u>		<u>91-702, UDUOA ST. Ewa Beach HI</u>	<u>842-0170</u>
<u>PIELVIKIPU ABUCAF JR.</u>		<u>94-926 KUAHAHI ST. WAIKAPAHU HI.</u>	<u>428-3537</u>

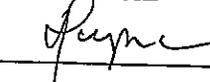
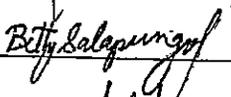
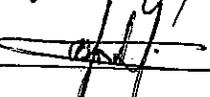
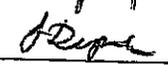
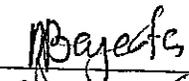
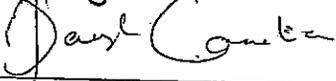
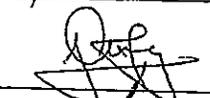
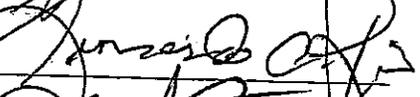
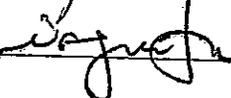
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<u>KAREN KALAMA</u>	<u></u>	<u>84-1026E HANA</u>	<u>karenk@samurai-inc.com</u>
<u>Amber Duranle</u>	<u></u>	<u>725 Kihapai Pl. Apt. A4</u>	<u>Samurai - amberd@inc.com</u>
<u>Jazlyn Corpuz</u>	<u></u>	<u>99-319 PILIKOA ST</u>	<u>JAZLYNCORPUZ@SAMURAI- the.com</u>
<u>Maria Sanico</u>	<u></u>	<u>1466 Hookaku St</u>	<u>sanicomaris@yahoo.com</u>
<u>Wilhelm Soriano</u>	<u></u>	<u>414 KAUMUALII ST. #115</u>	<u>wsoriano86@yahoo.com</u>
<u>Hilary Martin</u>	<u></u>	<u>1201 Kamehameha III Rd Apt. #13</u>	<u>hilarymartin@gmail.com</u>
<u>Sabatha Martin</u>	<u></u>	<u>2938 Pacific Heights Rd</u>	<u>tabtrao@gmail</u>
<u>Katruska Clemek</u>	<u></u>	<u>1619 OHI ST. Hm. Hi</u>	
<u>Joshua Copuz</u>	<u></u>	<u>272a Nihi St.</u>	<u>fitman9570@gmail.com</u>
<u>Norman Sanico</u>	<u></u>	<u>1466 Hookaku St</u>	<u>saniconorman@yahoo.com</u>
<u>Jingqiu Dai</u>	<u></u>	<u>1330 Wilder ave</u>	<u>jingqiu@hawaii.edu</u>
<u>Greg Amaronce</u>	<u></u>	<u>47-434 Mahaka Rd.</u>	<u>GregAmaronce@gmail.com</u>

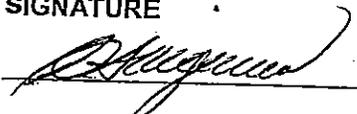
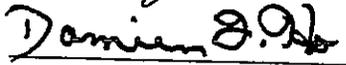
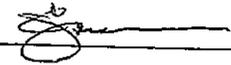
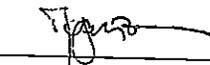
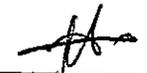
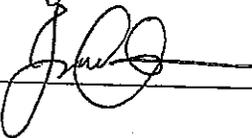
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<u>REFERINO DUPRA</u>	<u></u>	<u>AHUKULA ST. 1823-98619</u>	<u>209-3581</u>
<u>BETTY SALAPUNGOL</u>	<u></u>	<u>1419 AULD LANE HON. HI, 96817</u>	<u>232-3977</u>
<u>MARCIAL CALUMB</u>	<u></u>	<u>43 PROSPECT ST. HONOLULU HI.</u>	<u>209-3581</u>
<u>Loreta Dagna</u>	<u></u>	<u>AHUKULA ST 1823. 98619</u>	<u>808-724-7976</u>
<u>Nancy Bayesta</u>	<u></u>	<u>94-1181 Halehaha St Waikeolu</u>	<u>808 280 3075</u>
<u>DARYL CACATIAN</u>	<u></u>	<u>1921 ULAWA PLACE</u>	<u>723-8323</u>
<u>BART CABRERA</u>	<u></u>	<u>1779-A OOWA WASH</u>	<u>(808) 398-5739</u>
<u>KEN ROUE BAGSIT</u>	<u></u>	<u>744. KOPKE STREET</u>	<u>(808) 373-6109</u>
<u>LEONARDO L. RIO</u>	<u></u>	<u>1823 A - AHUKULA ST.</u>	<u>---</u>
<u>ANGIELO B. ANTIDA</u>	<u></u>	<u>94-159 MAANIMANI WY</u>	<u>---</u>
<u>LARRY MC ALANNA</u>	<u></u>	<u>3139 ALA ILINA ST #207</u>	<u>---</u>
<u>Idento Agustin</u>	<u></u>	<u>24-114 PUPUKAHI ST.</u>	<u>---</u>
		<u>WAIKANAHI-HI-96787</u>	

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<u>Elaine Saigusa</u>	<u></u>	<u>94-510 Lumiaina St. #L-201</u>	<u>esaigusa@gmail.com</u>
<u>DAMIEN Ho</u>	<u></u>	<u>94-252 HIWAHINA BL.</u>	<u>damienh5247@yahoo.com</u>
<u>Nelly CALUB</u>	<u></u>	<u>43-Prospect St. Honolulu HI 96813</u>	
<u>CARLOS MARIANO</u>	<u></u>	<u>1807A. BECKLEY ST</u>	<u>carlos.mariano@gmail.com</u>
<u>ARNEL O. YANTO</u>	<u></u>	<u>46-173 HAIKU RD. KANEIHE #11. 96744</u>	
<u>CORAZON URBANO</u>	<u></u>	<u>94-860 LUMIHOLOI ST.</u>	
<u>REX R. TIZON</u>	<u></u>	<u>99-009 KAKAUA ST.</u>	
<u>Rolan Montesines</u>	<u></u>	<u>1060 Kam. Hwy Pearl City</u>	
<u>Len Buelch</u>	<u></u>	<u>3228 George St.</u>	
<u>Desmond Sewdat</u>	<u></u>	<u>421804 Ala Moana Blvd</u>	
<u>RANDY LIBAO</u>	<u></u>	<u>914A KEOKA ST</u>	
<u>FRANCISCO PERALTA</u>	<u></u>	<u>1315 HALOA DR.</u>	

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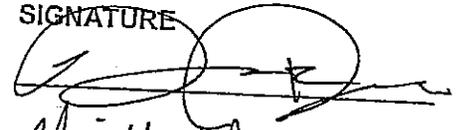
NAME (Print Clearly)

SIGNATURE

HOME ADDRESS

EMAIL ADDRESS/PHONE NUMBER

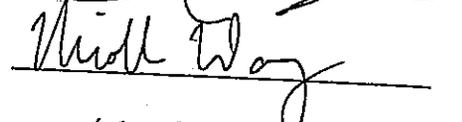
Robert Sarpei



2208 Komo Mai Dr.

Rob.Sarpei@gmail.com

Nicolle Wong



2208 Komo Mai Dr.

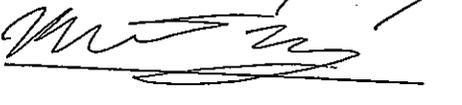
nicolle.wong@gmail.com

Kathryne Wong



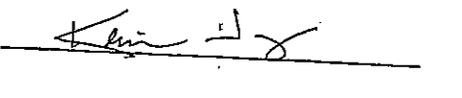
2038 AAMANU St.

Matthew Wong



2038 Aamama St

Kevin Wong



98-500 Koaulea Ln.

wongk@hawaii.vv.com

PETITION OPPOSING POLYSTYRENE FOODSERVICE CONTAINER BANS

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SIGNATURE

HOME ADDRESS

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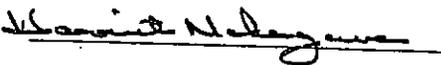
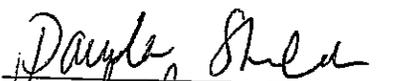
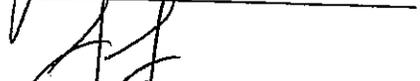
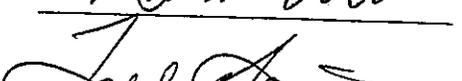
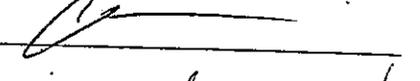
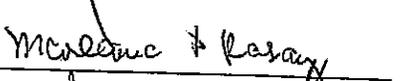
MIYONORI YAMAUCHI

Yamauchi

833-2725

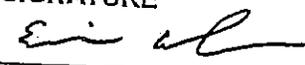
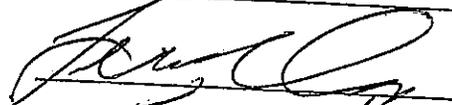
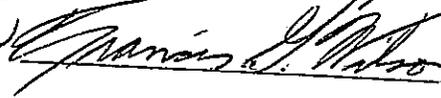
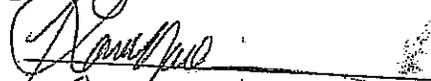
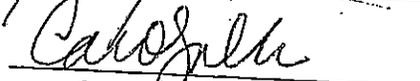
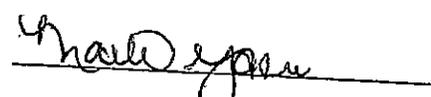
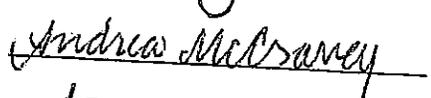
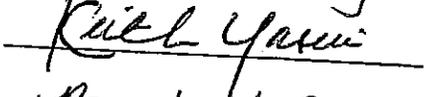
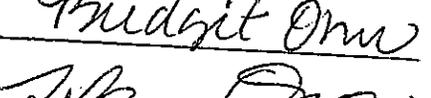
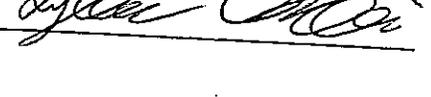
PETITION OPPOSING POLYSTYRENE FOODSERVICE CONTAINER BANS

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NAME (Print Clearly)	SIGNATURE	HOME ADDRESS	EMAIL ADDRESS/PHONE/NUMBER
<u>HARRIET NAKAGAWA</u>	<u></u>	<u>44-207 Puamohala St. Kaneohe</u>	<u>Harriet Nakagawa@gmail.com</u>
<u>WILMA RAVILA</u>	<u></u>	<u>91-803 Fort Weaver Rd</u>	
<u>Paula Sheldon</u>	<u></u>	<u>94-1042 Hokulani St Waipaha</u>	
<u>Jay Luwai</u>	<u></u>	<u>42668 MEWA ST Kapolei</u>	<u>kluwai808@gmail.com</u>
<u>Richard Woo</u>	<u></u>	<u>2345 HOOKAI ST</u>	
<u>Todd Gross</u>	<u></u>	<u>1042 GREEN ST.</u>	
<u>Tim Kubo</u>	<u></u>	<u>94-1026 Kaulaia Ln</u>	<u>291-2401</u>
<u>CHAD NITZ</u>	<u></u>		
<u>Brandon Maynard</u>	<u></u>		
<u>Myles Colan</u>	<u></u>		
<u>MARLENE KASAY</u>	<u></u>		
<u>Shane Santos</u>	<u></u>	<u>41-623 mekia st</u>	<u>shane.waiya@gmail.com</u>

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NAME (Print Clearly)	SIGNATURE	HOME ADDRESS	EMAIL ADDRESS/PHONE NUMBER
Eric Nonaka		95-1127 Lela St, Mililani, HI, 951037	nonakaec03@hawaii.rr.com
TENERIS OMORI		951037 HOOKANAKA ST #2	tomori5@hawaii.net
FRANCIS G. WILSON		95-100 Waiyapa Ln, #200	WILSON 235@AOL.COM
Jenny Shimabuku		1804 Lanikoa Pl, Wahi, 96782	jshimabuku@zippys.com
Karen Yamamoto		25 Ilima St, Wahi, 96786	kyamam@cyber.com
Carolynn Winn		1538 A Glen Ave, Wahiawa, HI 96782	cew2002@hawaii.rr.com
Bandra Nagasaki		1538 Glen Ave, Wahiawa, HI 96786	snagasaki@gmail.com
Mario Yasui		95-211 Inana Place, Mililani, HI 96789	marioyasui@yahoo.com
ANDREA MCCRAVEY		4071 EAMES ST, HI 96786	mccravey3@gmail.com
KEITH YASUI		95-211 INANA PL. MILILANI, HI 96789	kyasui@honolulu.gov
Bridget Omori		95-1037 Hookanaka St, Mililani, HI 96789	bomori@tghawaii.com
Tyler Omori		95-1037 Hookanaka St, Mililani, HI 96789	Tyleromori@yahoo.com

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NAME (Print Clearly)

SIGNATURE

HOME ADDRESS

EMAIL ADDRESS/PHONE NUMBER

Michelle Kalahiki
Jasmine Kalahiki
Brittany Kalahiki

Michelle Kalahiki
[Signature]
[Signature]

1404 Kewalo St. #403
Honolulu, HI 96822
1404 Kewalo St. #403
Honolulu, HI 96822

Michelle1992@gmail.com
(808) 258-6514
jkalahiki99@gmail.com
808-232-4643
britttarde@gmail.com

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NAME: (Print Clearly)

SIGNATURE

HOME ADDRESS

EMAIL ADDRESS/PHONE NUMBER

DANE LOVEN

Dane Lovell

DLOVEN4678@GMAIL.COM

Ralynne Macomber

Ralynne Macomber

Ralynne78@gmail.com

MARLENA S. LOVELL

M Lovell

91-1278 KINOIKI ST. KAPOLEI

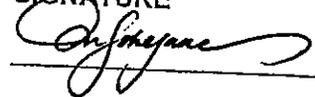
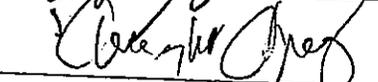
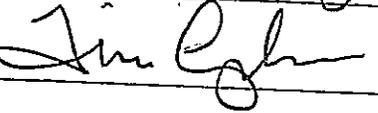
DAVID P. LOVELL

David P. Lovell

91-1278 KINOIKI ST KAPOLEI

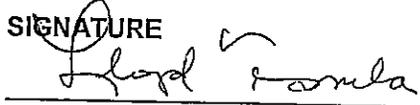
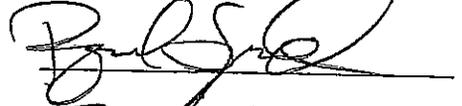
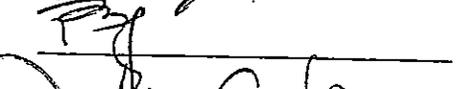
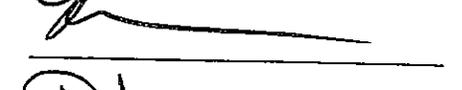
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NAME (Print Clearly)	SIGNATURE	HOME ADDRESS	EMAIL ADDRESS/PHONE NUMBER
Mark Sobejana		3225 Ala Ilima St #2 Honolulu, HI 96818	808-345-5032
Erik Oyama			
GARY SORA			
Dwight Lopez		98-704 Keikialii St Aiea, HI 96701	808-485-0306
Tim Apter			

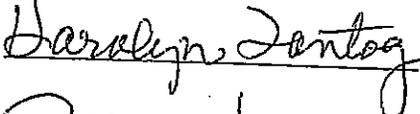
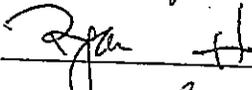
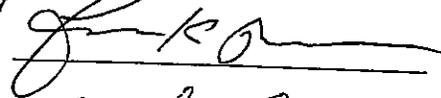
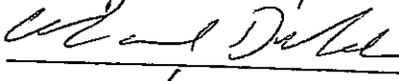
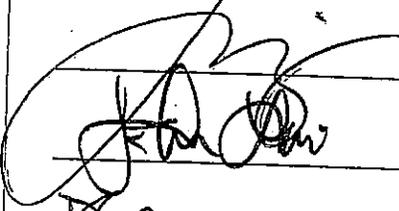
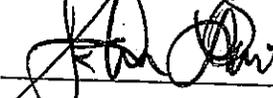
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NAME (Print Clearly)	SIGNATURE	HOME ADDRESS	EMAIL ADDRESS/PHONE NUMBER
LLOYD TAMBEI		331-HILUKU PL	
Keith Tomo		1575 RUGEL PALM DR	
Daniel Mochizuki		94-131 Makoa St Waipahu HI 96897	
Raquel Sepulveda		4024 SAH LAKE BLVD	
ROBERT PENNINGTON		1255 NUKUNU AVE HON # 96817	
Jody Colon		2905 Kapihi St. Hon 96819	
TRACY GAMSETH		1836 SERENO ST. HON HI 96819	
CAVIN TATEARA		1060 KAHUNA B-3108 PERKINS HI 96812	
Daniel Tawarahara		600 Queen St apt 1205 HON HI 96822	
Diana M. Mokuama		3214 Kamele Place HON HI 96822	
		1802 Akone Pl. 96829	
Chester Lee		94-1054 Palauki St Waipahu	

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NAME (Print Clearly)	SIGNATURE	HOME ADDRESS	EMAIL ADDRESS/PHONE NUMBER
Harolyn Tantog		P.O. Box 256 Haleiwa 96712	
Ryan Ho		94-334 Ukee St. Waipahu 96799	
Tason Sampang		45-573 Paholei St. Kaneohe 96744	
KEITH KODA		5065 LIKINI STREET HONOLULU 96818	
GRANN MAKUA		46-260 KANUHAPA ST. KANILAOHI HAWAII 96744	
Evelyn Say		1616 Alaneo St. 96817	(808) 375-6123
M. DeCarabro		85-1003 Piholea St 96792	dragon-lady 2009@hotmail.com
JIE CANH		41-942 KAMANIAHOLE Hwy	Jiecanh1969@gmail.com
JOHN LAI		95-733 Makouolau St	
DION CABALCE		94440 Keroopia	
Tisha Yamasaki		98-829 Iilee St. 96701	
Sherry Morek		800 Third St. Pearl City, 96782	

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NAME (Print Clearly)

SIGNATURE

HOME ADDRESS

EMAIL ADDRESS/PHONE NUMBER

Gwen Aigo-Herring

[Signature]

99-216A Mahiko Pl. 1 ³⁸⁹⁻⁹⁸⁴⁴

galejoherring@gmail.com

Shay-Lynn Herring

[Signature]

99-216 a Mahiko place

(808) 989-1453

Kenneth Hughes

[Signature]

1321 ALA NUPANA

shaaguisbaade@gmail.com

Five Raiwalui

Five Raiwalui

94-299 Leonui St #74

[Signature] mschief21@yahoo.com

A. Asedillo

A Asedillo

1316 Griffiths St

tagiko94@gmail.com

Kathryn Bruce

Kathryn Bruce

94-710 Lumiauau St ^{Waipahu 96797} mm203

kathy_ashedo@yahoo.com

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NAME (Print Clearly)

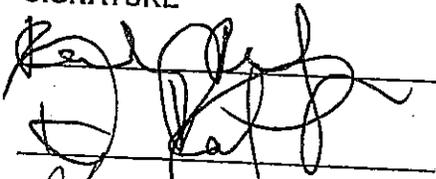
SIGNATURE

HOME ADDRESS

Hon. HI

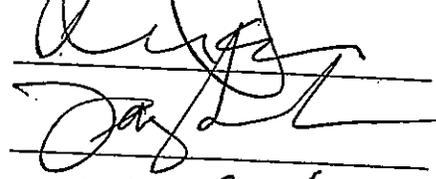
EMAIL ADDRESS/PHONE NUMBER

ZANDY RODRIGUES



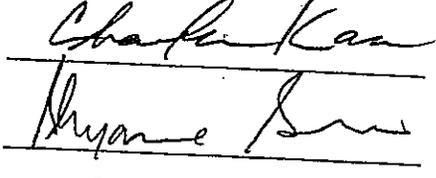
245 IOLANI AVE. #812

JENNIS RODRIGUES



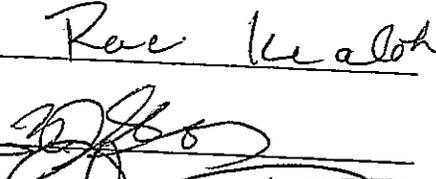
87-123 KULAKUMU P. WAIANAE 96792

DECK KANAN



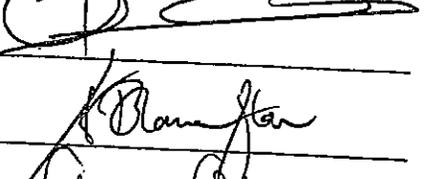
542 KAIWAHAWA WEST 96753

JAY TSUKAMOTO



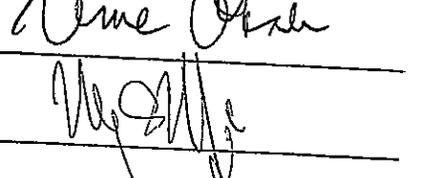
1515 WARD AVE #904 96822

Charles Kan



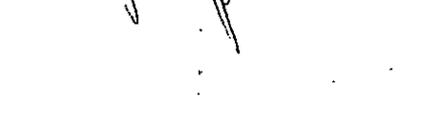
84-205 KIPAHULA P. 96992

SHYANNE SIMMONS



87-118 KULAKUMU P. WAIANAE HI 96792

Rae Kealoha



PO BOX 403 Waianae HI 96792

BJ SHANNON

KAIA VILLANUEVA

ARTHUR BLANCAFLOR

Anne Okada

Mypoo Nakagawa

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87-123 HELELUA STREET Apt. 6101, WAIANAE, HI

86-032 Farr. Hwy 96792

87172 Kauhamaa Waianae 96792

PETITION OPPOSING POLYSTYRENE FOODSERVICE CONTAINER BANS

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NAME (Print Clearly)

Colleen Lee

SIGNATURE

Colleen Lee

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EMAIL ADDRESS/PHONE NUMBER

Lee.Colleen@429@gmail

Chandelle Sumatpong

Chandelle Sumatpong

429 Judd St. Hon HI 96817

lee.chandelle@gmail.com

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SIGNATURE

HOME ADDRESS

EMAIL ADDRESS/PHONE NUMBER

AURELIO GARCIA

KELVIN NAKAMURA

Henry Acoba

RELAND CHENG

GARY WARD

NATHAN ATKINS

Fred Colello

Jason Kagan

JESSICA SILVA

Adam Gale

Joe Cid

Shelly Lipo

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4912 77th Waiolo St

94-1028 Palolu St.

POB 17474 HON 96817

70 Waiakama Ave

94-688 KANALO ST.

99-779 Kealahou Dr.

49-501 Haamolekai

5910 Farrington Hwy

590 Farrington Hwy

87116 OHE OHE ST. Waiawa

45-257 Wai-thony KA KANALO

Blank lines for email addresses and phone numbers.

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 ing in Hawaii.

NAME (Print Clearly)

SIGNATURE

HOME ADDRESS

EMAIL ADDRESS/PHONE NUMBER

GENE AGUSTIN

Gene Agustin

45-658 KULUKEOE ST.

MIKE KIMOTO

Mike Kimoto

45-079 Kaneohe Bay Dr.

Sandy Kawan

Sandy Kawan

4000 Manana St. Kailua

Fame Daquimel

Fame Daquimel

45-609 Kealahala Kaneohe

1918 Malufan

1918 Malufan

45-265 Willam Honey Kaneohe

PAUL K. ASANO

Paul K. Asano

3630 KALHI ST HONOLULU 96819

DOONEY CHRIS

Chris Dooney

1450 AALA ST. #1404 HON, HI 96817

Reid Hokan

Reid Hokan

47-574 Hui Iwa St. Kaneohe

Cory Hummala

Cory Hummala

99-117 Ohuwa St. Aiea, HI 96701

TONY JAMPITOC

Tony Jampitoc

1441 KAUNIA LII ST. 96817

Judy Gonzalez

Judy Gonzalez

45-708 Kua Kua B1 Kamehameha

Clyde Yamamoto

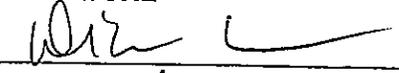
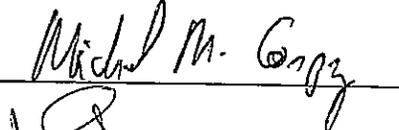
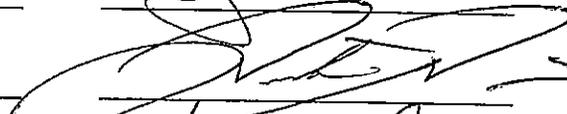
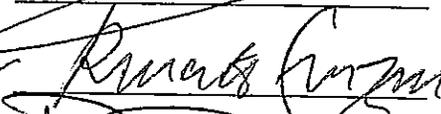
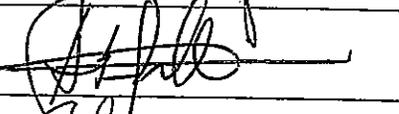
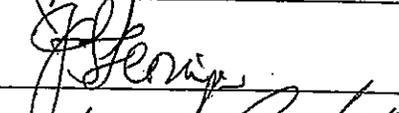
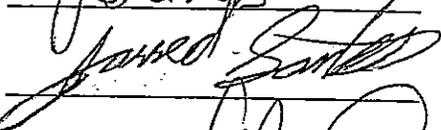
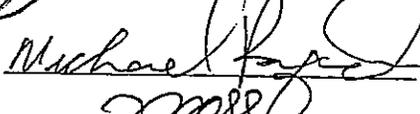
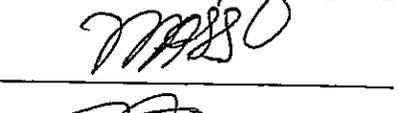
Clyde Yamamoto

44-353 Makapipi St. Mililani

Clyde J

PETITION OPPOSING POLYSTYRENE FOODSERVICE CONTAINER BANS

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NAME (Print Clearly)	SIGNATURE	HOME ADDRESS	EMAIL ADDRESS/PHONE NUMBER
Diane Mueda		99-187 Lalani St Area	836-7309
Michael M. Gony		94-297 HAAA ST.	
Walter S. Smith		21-555112 St. Waijahn	
Nathan Nino		1822 Beckley St.	836-3221
Ronaldo Luciano		91-570 Kunihoaiwa	734-8518
DOMINGO RAPOSAS		91-237 MAKALAUNA PL. EWA BEACH	685-5786
Alejandro L. Pillonta		91-1008 Kuhina St EWA BEACH	808-233-8591
Jaimie Leonin		91-1032 Kalap4 St. EWA BEACH	689-3756
Jarred Santos		84-385 Ikuoni St	
MICHAEL RAQUEDAN		425 N. Judd St Honolulu HI 96817	(808) 216-9116
Miguel Cornejo Fuentes		808-927-6424	Miguel Cornejo Fuentes @ mail.com
Josue Cornejo Fuentes		45-136 Mikihilina St, Kaneohe, HI 96744	808-462-9387

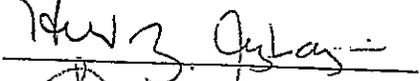
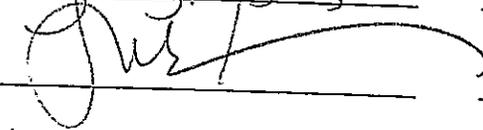
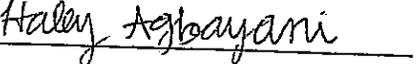
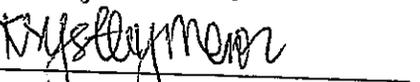
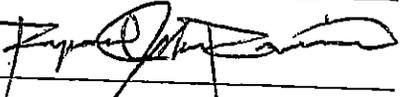
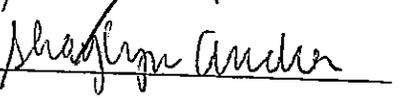
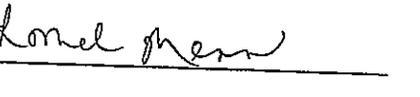
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NAME (Print Clearly)	SIGNATURE	HOME ADDRESS	EMAIL ADDRESS/PHONE NUMBER
<u>Yonella Liu</u>	<u>Yonella Liu</u>	<u>46-395 Kahuhupa</u>	<u>eahou@hawaii.vv.com</u> 933-82
<u>Margarita Dayao</u>	<u>M. Dayao</u>	<u>4370 O'ulou ST</u> <u>96818</u>	<u>mpdayao@gmail.com</u>
<u>Rosa Dayao</u>	<u>RRT</u>	<u>801 South St. #904 96813</u>	<u>rosada24@yahoo.com</u>
<u>Manny Dayao</u>	<u>Manny Dayao</u>	<u>"</u>	<u>354-4002</u>
<u>John McEntay</u>	<u>John McEntay</u>	<u>1785 Kalamia Rd, Hono, 96825</u>	
<u>LORETTA LOOK</u>	<u>Loretta Look</u>	<u>43 PROSPECT ST. HONOLULU HI 96813</u>	<u>lori-look@yahoo.com</u>
<u>MANNIE DAYAO</u>	<u>Mannie Dayao</u>	<u>47-703 HALEMANU ST</u> <u>KANEHOE HI 96744</u>	<u>mannydayao@yma.c</u>
<u>PHYLLIS DAYAO</u>	<u>Phyllis Dayao</u>	<u>47-703 Halemanu St.</u> <u>Kanehoe, HI 96744</u>	
<u>REIBEN FARRON DELIMA</u>	<u>Reiben Farron Delima</u>	<u>43 PROSPECT ST. HONOLULU HI 96813</u>	<u>delimafarron18@y.c</u> 808-425-7613
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
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NAME (Print Clearly)	SIGNATURE	HOME ADDRESS	EMAIL ADDRESS/PHONE NUMBER
Helen Agbayani		1328 Kam IV Rd., Hon 96819	
MELVEED ADDRESS		99-149 KULINA ST AIEA	
Haley Agbayani		1328 Kamehameha IV RD	
Krystie Menor		1635 Leilani St. Hon, HI 96819	
Angelyne Menor		1635 Leilani St. Hon, HI 96819	
MINDA ROCA		98-362 Kaim. 4 Area 96819	
Mandell Andres		60 N. Beretania, HI HI	
MELVEED ADDRESS		1 B. B. B. B., 1st. PHL	
Raymond John Pampo		155 GULICK AVE HON. HI 96819	
Shaylyn Andres		1411 Kalanipoi St. Pearl City	
ROMEL MENOR		4013 Keaka Dr. Hon. HI 96818	

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NAME (Print Clearly)	SIGNATURE	HOME ADDRESS	EMAIL ADDRESS/PHONE NUMBER
JUAN PASCUAL	<i>Juan Pascual</i>	1577 HALOA DR. HATTI 96818	
ANGELER MENOR	<i>Angela</i>	4013 Keaka Dr. Hon. HI 96818	
TESS PASCUAL	<i>T. Pascual</i>	1112 Wamaka St. Hon. HI 96818	
REY PASCUAL	<i>Rey Pascual</i>	" " " " "	
ANDREA PASCUAL	<i>Andrea Pascual</i>	1936 Kealahou St. Hon. HI 96817	
Flordeliza Sambar	<i>Flordeliza Sambar</i>	1114 Wamaka St. Hon. HI 96818	
Terry Espiritu	<i>Antonio R. Espiritu</i>	1937 Kealahou St. Hon. HI 96817	
Jesus Balala		} Theresa co-Cathedral of St. Parish	
Ornate Ermitania			
Lenore Ermitania			
Matelda Villones	<i>Willoway</i>	} 1937 Kealahou St. Hon. HI 96818	
Rubén Pascual	<i>Rubén Pascual</i>		
CONSTANCIA PASCUAL		1577 HALOA DR. HATTI Hon HI 96818	

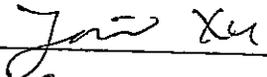
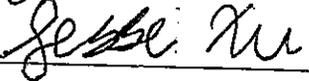
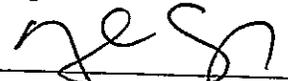
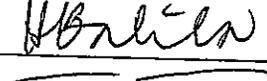
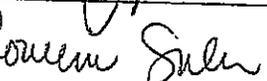
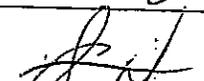
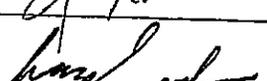
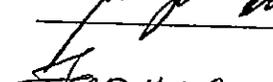
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NAME (Print Clearly)	SIGNATURE	HOME ADDRESS	EMAIL ADDRESS/PHONE NUMBER
Jenna Oliver	<i>Jenna Oliver</i>	87-211 Pakeke st.	
Sherrilyn Oliver			
Sherrilyn Oliver	<i>Sherrilyn Oliver</i>	87-211 Pakekest.	
Keely Oliver	<i>Keely Oliver</i>	87-211 Pakeke St.	
Edwin Moriwaki	<i>Edwin Moriwaki</i>	1842 HODOWAE ST. PC HI 96787	
Denise Yamada	<i>Denise Yamada</i>	94-217 Umeka Pl	
<i>Sean Olive</i>	<i>Sean Olive</i>	87211 Pakeke St	
<i>Me</i>	<i>Me</i>	71166-810	

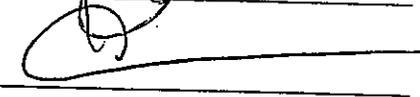
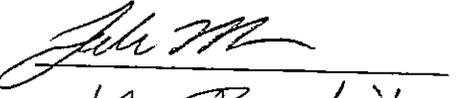
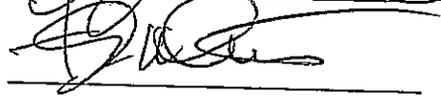
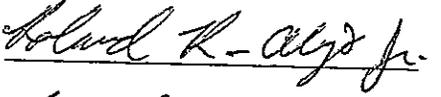
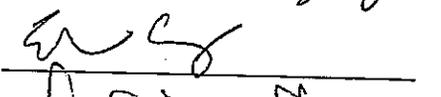
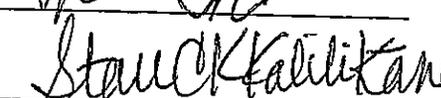
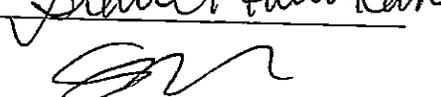
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JANSIN XU		232 Kuliouou Rd HNL 96821	jxu@kyd-inc.com
Jesse Xu		232 Kuliouou Rd	xuj18@kokohead.kiwi.nz
Mylene Cabaungan		94-203 Mahoe St.	mylenec89@hotmail.com
Mckenna Dooley		2028 C. Ohai Lane	medooley@hawaii.edu
HELEN BAILLA		4019 Maunaloa Ave.	hailahelen@yahoo.com
Marie de Leon		94-657 Maaniani Pl.	dleonmarie@gmail.com
Viam Manayan		94-341 Kahuahele St.	viam-manayan@gmail.com
NORILYN LEONARD		3270 WAIKALAE AVE	norilyn-leonard@aol.com
Rowena Sales		8255 HUI ST. HONOLULU	rowenacs_70@yahoo.com
ANTHONY B. MANTZ		210 ADAMS ST. FULFORD	anthonybman@yahoo.com
Hazel Edrada		99-230 Aiea, HI 96711	hazelsahagun@yahoo.com
Jasmine Xu		232 Kuliouou Road	jasminexu@hotmail.com

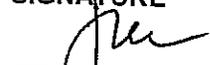
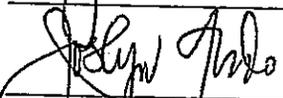
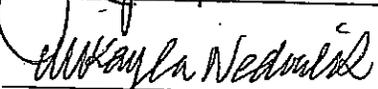
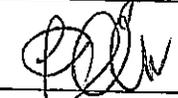
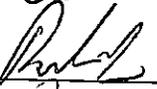
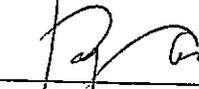
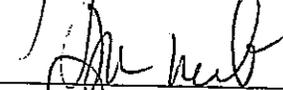
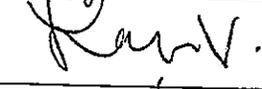
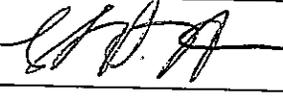
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NAME (Print Clearly)	SIGNATURE	HOME ADDRESS	EMAIL ADDRESS/PHONE NUMBER
<u>Autunyo An</u>		<u>99-080 KAUHALE ST</u>	<u>99ocamerahawaii@gmail.com</u>
<u>Kaipo Cordeira</u>		<u>94-514 Kupuohi St</u>	<u>Keordeira96792@gmail.com</u>
<u>Camille Cordeira</u>		<u>94-514 Kupuohi St</u>	<u>CamilleCordeira@gmail.com</u>
<u>JOSHUA MAAFALA</u>		<u>92-1373 KIKANA ST.</u>	<u>joshmaafala@gmail.com</u>
<u>Grego Baptista</u>		<u>99-216 MAHIKO PL.</u>	
<u>Flores Whittier</u>		<u>99-040 KIHOLE PL</u>	
<u>Roland R. Abejard Jr.</u>		<u>99-216A Mahiko Pl.</u>	
<u>ELVIN CHAN</u>		<u>95-056 WAIHEA PL HAWAII</u> HI 96789	
<u>Joseph Walker</u>		<u>6679 PLUMERIA LOOP HI 96818</u> HAWAII	
<u>Tim Wong</u>		<u>94-696 KUPUNA LN</u> WAIKANE	
<u>Starr Kalilikane</u>		<u>1728 Palamoi St.</u> PC HI	
<u>Sean Tuia</u>		<u>94-410 Kupuohi St.</u> 26	

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NAME (Print Clearly)	SIGNATURE	HOME ADDRESS	EMAIL ADDRESS/PHONE NUMBER
Joe Aleso		99-216A MAHIKO PC.	
Joslyn Ando		98-050 Ponokiwila St 96701	
Mikayla Nedovlik		95-601 Karamee St. #317	
Kristen Vega		5669 Haleola Street. 96824	
Ben Hung		1548 Na Adami St.	
Frances Finan		259 Mokuweh	
CHRISTIAN OJIMA		45-669 Anni Rd.	
ROBERTO LIM		91-1094 NUKUNA ST.	
Yan Cadavona		1637 Ala Mahina Pl	
Marion Niibu		1445 Kaweloka St. 96782	
Matalasi Valenzuela		99-060 Kauhale St. #003	
Leighton Martin		91-2020 Napoo St	

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NAME (Print Clearly)	SIGNATURE	HOME ADDRESS	EMAIL ADDRESS/PHONE NUMBER
<u>Iovani Alatini Jr.</u>	<u>Iovani Alatini Jr.</u>	<u>94-111 pupunohē st.</u>	<u>iovanialatinijr@gmail.com</u>
<u>Rey Matsui</u>	<u>Rey Matsui</u>	<u>1151 Kapiolani Pl.</u>	<u>dream99cfe@gmail.com</u>
<u>Ashlynn Herring</u>	<u>Ashlynn Herring</u>	<u>99-216A. Nahiko Pl.</u>	<u>aherring2018@gmail.com</u>
<u>Royce Perkins</u>	<u>Royce Perkins</u>	<u>41-1647 Humpunaa St</u>	
<u>Jeremy Sagisi</u>	<u>Jeremy Sagisi</u>	<u>3638 Alianahu St</u>	<u>Krazy Aun F hip 808@gmail.com</u>
<u>Jamarc Abella</u>	<u>Jamarc Abella</u>	<u>91-1523 pihī st.</u>	<u>jamarcabella@gmail.com</u>
<u>Ihna Antonio</u>	<u>Ihna Antonio</u>	<u>94-054- Lolua St Waipahu</u>	<u>ihna-antbnio@yc</u>
<u>Arianna Reyes</u>	<u>Arianna Reyes</u>		
<u>Vanessa Boyd</u>	<u>Vanessa Boyd</u>	<u>746. N. Judd St.</u>	<u>vboydos@gmail.com</u>
<u>Elise Kersten</u>	<u>Elise Kersten</u>	<u>Puna way</u>	
<u>BETHANI NAKOA</u>	<u>BETHANI NAKOA</u>	<u>WAIPAHU, HI 96797</u>	
<u>STEVEN SAMUEL DE GRUIT</u>	<u>STEVEN SAMUEL DE GRUIT</u>	<u>P.O. Box 31347</u>	<u>ZORROZABUR@GMAIL.COM</u>
		<u>Honolulu, Hawaii</u>	
		<u>96820</u>	

PETITION OPPOSING POLYSTYRENE FOODSERVICE CONTAINER BANS

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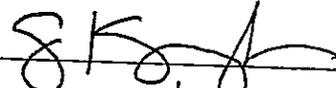
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SIGNATURE

HOME ADDRESS

EMAIL ADDRESS/PHONE NUMBER

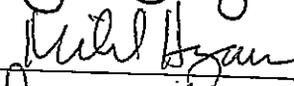
GRACE KIYOZUKA



3559 WAAKAMA ST
HONOLULU HI 96822

gkiyozuka@hotmail.com

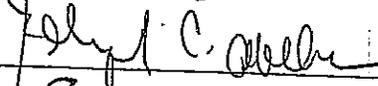
Michael Hasegawa



1013 Kinohi St. #1104 Hon. HI 96814

m205eds@aol.com

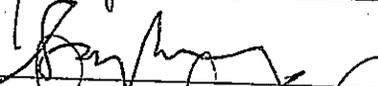
EDYSEL AMELIANO



829-A Kaleimela lan Honolulu HI 96817

593-2202

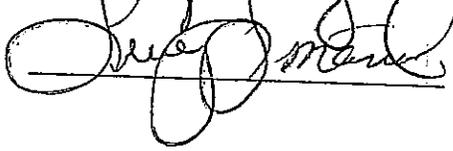
Sarah Valdes



245 Clark St, Wahiawa HI 96786

593-2202

LEROY L. MANUEL

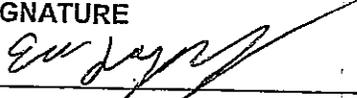
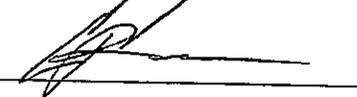
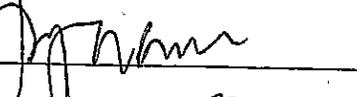


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593-2202

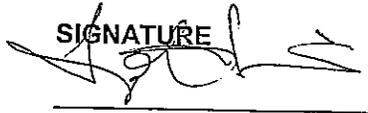
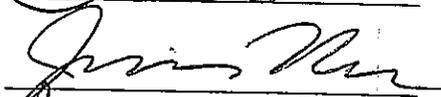
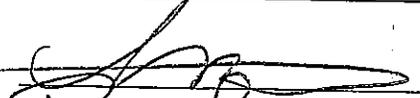
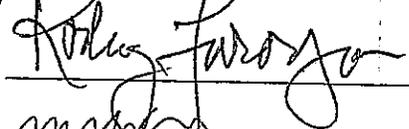
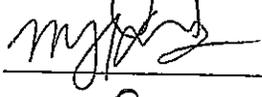
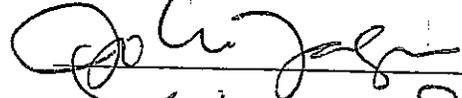
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NAME (Print Clearly)	SIGNATURE	HOME ADDRESS	EMAIL ADDRESS/PHONE NUMBER
Eric Vigeay		99-826 Lunaluwu Street	flipboi1@yahoo.com / 808-762-2362
Liptop Trau		94-627 Waiolu St	Liptoptrau@yahoo.com
BREEANA PIEUCH		98-1383 A Kaahumanu St.	
Jemina pasqua		99-241 Hailimauy Pl Area, #1	jeniramisa@yahoo.com
Kevin Dusemdschon		2339 Hoohei St.	akaaka10@aol.com
Andrew chon		99-060 Kauhale St. Apt 701	andrewchon209@gmail.com
Mary Maria		2615 Punihoni ^{Wahiawa} St #16786	mmaria80@aol.com
Raymond Antonio		98-887 740 Pl	grrrrrr.com

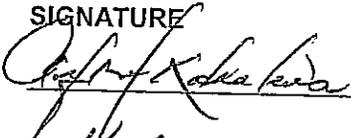
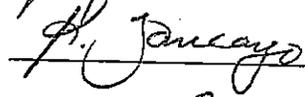
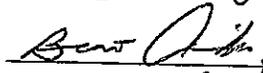
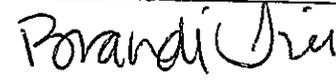
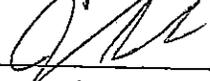
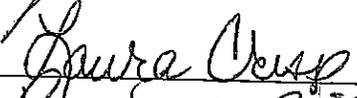
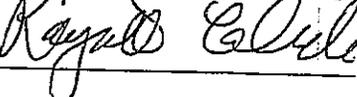
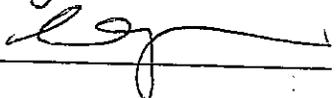
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NAME (Print Clearly)	SIGNATURE	HOME ADDRESS	EMAIL ADDRESS/PHONE NUMBER
<u>Loice Ostro</u>		<u>5/A</u>	<u>HAL@OLANCE</u>
<u>Nela Quintero</u>	<u>Nela P. Quintero</u>	<u>5100 Waihi St Honolulu HI 96818</u>	<u>224-7419</u>
<u>Anneka Evans</u>		<u>N/A</u>	
<u>Jimmy Ntkason</u>		<u>N/A</u>	<u>497 - 5266</u>
<u>JONATHAN ERMITANIO</u>		<u>66-949 ACENA LP. WAIHALUA HI 96791</u>	<u>729-4151</u>
<u>Michal Matus</u>		<u>98-1469 A Kakaia Hwy St.</u>	<u>277-7565</u>
<u>Ryan Vanada</u>		<u>3132 Woodlawn Dr</u>	<u>214-7520</u>
<u>RODNEY FURUYAMA</u>		<u>99-785 Hulana St.</u>	<u>264-3819</u>
<u>Maile Goodin</u>		<u>94-1003 KAUKAHI PL. B-11 WAIHALUA, HI</u>	<u>3919303</u>
<u>John Tagawa</u>		<u>71-1179 KAWIKI ST</u>	<u>783 1626</u>
<u>LUCY NARCISO</u>		<u>98-2057 KIPUKA ST.</u>	<u>NARCISOLB01@AOL.COM</u>
<u>ERIK FLORENCE</u>		<u>4725 Bougainville Dr</u>	<u>erik@eespwr.com</u>

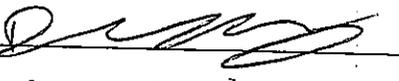
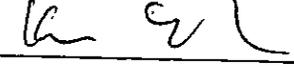
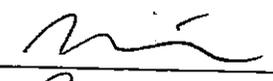
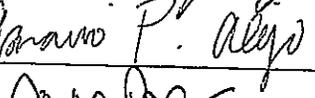
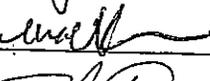
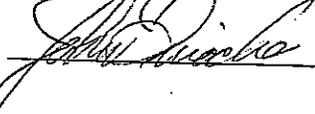
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NAME (Print Clearly)	SIGNATURE	HOME ADDRESS	EMAIL ADDRESS/PHONE NUMBER
ALFRED KAHALEWAH		99-205 MAHALUA RD	(808) 485-7604
Kauliki Tancaayo		98-357 Ponihiwa St.	216-2172
Bront Canida		98-604 Kilinoc St	(808) 253-1903
Brandi Tila		98053 Kinohi P	845 5101
REID NEBRITA		969 Au Kua Dr	387 0562
Leimakanoe Kanuha		P.O. Box 893426	
Mike Carreno		95-200 Halekua Pl.	
ELROY KUPPU		2976 ALA IUNA ST	
Jake Glocker		99-899 Meaala St	
Laura Crisp		99-899 Meaala St.	
Ragnette Tabata		99-206 A Mahalo Pl.	808 600 1978
OLAN FUSIARUA		99-647 AIEA HTS DR	673 1588

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NAME (Print Clearly)	SIGNATURE	HOME ADDRESS	EMAIL ADDRESS/PHONE NUMBER
Jacob Belaras		2116 Perry St	799-6467
Jayke Arista		94-1026e Hehular St	989-2419
Cory Hong		96-180 Pahemo St	230-5311
Devin Woley		2205 Auhuhu St	Devin@PCGamerzHawaii.co
Kane Samokawa		1465 Ala Wai Dr	sk18671194@gmail.com
Noa Fujimura		98-710 Kaamilo St	eistorelectronic@mac.com
Em Aiejo		99-215 Mahiko Pl. Area 96701	382-2028
Ben Aiejo Jr.		99-215 Mahiko Pl. Area 96701	382-2029
Amparo Aiejo		99-215 Mahiko Pl. Area 96701	4876658
Jay Repton		94-1155 LIMAHANA ST. Waiapae 96797	439-2489
Maki Kanno		815 Waiakamilo Rd Unit A Honolulu HI 96817	
John Quochio		5190 Likini St. Hon. HI 96818	808-753-7551

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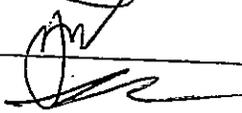
NAME (Print Clearly)

POVSTADT LEE

Jeraldine Ross

Keith Kato

SIGNATURE



HOME ADDRESS

EMAIL ADDRESS/PHONE NUMBER

(808) 388-9946

808-356-9272

808-393-9536



January 29, 2018

To: Councilmember Ron Menor, Chair & Presiding Officer
Members of the City Council, City and County of Honolulu

From: Tim Shestek, Senior Director
State Affairs

RE: **Bill 4 - OPPOSE**

The American Chemistry Council (ACC) must respectfully oppose Bill 4. ACC and its members certainly support efforts to reduce litter and marine debris; however, Bill 4 appears to be drafted under the false assumption that alternatives to polystyrene food service containers are environmentally preferable.

All packaging leaves an environmental footprint regardless of the material type. It takes energy and raw materials to produce, transport, and recover or dispose of any material. So it is important to measure all of these impacts throughout the entire lifecycle of a product. Consider the following:

- Polystyrene cups weigh anywhere from two to five times less than comparable paper packaging products which means fewer air emissions when transporting products¹.
- A polystyrene hot beverage cup requires about 50% LESS energy to produce than a similar plastic-coated paperboard cup with a corrugated cup sleeve, and creates significantly fewer greenhouse gas emissions than a similar coated paper-based cup with its corrugated sleeve.
- Studies conducted for Seattle Public Utilities (SPU) showed that banning polystyrene foam food take-out containers would dramatically increase environmental impacts by doubling the greenhouse gas emissions, energy use, and waste associated with the use of alternative products².

The amount of polystyrene foam foodservice that makes up litter is very small – measured at 1.5 percent of the overall litter stream in detailed litter surveys conducted in the U.S. and Canada³. ACC certainly shares your concerns over the implications of litter; however, focusing on a single material type does not reduce litter. The City of San Francisco banned polystyrene containers, but according to a 2008 litter audit conducted for the city, paper cup litter increased after the ban was enacted⁴. Bans result in litter substitution, not elimination.

It is also important to note that “bio based” or “degradable containers” only “degrade” in a controlled composting environment – essentially a large industrial facility where temperatures can exceed 140 degrees for several days. Hawaii does not currently have a commercial composting facility to process compostable alternatives, so these products will end up in a landfill. Biodegradable containers do not degrade if littered alongside the road, deposited into a trash can, nor will they degrade if they make their way into a storm drain or other water body.

¹ Life Cycle Inventory of Foam Polystyrene, Paper-Based, and PLA Foodservice Products, prepared by Franklin Associates, a Division of ERG, February, 2011

² Alternative to Disposable Shopping Bags and Food Service Items Volume I, prepared for Seattle Public Utilities, January 2008, Herrera Environmental Consultants

³ The Contribution of Polystyrene Foam Food Service Products to Litter, Environmental Resources Planning, Gaithersburg, MD, May 2012

⁴ The City of San Francisco Streets Litter Re-Audit 2008, Prepared for the City of San Francisco Environment Department, July 4, 2008



The Biodegradable Products Institute (BPI), a not-for-profit association of key individuals and groups from government, industry, and academia seeks to educate manufacturers, legislators and consumers about the importance of scientifically based standards for compostable materials which biodegrade in large composting facilities. Under their "Myths of Biodegradation", BPI states:

Myth: Biodegradable products are the preferred environmental solution because waste simply biodegrades in the landfill.

Reality: Nothing biodegrades in a landfill because nothing is supposed to⁵.

Furthermore, replacements for polystyrene products will likely result in higher operating costs for restaurants, caterers, delis, and other food providers. Polystyrene containers cost 2-3 times less than replacement products, which in some cases do not perform well, especially for very hot and cold food and beverages.

For more than 50 years, the U.S. Food and Drug Administration has approved the use of polystyrene for foodservice products. Polystyrene foodservice products offer a sanitary way to serve fresh food and to help prevent the spread of disease at schools, restaurants, and hospitals.

Health experts and agencies (see included attachment) have all agreed and stated that styrene should not be confused with polystyrene, and levels of styrene in polystyrene foodservice products pose no risk to consumers. It's important to understand the differences between styrene and polystyrene. Styrene, a liquid, and polystyrene, a solid, are fundamentally different. Styrene is a liquid that can be chemically linked to create polystyrene, which is a solid plastic that displays different properties. Polystyrene is an inert plastic that can be used to make many products, such as polystyrene foam used to make disposable plates, cups and other foodservice packaging.

ACC and its members take seriously the issue of litter and marine debris. To that end, ACC is working domestically and internationally with government officials, retailers, anti-litter groups and consumers to devise solutions to prevent litter and marine debris.

Some of our more recent activity includes helping develop new and innovative recycling programs nationwide; promoting industry-wide practices to contain plastic pellets; partnering with governments and conservationists to encourage recycling and discourage litter; working to educate children on the link between litter and marine health; working with the National Oceanic and Atmospheric Administration to advance scientific understanding of marine debris; and continuing to innovate and develop smaller, lighter packaging. More information about our activities to help reduce marine debris can be found at: <http://www.marinedebrissolutions.com>.

Additionally, last year ACC partnered with the City and County of Honolulu on a pilot project to find and close off potential pathways for trash from land-based sources to migrate into the marine environment. One of the primary sources of litter found near waterways and beaches on Oahu is uncovered public trash cans that allow garbage to blow out. Through our partnership, ACC and the City and County of Honolulu identified a better design for outdoor public garbage cans to keep trash out of parks, and most importantly, out of waterways and the ocean.

ACC believes that reducing landfill disposal, marine debris and litter requires the implementation of a variety of tools. In addition to efforts that seek to increase recycling and improve solid waste collection infrastructure, opportunities to recover non-recycled plastics may be an option as well. An emerging set of technologies is allowing governments and businesses to convert non-recycled plastics into energy, fuels, and feedstocks, or raw materials for new manufacturing. A range of energy recovery technologies are being used to complement recycling in helping to divert more valuable post-use materials from landfills. Some of the most widely used and rapidly emerging technologies include waste-to-energy, plastics-to-fuels, gasification, and solid recovery fuels.

⁵ See <http://www.bpiworld.org/Default.aspx?pageid=190439>



Experts agree that improving waste management is the key to addressing marine debris. Attempts to reduce marine debris through product bans fail to recognize the underlying source of marine debris in developed countries, litter. Thank you in advance for considering our views. If you have any questions or comments, please do not hesitate to contact me at 916-448-2581 or via email at Tim_Shestek@americanchemistry.com. You may also contact ACC's Hawaii based representative Ross Yamasaki at 808-531-4551.



The Safety of Polystyrene Foodservice

Health Experts' and Agencies' Views

U.S. National Toxicology Program (NTP)

Dr. Linda Birnbaum, Ph.D., Director, U.S. National Toxicology Program was quoted widely in Associated Press reports in June 2011: "Let me put your mind at ease right away about polystyrene foam*" ... [the levels of styrene from polystyrene containers] "are hundreds if not thousands of times lower than have occurred in the occupational setting...In finished products, certainly styrene is not an issue." *Source: news reports of Associated Press story, June 2011*

John Bucher, associate director of the National Toxicology Program, was quoted in Associated Press reports in August 2011: "The risks, in my estimation, from polystyrene are not very great," he said. "It's not worth being concerned about."

Source: news reports of Associated Press story, August 2011

U.S. National Institutes of Environmental Health Sciences (NIEHS)

NIEHS in June 2011 noted: "Styrene should not be confused with polystyrene (foam)*. Although styrene, a liquid, is used to make polystyrene, which is a solid plastic, we do not believe that people are at risk from using polystyrene products."

Source: NIEHS web site

Otis Brawley, Chief Medical Officer, American Cancer Society

Bloomberg News in June 2011 reported that Brawley said, "Consumers don't need to worry about polystyrene cups and food containers..." Quote: "I see no problems with polystyrene foam* cups."

Source: Bloomberg News, June 2011

Food & Drug Administration

Based on scientific tests over five decades, FDA has determined that polystyrene is safe for use in foodservice products. Polystyrene meets the FDA's stringent standards for use in packaging both to store and to serve food.

Harvard Center for Risk Analysis

A twelve-member panel of international experts selected by the Harvard Center for Risk Analysis reported in 2002 that the very low levels of styrene present in foods – whether naturally occurring or from polystyrene foodservice products – does not represent a concern to human health.

For more information on polystyrene foodservice: www.plasticfoodservicefacts.com

For more information on styrene: youknowstyrene.org

* Original quotes used the term "Styrofoam". STYROFOAM™ is a registered trademark of The Dow Chemical Company that represents its branded building material products, including rigid foam and structural insulated sheathing, and more. The brand name often is misused as a generic term for foam foodservice products.

Honolulu Bill 4
Relating to Polystyrene Foam Containers
In Strong Support

Hearing Date: Wednesday, January 31st, 2018
Hearing Time: 10:00 AM
Committee: Full Council

Aloha Honolulu County Council Members,

My name is Natalie Wohner and I am a resident of Manoa. I am writing in full support of Bill 4 to prohibit the use of polystyrene foam containers on the island of O'ahu.

Being a year-long volunteer for the Surfrider Foundation I know that expanded polystyrene (EPS) foam containers are the least recycled form of plastic and the most littering items found at beach cleanups. Being a scientist, I know that EPS foam is also the most toxic food container according to numerous studies, especially when served with hot liquids. It is very shocking for me to see that so many people, including children at schools, still get their food served in EPS foam containers, not knowing how much they risk their health.

Most people indeed are not aware of the negative impact of EPS foam containers on health and the environment. Therefore it is our duty, yours and mine, to protect those who do not know and those who trust in the honorable decisions that are made by you to protect their health.

I am born and raised in Germany and when I moved to O'ahu six years ago, I could not believe how many people eat their food out of EPS foam containers producing tons of waste and damaging their health. Growing up in Europe and traveling to many countries, the US is by far the worst regarding using single use items such as EPS food containers or plastic bags and bottles. It is only a question of time until EPS foam will get banned on O'ahu, following Maui and Big Island, but it will get banned.

The islands and our health should be our highest priority and it is our role to protect it. I am very optimistic that Hawai'i can play a leader role in protecting our environment from such health and environmental hazards by banning EPS foam food containers. Thank you very much for considering my testimony and thank you for your time.

Aloha nui loa,
Natalie Wohner

Contact: natalie.wohner@gmail.com

From: CLK Council Info
Sent: Tuesday, January 30, 2018 5:18 PM
Subject: Parks, Community and Customer Services Speaker Registration/Testimony

Speaker Registration/Testimony

Name Jennifer Hee
Phone 8083519471
Email jennifermeleana@gmail.com
Meeting Date 01-31-2018
Council/PH Committee Parks
Agenda Item Bill 4
Your position on the matter Support
Representing Organization Juicy Brew
Do you wish to speak at the hearing? No

Written Testimony

In our efforts to be as eco minded as possible to malama 'aina, we have never used polystyrene foam since opening three years ago. We support local agriculture as much as possible, and using packaging that damages the environment does not support this island's present or future well being. It is effortless to be foam free, as every container distributor that we have interacted with offers eco friendly packaging. We would absolutely lose customers if we started using styrofoam products.

Testimony Attachment

Accept Terms and Agreement 1

From: CLK Council Info
Sent: Tuesday, January 30, 2018 5:47 PM
Subject: Public Health, Safety and Economic Development Speaker Registration/testimony

Speaker Registration/Testimony

Name	Alison Crowley
Phone	2487190266
Email	Alisoncrowley66@gmail.com
Meeting Date	01-31-2018
Council/PH Committee	PublicHealth
Agenda Item	Bill 4
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	Our oceans are a resource we can't afford to contaminate with no biodegradable materials.
Testimony Attachment	
Accept Terms and Agreement	1

From: CLK Council Info
Sent: Tuesday, January 30, 2018 5:42 PM
Subject: Council Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Christina Wilson
Phone	808-778-2368
Email	christinaadolpho@yahoo.com
Meeting Date	01-31-2018
Council/PH Committee	Council
Agenda Item	Bill 4
Your position on the matter	Oppose
Representing Organization	Organization Waiahole Poi Factory
Do you wish to speak at the hearing?	No
Written Testimony	We cannot afford to use different material. Instead of banning materials, we should find real solutions to our waste problem.
Testimony Attachment	
Accept Terms and Agreement	1

From: CLK Council Info
Sent: Tuesday, January 30, 2018 5:53 PM
Subject: Public Works, Infrastructure and Sustainability Speaker Registration/testimony

Speaker Registration/Testimony

Name Christina Wilson
Phone 808-778-2368
Email christinaadolpho@yahoo.com
Meeting Date 01-31-2018
Council/PH Committee PublicWorks
Agenda Item Bill-4
Your position on the matter Oppose
Representing Organization
Organization Waiahole Poi Factory
Do you wish to speak at the hearing? No
Written Testimony We cannot afford to use a different material. Instead of banning materials, we should find real solutions to our waste problem.
Testimony Attachment
Accept Terms and Agreement 1

From: CLK Council Info
Sent: Tuesday, January 30, 2018 6:19 PM
Subject: Council Speaker Registration/Testimony

Speaker Registration/Testimony

Name Nikos Leverenz
Phone 9167529844
Email naleverenz@gmail.com
Meeting Date 12-31-2018
Council/PH Committee Council
Agenda Item Bill 4
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

I am writing in support of Bill 4 to reduce the use polystyrene foam on O'ahu.

I have recently returned to Honolulu after 25 years in California, where I was privileged to study politics and law and participated its lawmaking process as a staffer and legislative advocate. Styrofoam usage was a contentious issue there as well. Limits have been enacted in many jurisdictions there, particularly among coastal cities and counties.

Written
Testimony

As a consumer who has become more mindful of the ecological implications of the production, packaging, and disposal of products over time, I appreciate the efforts of state and local policymakers who are vigilant about sustainability. I also consciously support businesses like World Centric and EarthChoice, which produce food service products that are less harmful to the environment.

As the Council deliberates the fiscal viability of maintaining its modest recycling program, it is even more imperative to pursue policy options that operate to reduce those environmental harms associated with mass consumption before waste is placed into the stream of disposal.

Styrofoam is a petroleum-based product that does not readily degrade. As such, if and when it reaches the ocean it is likely to be

ingested by marine life or join a floating island of garbage that is a vivid example of a wayward consumer culture and reckless waste mismanagement.

I hope that this committee will adopt this sensible policy. It will benefit this island's waterways, the ocean, and the magnificent array of life that requires increasingly conscientious public stewardship.

Thank you for your kind consideration.

Testimony
Attachment
Accept Terms
and Agreement

1

From: CLK Council Info
Sent: Tuesday, January 30, 2018 11:38 PM
Subject: Council Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Danielle shemesh
Phone	8082602757
Email	Dshemesh11@gmail.com
Meeting Date	01-31-2018
Council/PH Committee	Council
Agenda Item	Ban styrafoame
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	Yes
Written Testimony	It's toxic, causes cancer and so much pollotion and waste!
Testimony Attachment	
Accept Terms and Agreement	1

From: CLK Council Info
Sent: Tuesday, January 30, 2018 7:45 PM
Subject: Council Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Tom Eisen
Phone	808 392 8559
Email	Palolo.tom@gmail.com
Meeting Date	01-31-2018
Council/PH Committee	Council
Agenda Item	Bill 4
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	
Testimony Attachment	
Accept Terms and Agreement	1

From: CLK Council Info
Sent: Tuesday, January 30, 2018 8:39 PM
Subject: Council Speaker Registration/Testimony

Speaker Registration/Testimony

Name Ted Bohlen
Phone 808 294-3689
Email Tbohl8@yahoo.com
Meeting Date 01-31-2018
Council/PH Committee Council
Agenda Item Bill 4
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Written
Testimony

Please ban polystyrene foam containers! They litter our streets, kill marine life including precious coral reefs, and poison the fish we eat with carcinogens. The cost savings in litter cleanup and the improved environment that will result from a ban greatly exceed the extra cost of available compostable alternatives. Manufacturers should avoid job losses by shifting to producing additional compostable alternatives. Businesses can recover from consumers the small additional costs per clamshell. Total societal costs will be lower with litter savings and improved environment.

Testimony
Attachment
Accept Terms
and Agreement 1

From: CLK Council Info
Sent: Tuesday, January 30, 2018 8:52 PM
Subject: Council Speaker Registration/Testimony

Speaker Registration/Testimony

Name Rebecca
Phone 8082203734
Email rebecca.a.pang@gmail.com
Meeting Date 01-31-2018
Council/PH Committee Council
Agenda Item Bill 4
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Written Testimony

As a longtime Hawaii resident and ocean lover, I'm brokenhearted to see more and more plastic and styrofoam littering our coastlines and beaches. I support Bill 4 which seems like a reasonable way to help lead our islands to a cleaner, more sustainable future.

Testimony Attachment

Accept Terms and Agreement 1

From: CLK Council Info
Sent: Tuesday, January 30, 2018 10:01 PM
Subject: Council Speaker Registration/Testimony

Speaker Registration/Testimony

Name Alan B. Burdick
Phone 808-486-1018
Email Burdick808@gmail.com
Meeting Date 01-31-2018
Council/PH Committee Council
Agenda Item Bill 4
Your position on the matter Support
Representing Organization
Organization Environmental Caucus of Democratic Party
Do you wish to speak at the hearing? No

Written
Testimony

Honolulu must ban Styrofoam containers! They litter our streets, kill marine life including our essential coral reefs, and poison the fish we eat with carcinogens. The cost savings in litter cleanup and the improved environment that will result from a ban greatly exceed the additional cost of compostable alternatives that are readily available. Manufacturers can easily avoid job losses by shifting to producing compostable alternatives. Our local businesses can recover from consumers the small additional costs per clamshell. Total societal costs will be MUCH lower with litter savings and improved environment.

Testimony
Attachment
Accept Terms
and Agreement

1

From: CLK Council Info
Sent: Tuesday, January 30, 2018 10:17 PM
Subject: Council Speaker Registration/Testimony

Speaker Registration/Testimony

Name Michael Foley, Ph.D.
Phone 8082817043
Email Haikulani@gmail.com
Meeting Date 01-31-2018
Council/PH Committee Council
Agenda Item Bill 4
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Written Testimony

Please except my humble request to consider that since the science and the data suggests that Styrofoam containers are bad for public health and the environment that you would ban the use of such materials and allow the market for healthier and more sustainable alternatives to prosper. Aloha

Testimony Attachment

Accept Terms and Agreement 1

From: CLK Council Info
Sent: Wednesday, January 31, 2018 12:08 AM
Subject: Council Speaker Registration/Testimony

Speaker Registration/Testimony

Name Jacqueline Chico
Phone 908-451-9982
Email jnun35@gmail.com
Meeting Date 01-31-2018
Council/PH Committee Council
Agenda Item Bill 4
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Written
Testimony

Polystyrene foam is causing harm to our environment and only causing waste to multiply costing the state and counties more money to clean up. Polystyrene foam products are not biodegrade and only break down to small micro plastics. Marine life are also ingesting these small pieces of plastic. There are many alternatives for single use plastic and some business have already chosen to use Eco-friendly products that are compostable or re-usable. Please pass bill 4 for the protection of our islands and it's marine life.

Testimony
Attachment
Accept Terms
and Agreement 1



Jan. 30, 2018

RE: Support for Bill Relating to Polystyrene Disposable Food Containers (Bill 4)

Honolulu City Council Hearing on Wed., Jan. 31, 10:00am.

Dear Chair Menor and Council Members,

As the Hawaii Manager of the Surfrider Foundation, I am writing in strong support of Bill 4 to regulate the use of polystyrene food containers. With the support of Surfrider's Hawaii Chapters and the thousands of members across the state, we are committed to reducing the litter and environmental hazards of foam and other single-use plastics because we clean many of the coastal areas across the state and have seen the damage first-hand.

Polystyrene food products are one of the most littered items in our Islands, and Oahu is no exception. Our Hawaii Chapters support this bill because of the health and environmental threats that affect all of us in Hawaii. Expanded polystyrene (EPS) foam containers are the most toxic and least recycled form of plastic, yet Hawaii has one of the highest per capita uses in the country.

The foam industry opponents will say it's recyclable, but less than 1% is ever recycled. They will also say that it's a "litter problem," but the plastics industry has been using this tactic and blaming the public for decades without producing products that are actually recyclable. An EPS foam ban was implemented in San Francisco, and there was a 30% decrease in EPS litter within one year (San Francisco Street Litter Re-Audit, 2008). Over 100 cities and counties across the country have enacted EPS foam bans, decreasing litter and saving money. Both Maui and Hawaii Counties have passed recent bans and now it's time for Oahu to do the same. For a list of bans, see: <http://www.surfrider.org/pages/polystyrene-ordinances>.

Industry lobbyists will also say that banning polystyrene food containers will hurt small businesses, but there are many restaurants that have dropped these products and are doing just fine. In fact, the new Ocean Friendly Restaurants Hawaii program has certified almost 140 restaurants that are foam-free in the last 14 months! Here's a partial list of all the restaurants in Hawaii: www.oceanfriendlyrestaurantshawaii.org.

During our monthly beach cleanups around the state, EPS foam products are among the top items we find every time. In fact, as part of International Coastal Cleanup Day last year, 17,383 cups, plates and pieces of EPS foam were removed from Hawaii's beaches in a single day on Sat., Sept. 19th, 2015! That's why we need this bill, which would help reduce these litter problems and environmental issues by requiring restaurants and food service vendors to stop using toxic EPS foam containers.

We embrace a policy of "1, 2, C," meaning products should be recyclable #1 & #2 plastics or compostable, which is in line with the state's Zero-Waste Policy. There are many compostable or non-toxic plastic alternatives that can be recycled, and every distributor carries them. Why does one local foam producer carry more favor than the other local companies that are doing the right thing by promoting compostable & recyclable products?

This bill provides vendors and restaurants enough time to use their remaining inventory and transition to safer products, which hundreds of restaurants have already done without any problems. Although foam products may be cheaper to buy, they have a hidden cost that counties and citizens have to pay to clean them up. A recent Hawaii Dept. of Transportation report stated that banning plastic bags and Styrofoam would save millions of dollars for the state, and this bill will help save the County millions as well.

Surfrider Foundation Hawaii Chapters * 2927 Hibiscus Pl. * Honolulu, HI 96815
808-381-6220 * scoleman@surfrider.org * www.surfrider.org



Although the FDA approved EPS foam products in 1958, the science since then has shown that these are toxic products. Here are some top reasons why EPS foam food service products are dangerous and wasteful:

1. EPS foam is a toxic form of plastic made from non-renewable fossil fuels and synthetic chemicals like styrene that leach out over time, especially in contact with hot, greasy or acidic food.
2. According to the National Institutes of Health (NIH), styrene is a dangerous carcinogen and neurotoxin that can lead to cancer, lymphoma and leukemia. The EPA says 100% of humans have styrene in their fat tissues.
3. Because EPS foam food service products are more than 90% air, they break apart easily and are often blown into our coastal areas and out to sea, where they are listed as one of the top 10 items collected at beach cleanups.
4. EPS foam never biodegrades but only breaks into smaller micro-plastics. These pieces act like sponges for toxic chemicals in the ocean and are consumed by marine creatures who mistake them for food. More than 660 marine species are known to ingest plastics, including endangered species like sea turtles and albatross.
5. Hawaii has one of the highest per capita rates of take-out food in the country, and many food containers are made of EPS foam products whose toxic chemicals threaten the health of humans and the environment.
6. Most of these products end up at H-Power, but foam doesn't incinerate well because it's a high-heat flash-burn, instead of a slow, steady burn like compostable and other products.

Along with the facts above, there have been many scientific studies showing the harmful effects of polystyrene foam. Based on the overwhelming evidence against foam, Maui and Hawaii Counties have already passed bills earlier this year to reduce polystyrene food products. The amount of testimony for these bills was overwhelmingly in favor of reducing polystyrene food containers. Though it's tempting to be swayed by the exaggerated claims of lobbyists for a few local foam producers and distributors, these same companies already carry and distribute more eco-friendly recyclable and compostable products because they see the writing on the wall against foam litter. Scientific research and public sentiment have created a compelling case against foam products, and more than 100 cities and counties have already enacted successful foam bans. Polls show that most people in Hawaii support banning foam food products.

We appreciate that the Council has been an environmental leader in the state in moving forward policies like the bills to ban plastic bags and create smoke-free parks & beaches, and we ask you to assert that same leadership on this issue. Because polystyrene food service products are toxic to the environment and human health, their use should be banned. There are many available and affordable alternatives that are non-toxic, biodegradable and pose no threats to the environment or human health and will cost the counties less to clean up. Protecting our land and people should be our top priority, not allowing a few companies to profit from outmoded products that harm the environment and our wildlife. Mahalo for your leadership on this issue.

Aloha,

Stuart Coleman
Stuart H. Coleman, Hawaii Manager

Surfrider Foundation Hawaii Chapters * 2927 Hibiscus Pl. * Honolulu, HI 96815
808-381-6220 * scoleman@surfrider.org * www.surfrider.org

UNIVERSITY OF CALIFORNIA, SANTA BARBARA



BERKELEY DAVIS IRVINE LOS ANGELES MERCED RIVERSIDE SAN DIEGO SAN FRANCISCO

SANTA BARBARA SANTA CRUZ

DOUGLAS J. MCCAULEY
ASSISTANT PROFESSOR
DEPARTMENT OF ECOLOGY, EVOLUTION, AND MARINE BIOLOGY

30 January 2018

Dear Councilmembers,

Thank you for your willingness to review my testimony. I am a Professor of Marine Biology at UC Santa Barbara. I have been studying ocean ecosystems for over 15 years, largely in the Pacific, including in areas around Oahu. I am writing in strong support of Bill 4, the bill to reduce use of polystyrene food containers in the City and County of Honolulu. Plastic pollution, including polystyrene, is entering the oceans at an alarming rate and affecting ocean health. I have had the unfortunate ability to observe this occur in the sites where I conduct my research. I draw your attention to three important points regarding the negative impacts of polystyrene and plastic pollution in Hawaii's waters:

- Plastic is known to negatively impact some of Hawaii's most charismatic, economically valuable, and ecologically important marine animals: sea turtle, manta rays, seabird, and fish. Scientists project that polystyrene and other plastics will be found in 99% of seabirds by 2050 (Proceedings from the National Academy of Sciences 2015).
- Ocean species are harmed by ingested plastic pollution causing mechanical blockages [e.g., gastrointestinal obstruction in seabirds] and chemical poisoning. Deleterious chemical effects are caused because fragments of this pollution can contain contaminants added during plastic manufacture or acquired from seawater through absorption processes.
- Research is continuing to highlight plastic pollution entering into marine food chains and human seafood systems. This includes both the polystyrene/plastic fragments themselves and the chemical toxins they have absorbed. This affects a range of species including a number of iconic seafood species in Hawaii, such as mahi-mahi.

Thank you for taking this positive step forward not only for the present-day ocean and human health, but for future generations. I am pleased that your Council is cognizant and reactive to the important linkages between human health and ocean health.

Regards,

A handwritten signature in black ink that reads "Douglas J. McCauley".

Dr. Douglas McCauley

From: CLK Council Info
Sent: Wednesday, January 31, 2018 12:53 AM
Subject: Public Works, Infrastructure and Sustainability Speaker Registration/testimony

Speaker Registration/Testimony

Name John Aaron Katzeman
Phone 8084461250
Email katzeman@hawaii.edu
Meeting Date 01-31-2018
Council/PH Committee Public Works
Agenda Item Bill 4
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Written Testimony For economic, public health, and environmental reasons--especially the protection of our ocean and atmosphere for the present day population, future generations, and countless species who are affected by our lack of regard to their own livelihood--please support and pass Bill 4 and place a ban on polystyrene foam in the city and county of Honolulu

Testimony Attachment

Accept Terms and Agreement 1

From: CLK Council Info
Sent: Wednesday, January 31, 2018 2:25 PM
Subject: Council Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Kaylyn
Phone	8082950144
Email	emilkaylyn@yahoo.com
Meeting Date	01-31-2018
Council/PH Committee	Council
Agenda Item	Bill 4
Your position on the matter	Support
Representing Organization	Self
Do you wish to speak at the hearing?	No
Written Testimony	We need less trash, especially less foam on our islands. Reusable containers are the answer! Or for restaurants, cardboard containers.
Testimony Attachment	
Accept Terms and Agreement	1