

SB 2342

RELATING TO ROADWAY PARTICULATE MATTER POLLUTION CONTROL.

Requires state agencies to purchase, install, and maintain aftermarket equipment of state vehicles certified to capture and remove environment re-entrained particles and tire and brake wear emissions; extends to twenty-four months the certificates of inspection for motor vehicles with such equipment; requires the director of transportation to certify such equipment; requires fleet vehicles to be equipped with such equipment as a condition of initial and renewal registration. Sunset 12/31/16.



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
869 PUNCHBOWL STREET
HONOLULU, HAWAII 96813-5097

February 6, 2012

SB 2342
RELATING TO ROADWAY PARTICULATE MATTER POLLUTION CONTROL

SENATE COMMITTEE(S) ON TRANSPORTATION AND INTERNATIONAL AFFAIRS
and ENERGY AND ENVIRONMENT

The Department of Transportation (DOT) opposes this bill. The purpose of the PMVI is to ensure that required vehicle components and safety equipment are functioning properly. Installing the filters will not influence the function of any of these items. For example, the filters will not prevent a head lamp from burning out. Therefore, the period between inspections should not be associated with the installation of the filters.

Another difficulty with the bill is that it indicates that implementation is for a pilot project, giving the impression that there is going to be an effectiveness evaluation before the requirement is extended to all vehicles. The DOT is not aware of any valid study that verifies the extent of pollution that this situation poses to our environment.

Further, we have concerns about requiring the DOT to certify the particulate matter pollution equipment. We are not capable of conducting certification tests. We believe that assuming the cost of an independent facility to test the equipment and to certify that it is capable of trapping specific particulates should be a responsibility of the manufacturer.

Finally, we would recommend that any action requiring specific equipment to address environmental concerns be initiated by the United States Environmental Protection Agency as they are the agency with the authority to enforce environmental/pollution matters.

Thank you for the opportunity to provide testimony.





UNIVERSITY
of HAWAII
MĀNOA

Water Resources Research Center
Environmental Center

February 05, 2012
RL: 2275

SB 2342
RELATING TO ROADWAY PARTICULATE MATTER POLLUTION CONTROL

Senate Committee on Transportation and International Affairs
Senate Committee on Energy and Environment
Public Hearing – Monday, February 06, 2012
1:17 p.m., State Capitol, Conference Room 224

By
David Penn, Environmental Center
COMMENTS ONLY

Dear Chairs English and Gabbard, Vice Chairs Espero and English, and committee members,

The Environmental Center supports the intent of Senate Bill 2342 to reduce human and environmental exposure to roadway particulate matter pollution. However, we are curious about the projected removal efficiency and cost-effectiveness of the aftermarket control equipment proposed in the bill, as compared with that of other long-term pollution control alternatives. For example, other states are working with industry and the Environmental Protection Agency to implement legislation that limits the amounts of heavy/toxic metals and other pollutants, such as asbestos, that can be present in brake pads. *See Jim Motavalli, Movement to Banish Copper From Brake Pads Gains Momentum, The New York Times, February 03, 2012 (attached).*

For many roadway particulates and other transport-related pollutants, it may be easier to control pollution by eliminating the source of a pollutant in vehicle components altogether, rather than by trapping and disposing of the pollutant as it separates from its source components. If the legislature is interested in analyzing this kind of alternative and developing related legislation, the Environmental Center may be able to help.

Thank you for considering our testimony on this proposed legislation. Please note that our testimony is advisory only and should not be construed to represent an official institutional position of the University of Hawaii.

The New York Times

Wheels

The Nuts and Bolts of Whatever Moves You

FEBRUARY 3, 2012, 6:00 AM

Movement to Banish Copper From Brake Pads Gains Momentum

By *JIM MOTAVALLI*

Government at the state and federal levels has been preoccupied with improving the fuel economy of the nation's fleet. Smaller environmental causes are also in the mix, including mercury in car switches and lead weights used to balance auto wheels.

Add to these copper brake pads, which produce metal dust that environmental advocates say reaches waterways and harms aquatic life.

The issue has gained traction in the legislatures of California and Washington, where bans on the pads were enacted in 2010. These victories have inspired bills introduced recently in Rhode Island, New York and Oregon.

Manufacturers use copper because it effectively transfers away the heat produced when brake pads rub against rotors. But with the legislative movements gaining momentum, companies are exploring alternatives to copper and other potentially hazardous materials.

"Each time a driver uses their brakes, a small amount of copper and other metals are deposited on roadways from the brake pad," according to literature on the Web site of the Ecology Department in Washington State. "These metals then wash into our streams and rivers. With millions of drivers using their brakes each day, these small amounts significantly impact our waterways, including Puget Sound." The state says that brake pads "account for up to half of the copper entering our water from urban areas."

By 2021, brake pads containing more than 5 percent of the metal will be banned in Washington. Pads made as original equipment for cars built before 2021 are exempt from the law. The California ban is similar, though it also requires the use of pads with 0.5 percent copper or less by 2025. Pending a 2015 review of available alternatives to copper, Washington may eventually enact a 0.5 percent ban of its own.

The bills in Washington and California also require manufacturers to stop selling pads with more than minute amounts of asbestos, cadmium, chromium, lead and mercury by 2014.

Manufacturers have adopted a collaborative approach to the problem through the Brake Pad Partnership, a consortium consisting of the Brake Manufacturers Council, the Environmental Protection Agency, Ford Motor Company, General Motors and various state water agencies. "We ended up supporting both pieces of state legislation," Ann Wilson, a senior vice president at the Motor and Equipment Manufacturers Association, the parent group of the manufacturers council, said in a telephone interview.

Ms. Wilson said she thought that additional state bans were unnecessary because existing legislation would lead to an industrywide change in brake pad formulations. "It's important to recognize that what these two states have done will impact vehicles around the country, from cars to heavy trucks," she said. "Our members are not going to design California-only brake pads."

But Kathryn Phillips, California director of the Sierra Club, said in a telephone interview that this was not this time to abandon the quest for more state bans.

"Catalytic converters came to California first, and it took a while for them to go national," she said. "The auto industry is more willing to do the right thing today than it was 40 or even 10 years ago, but it's helped that states have taken the lead and made clear they expect good behavior."

Others are looking beyond state regulations. FDP Friction Science, which makes copper-free brake pads, is a sponsor of a coming petition campaign, called Give Water a Brake, that would seek nationwide bans of copper brake pads in the United States and Canada. The campaign is organized in part by Earthgarage.com, an informational site that also promotes green auto products, including FDP's EcoStop brake pads.

"The copper ban is a sleeper of an issue," Bob Leonard, the chief executive of Earthgarage, said in an interview. "Many of the environmental groups I've approached, some fighting water pollution, aren't aware of the brake pad problem."

February 3, 2012
Jeffrey Krantz
137 Kaulana Way
Honolulu, Hi 96821
808 781 2004

Senator Kalani English chairman
Committee on Transportation and International Affairs
Senator Will Espero, Vice Chair
Committee members- Transportation and International Affairs Committee
Senator Mike Gabbard, Chair
Committee on Energy and Environment
Committee Members

Dear Senators:

Thank you for the opportunity to provide testimony to you here today.

My name is Jeffrey Krantz and I strongly support SB2342. I am a local business owner in Honolulu and have become familiar with the particulate problem over the last ten years. I have a deep understanding of the health problems it brings and have concerns for the people near roadways. I have read many studies that correlate high concentrations of fine particles to health risks the closer we are to roads. The Island of Oahu faces some very difficult challenges as we are so confined and the options to have a safe distance from the roads/ pollution corridors are just not possible.

The main problem is we have a large number of our population living or going to schools near roads that are heavily traveled, and the particulate level is placing them at a huge health risk. The EPA has done a good job at regulating exhaust emissions but has missed the mark of regulating near road PM/ Road dust. The strategies that have been in the best management practices are street sweepers and this has been proven to be ineffective at removing PM 2.5 which is the most damaging to our health.

We also live on an Island so what is not breathed in is spread over the land and washed into the ocean. There are many studies that show the effects on agriculture and the up take of these toxic particles in to the food chain. The effects of road runoff is also well documented by many university studies including the university of Hawaii. Hawaii also owns the title for the most toxic fish in the nation according to the UH Manoa stream study and that the sources of contamination is from vehicles. Hawaii is in need of control's to mitigate the damaging effects of road dust and the harm it will continue to do to the environments.

We also have an Asthma mortality issue; Hawaii ranks number 1 for deaths from this disease. We also have rankings in other areas of health that are comparable to the polluted Las Angeles California area. Most of us believe we live in a very clean Island and if this were true we should not have these health problems. Hawaii also ranks second in traffic congestion only to be beat out by LA.

After I connected the dots it became clear and I became passionate about our Island and how we respect it. Years before this information entered my life I was dealing with raising three children and 1 of them having asthma, I never thought it may have been caused by where I lived, but now I know differently.

During one of our day's I was transporting the children to school I discovered that when it started to rain the cars in front of me were throwing an oily mist into the air and it was smearing the window. That's when I ask my kids if they wanted to see if we could find a way to capture it so it did not go into the ocean. When they came home that day they were ready to help and we started to place oil absorbent pads on my vehicle. What we found was it was easy to collect oil and from that moment we never stopped inventing things that would collect pollution.

Today I am the president of Streetvac a road pollution filter company, and I am proud to say that we have a tool that is passive and can collect air born particles along with hydrocarbons at a very low cost. It's recyclable or can be used as energy. Streetvac is cheap, easy to install, effective, and deployable.

There are many solutions coming forward to help with this problem, for example, pollution paving stones or road barriers that collect pollution particles. There are also giant air systems that are placed in areas with heavy traffic. There are many more, the point is there are solutions and it is time we start to look at what is available and move forward in mitigating these problems.

I believe it is important to share that the Hawaii road dust problem is the second largest source of pollution in the State.

Near road particle pollution is one of the most significant health risks facing Hawaii and its getting worse!

Vehicle pollution has earned attention as research shows that atmospheric deposition/road dust is a major cause and is affecting the health of all people. Air pollution that settles on the road or is created from the wear of tires, brakes and pavement is a larger problem than once believed. All vehicles contribute as they roll by. According to statistics published by the Rubber

Manufacturers of America, manufacturers shipped 259.7 million tires in the U.S. in 2009. Road dust is now believed to be up to 50% of the particle emissions in urban cities.

Key findings include:

- A Journal of American Medical Association study linking soot and fine particulate matter to lung cancer, cardiopulmonary disease and other causes of death. *JAMA. 2002; 287(9): 1132-1141.doi: 10.1001*
- A Journal of Air and Waste Management Association study found children living within 250 yards of streets or highways with 20,000 vehicles per day are six times more likely to develop all types of cancer and eight times more likely to get leukemia.
- A UCLA study published in Environmental Health Perspectives journal found a 10 percent to 20 percent increase in the risk of premature birth and low birth weight for infants born to women living near high traffic areas in Los Angeles County.
- Lung cancer rates have jumped more than 600 per cent *Pollution In People, Ottawa Citizen 2-14-2006*
- Non-Hodgkin's lymphoma, a cancer tied to a weakened immune system, is up 250%. *Pollution In People, Ottawa Citizen 2-14-2006*
- Asthma affects more kids than ever before. *Pollution In People, Ottawa Citizen 2-14-2006*
- 70% of mice exposed to road dust on their cage floor and in the air developed skin cancer during their lifetime; 74% developed lung cancer. When the study was repeated & the organics removed from road dust, skin cancer was eliminated & the lung cancer rate dropped to 45% *Quantitative analysis of road & carpet dust on shoes, Page 1, paragraph 3, 9th line www.drdoormat.com/index.*
- "Children ingest 12 times as much dust as adults, weight for weight." John Roberts, Engineer and Home Environmental Expert.
- Brake wear contributes up to 20% of total traffic emissions, but the health effects of brake particles remain largely unstudied. We've found that the metals in brake wear particles can damage junctions between cells by a mechanism involving oxidative stress. "Just as for exhaust particles, efforts to diminish brake particle emissions will lead to an improved ambient air quality and so could provide better protection of human health". *Particle and Fiber Toxicology 2009, 6:30 doi: 10.1186/1743-8977-6-30*
- Long-term exposure to particulate air pollution is associated with altered coagulation function and deep vein thrombosis risk. *Arch Intern Med. 2008 May 12; 168(9): 920-7*

Near roadway particle pollution consists of road dust, brake dust and tire wear and road re-entrainment; breathing it causes toxic results for our citizens.

In 2004, USC's landmark Children's Health Study made waves nationally, confirming that thousands of Southern California children living in near high-traffic roadways were contracting higher levels of crippling asthma and children living in smoggy areas were suffering impaired lung development.

The study proved long-held beliefs that fine particles such as those caused by tire rubber and brake metal — so tiny that scientists say the dust seeps through the smallest cracks and holes and thus is not blocked by air filtration systems or triple-paned windows — were burrowing into people's lungs."

"We've known for eight or 10 years there have been these impacts," says Dr. Joe Lyou, executive director of California Environmental Rights Alliance, an environmental justice group. He sees the politicians at City Hall as knowingly endangering children.

In January 2007, USC scientists followed up their widely hailed Children's Health Study with an even more detailed and damning longitudinal study of 3,600 Southern California children — and this time the scientists went down to L.A. City Hall to get the attention of the politicians.

The new study showed that alarming numbers of children ages 10 to 18 who live within about a block — 528 feet — of a Southern California freeway suffer reduced lung development, a deficit likely to persist through adulthood, and which may increase the risk of respiratory disease and premature death. (Three weeks ago, a group of USC and European scientists delivered more bad news: Hardening of the arteries is twice as common among Angelinos living within a block of an L.A. freeway.)

"...Near road air pollution is emerging as an important health issue, one with outcomes as varied as allergy exacerbation, immune responses and cardiovascular effects. Given the centrality of transportation in people's lives and the growing number of people living near roadways, it is a problem with a large potential impact on public health." *EPA Research Focus* 2009 Air & Waste Management Association.

Particle Pollution is one of the most significant health risks facing our planet. Even if you are healthy, you may experience temporary symptoms such as irritation of the eyes, nose and throat; coughing; phlegm, chest tightness; and shortness of breathes.

Mr. Portnoy, the Chief of Allergy and Asthma at the hospital, takes daily samples of Kansas City's air. Mixed among the pollen grains, mold spores and particles of sand he counts under a microscope are ragged black specks. Like most scientists who study air samples, Mr. Portnoy had assumed these were just bits of soot. Now there is strong evidence that these specks are something far more menacing -- tiny fragments of rubber from tires, created by the wear and tear of ordinary driving.

Researchers say tires, principally radials, spew billions of these particles into the atmosphere every day. That is alarming because latex, the key ingredient of rubber, can trigger severe, even fatal, allergic reactions and aggravate allergic reactions to other substances.

Inhaling small particles containing zinc produces inflammation in the lungs. Lung damage has been documented in animal studies at levels lower than OSHA and EPA standards. Asthmatics would be at particular risk from zinc exposure. There is also evidence of fetal damage from Zinc exposure.

Many of these airborne particles are so small they can be inhaled deeply into lungs. That makes them a potential threat to people susceptible to asthma. "Radial tires are great, but if they're making us sick, we'd better do something about it," Mr. Portnoy said. "It's a concern, because asthma is an epidemic and it's getting worse."

Scientists see fine and ultra-fine PM (Particulate Matter) as responsible for the worst damages to human health. Roughly one in three (more than 93.7 million) people in the United States lives in an area with unhealthy short term levels of particle pollution.

"There's certainly an environmental justice issue here," he adds. "When I look around and see us building more schools near freeways, I just think we have to do better as a society." Dr. Michael Kleinman, Southern California Particle Center

The bigger picture and what it means.

The governing bodies have a duty to protect human health and they are not doing the job by ignoring the particulate issue. State officials have acknowledged that this issue has fallen into a regulatory gap but it hasn't been fixed. State officials say they cannot fix this issue unless they are directed to do so. Let's do something about that today and start making good decisions.

Agencies err in their responsibilities and the public will continue to become sick. The burden upon the states' health care programs (Medicare/Medicaid) will continue to increase. Children will continue to be put at risk. Illnesses, such as cancer and asthma will rise and the state burden will continue. The science is clear and it is showing that we should not be living, working or going to school near major roadways, and if we do we can expect bad health to follow.

Interesting facts

Hawaii

1. Highest mortality rate of asthma.
2. The most toxic fish in the nation in Manoa stream
3. Ranks second in traffic congestion

"There's certainly an environmental justice issue here," he adds. "When I look around and see us building more schools near freeways, I just think we have to do better as a society." Dr. Michael Kleinman, Southern California Particle Center

By Fax 808-586-6221

Bill Dell
515 East Grant Road
STE 141 PMB 185
Tucson, AZ 85705

drmemory@pipeline.com

Senator J. Kalani English, Chair
Committee on Transportation
Hawaii State Senate
Honolulu, Hawaii

2/4/2012

Dear Senator English:

I am writing to express my strong support for SB 2342 relating to Roadway Particulate Matter Pollution Control.

I am a regular visitor to Hawaii and have worked in the mobile source pollution control field in federal and state government, and in private industry for over 30 years. Over that time, we have made great strides at reducing tailpipe emissions from vehicles. However, until recently, little attention has been paid to the serious health effects of fine and ultra-fine particles that are in very high concentration near busy roads.

Current studies commissioned by the US EPA have shown that near-road exposure to particle pollution is much more hazardous than tailpipe pollution or ozone. Clear links have been drawn between increased incidents of asthma and heart disease to people who live near heavily trafficked roads.

The relationship between traffic congestion and health risk is undeniable; and Honolulu has the second worst traffic congestion in the nation after Los Angeles. Unfortunately, all of our progress on tailpipe emission reduction has little effect on near-road particle exposure. Instead, vehicle miles travelled, which have increased exponentially in Hawaii since 1980, are the cause of higher levels of particles from tire wear, brake wear and road-dust re-entrainment.

Fine particles on roadways contain high levels of metals, volatile organic compounds and hazardous compounds in finely ground road materials. It is well documented that rain runoff of these materials do serious harm to waterways and aquatic life. I am a property owner in Hawaii and a SCUBA diver. Protection of coastal waters and reefs is extremely important to the future of the state fisheries and tourism.

Now is the time to take action to reduce human exposure to, and coastal impact of, fine and ultrafine road particle pollution. Human health and Hawaii's aquatic life depend on it. The pilot project that SB 2342 creates is an important first step in cost-effectively addressing the problem.

Sincerely,



Bill Dell

February 3, 2012

Courtney Krantz
137 Kaulana Way
Honolulu, HI 96821

Honorable J. Kalani English
Committee on Transportation and International Affairs
Honorable Will Espero, Vice Chair
Committee Members – Transportation and International Affairs Committee
Honorable Mike Gabbard, Chair
Committee on Energy and Environment
Committee members

Re: SB 2342

Dear Senators:

My name is Courtney Krantz and I passionately support SB 2342.

Ignoring this problem is not an option. Hawaii has such a wonderful opportunity to be a leader on this issue. Let's do something to combat this problem because we actually DO care about the health of our residents and our children. We actually DO care what is washing into our Oceans and hurting our reefs and marine life. We actually DO care is in the air we breathe. Let's clean up because we care!!!

Thank You

Courtney Krantz

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 03, 2012 4:44 PM
To: TIATestimony
Cc: rwhiting@holynativity-hi.org
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: Robert Whiting
Organization: Individual
E-mail: rwhiting@holynativity-hi.org
Submitted on: 2/3/2012

Comments:

As head of an independent elementary school in East O`ahu, I'm concerned about the mental, emotional and physical health of the children our school serves. We are confident that what we do inside the school in the classrooms and on the playgrounds is beneficial to children's needs. But just outside our school, along Kalaniana`ole Highway, a danger to our students exists that we cannot control -- the pollution from the cars, buses, trucks and other vehicles that travel this road to and from Hawai`i Kai and Honolulu. The particles of worn tire material, brakepad dust leaking automotive fluids and other vehicle emissions pose a major threat to the health of our children and the thousands of other boys and girls who walk and ride along our highways during the height of traffic before and after school.

For the sake of our children, who as the next generation are the hope and future of Hawai`i, I urge you to support SB2342. The pilot program described in that bill is a major step in the protecting the health of our keiki and our aina.

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 03, 2012 2:09 PM
To: TIATestimony
Cc: kathy@keikisitters.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: Kathy Custer
Organization: Individual
E-mail: kathy@keikisitters.com
Submitted on: 2/3/2012

Comments:

Aloha,

Riding a motorcycle on the streets of Hawaii it is very clear to me that I am basically being poisoned on the roads. I can smell the exhaust, and occasionally even get sprayed by oil on the road when a passing car's tire picks it up and flings it.

There is also evidence of this pollution when I look closely at my face in the mirror after going for a cruise. I have black particles on my skin. I can only imagine what my lungs look like and how that effects major organs, including my brain.

PLEASE pass this bill. Make it required for people to use this product. Let's take responsibility & clean up this mess we made. Stop poisoning our friends, family and ourselves. And stop polluting the world.

Mahalo,
Kathy

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 03, 2012 1:49 PM
To: TIATestimony
Cc: jauntyjohn@hotmail.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: John Tellio
Organization: Individual
E-mail: jauntyjohn@hotmail.com
Submitted on: 2/3/2012

Comments:

As custodians of the land, we should seriously consider this bill. Our reefs are precious resources we should protect for future generations.

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 03, 2012 1:43 PM
To: TIATestimony
Cc: jmontenero@aol.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: Yes
Submitted by: James Montenero
Organization: Individual
E-mail: jmontenero@aol.com
Submitted on: 2/3/2012

Comments:

Hawaii needs your help. Exposure to fine particles is a health hazard. This exposure is greatest on or near roadways where traffic is constantly stirring up the fine particles. These particles are made of tire wear, brake wear hydrocarbons metals and other materials. These are known to create health problems. Our children and elderly are especially vulnerable.

Hawaii must take the lead in protecting its marine resources and its citizens. Pass this pilot program without any reservations.

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 03, 2012 12:24 PM
To: TIATestimony
Cc: mailetakahashi@yahoo.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: Maile Takahashi
Organization: Individual
E-mail: mailetakahashi@yahoo.com
Submitted on: 2/3/2012

Comments:

Hawaii's dense vehicle population and the number of people who live, play and are at or near these heavily travelled roads make this program a necessity.

[REDACTED]

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 03, 2012 12:12 PM
To: TIATestimony
Cc: marktakahashi@yahoo.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: Mark Takahashi
Organization: Individual
E-mail: marktakahashi@yahoo.com
Submitted on: 2/3/2012

Comments:

There is irrefutable scientific evidence that proves exposure to fine and ultra-fine particles in the air is damaging human health.

We must find some way to mitigate this risk. Pass this pilot program now!

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 03, 2012 12:22 PM
To: TIATestimony
Cc: reeftour@aol.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: Mary Bender
Organization: Individual
E-mail: reeftour@aol.com
Submitted on: 2/3/2012

Comments:

Human exposure to pollution in the air and water poses a very serious health risk and is threatening our oceans and reefs. Vehicle emissions, tire tread wear, leaking automotive fluids and brake pad dust are contributing to the problem.

Effective tools to fight the leading causes of air and water pollution are available. Government must act, volumes of statistics exist to demonstrate that reefs are killed, sea life is poisoned and some wide-spread illnesses are caused by road pollution.

A pilot program for this makes the most sense.

It protects our children and our elderly - I am one (elderly that is)

I fully support our state taking a lead in environmental responsibility.

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 03, 2012 12:24 PM
To: TIATestimony
Cc: dbaird03@yahoo.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: David Baird
Organization: Individual
E-mail: dbaird03@yahoo.com
Submitted on: 2/3/2012

Comments:

I am in support of this bill to protect our air and oceans, and improve the health of our community.

████████████████████

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 03, 2012 5:22 PM
To: TIATestimony
Cc: MrDeal702@Yahoo.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: Yes
Submitted by: Brandon Deal
Organization: Individual
E-mail: MrDeal702@Yahoo.com
Submitted on: 2/3/2012

Comments:

I support SB 2342. I love to play in the beautiful Oceans of Hawaii. We need to protect the health of our citizens and the health of our Oceans now before it is too late.



From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 03, 2012 5:33 PM
To: TIATestimony
Cc: keikojanuary@hotmail.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: Keiko Paahao
Organization: Individual
E-mail: keikojanuary@hotmail.com
Submitted on: 2/3/2012

Comments:
Healthy reefs and healthy highways = healthy families. Please support this project.

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 03, 2012 5:31 PM
To: TIATestimony
Cc: HiCharger@yahoo.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: Trevor Halverson
Organization: Individual
E-mail: HiCharger@yahoo.com
Submitted on: 2/3/2012

Comments:

I support SB 2342. We have to make efforts to clean our environment.

Please pass SB 2342.

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 03, 2012 5:29 PM
To: TIATestimony
Cc: KalinSuzuki@rocketmail.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: Kalin Suzuki
Organization: Individual
E-mail: KalinSuzuki@rocketmail.com
Submitted on: 2/3/2012

Comments:

I am a Biology major at USF. My dream is to become a Naturopath. I am in favor of any legislation that supports cleaning up the environment. I support SB 2342. Please pass SB 2342.

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 03, 2012 9:59 PM
To: TIATestimony
Cc: lhtec@aol.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: Kerry H. Tamayose
Organization: Industrial Hygiene Technologies, LLC
E-mail: Ihtec@aol.com
Submitted on: 2/3/2012

Comments:

Sir, I am a resident of the State of Hawaii and currently working in Japan as a private health and environmental consultant and employee of the US Dept of Navy. I have been studying the environmental conditions here in Japan and realize that this country is now in extreme trouble! Prior to the Fukushima nuclear disaster, the fisheries and aquaculture industry were experiencing lower growth and harvest yields due to environmental pollution. Shellfish and seaweed show high concentrations of copper, arsenic and other heavy metals. Now with the spread of radioactive airborne contamination from the Fukushima Nuclear plants throughout Japan, the ingestion of seafoods and agricultural products may be unsafe and cause long term health effects.

The StreetVac system is a simple passive collection device that will remove contaminants from roadways in Hawaii and add to the preservation of our environment! Because the roads are not urbanely planned well here in Japan and cover a tremendous amount of land area, the StreetVac system is a perfect long term solution for the remediation of radioactive decontamination from the land utilizing a passive environmental collection device!
This State of Hawaii environmental initiative can reduce the amount of road pollution and also have significant worldwide environmental impact!
Please push this Bill forward not only for the State of Hawaii but also for Japan and a solution for it's environmental disaster!

Thank you,
Kerry H. Tamayose
Certified Industrial Hygienist
President

Industrial Hygiene Technologies, LLC, Japan Branch P.O. Box 22450 Honolulu, Hi. 96823-2450

[REDACTED]

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 03, 2012 6:13 PM
To: TIATestimony
Cc: flyingmochi@yahoo.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: Yes
Submitted by: Tsuki Tanahashi
Organization: Individual
E-mail: flyingmochi@yahoo.com
Submitted on: 2/3/2012

Comments:

My friend is the one who's dad is wanting to do this. Our world is full of pollution and we need to do more than try and fix it.

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 03, 2012 6:20 PM
To: TIATestimony
Cc: Lraystone@gmail.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: Lesley Stone
Organization: Individual
E-mail: Lraystone@gmail.com
Submitted on: 2/3/2012

Comments:

I support SB 2342. We need to take the lead and do what we can to clean our Oceans, our roads and the air we breathe.

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 03, 2012 6:22 PM
To: TIATestimony
Cc: KindoAldan@yahoo.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: Kindo Aldan
Organization: Individual
E-mail: KindoAldan@yahoo.com
Submitted on: 2/3/2012

Comments:

I support SB 2342. I work on the water and I'd like to be pro active in keeping it clean. As a concerned citizen I will do my part to help. Please pass SB 2342.0

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 03, 2012 6:24 PM
To: TIATestimony
Cc: Kanaiwa@aol.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: John Pang
Organization: Individual
E-mail: Kanaiwa@aol.com
Submitted on: 2/3/2012

Comments:

Please support SB 2342, I do! I have grown up in Hawaii. I work and play on the Ocean. I support any effort to clean up our roads and our ocean.

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 03, 2012 7:30 PM
To: TIATestimony
Cc: trimark1@lava.net
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: Yes
Submitted by: David C. Livingston
Organization: Individual
E-mail: trimark1@lava.net
Submitted on: 2/3/2012

Comments:

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, February 04, 2012 8:54 AM
To: TIATestimony
Cc: cutiepies90@comcast.net
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: Thomas Forbush
Organization: Individual
E-mail: cutiepies90@comcast.net
Submitted on: 2/4/2012

Comments:

Please do all that you can do to protect Hawaii's delicate ecosystem. Thank you.

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, February 04, 2012 8:50 AM
To: TIATestimony
Cc: cutiepies90@comcast.net
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: Roxann Forbush
Organization: Individual
E-mail: cutiepies90@comcast.net
Submitted on: 2/4/2012

Comments:

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, February 04, 2012 7:07 AM
To: TIATestimony
Cc: stuartgm@juno.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: Stuart M. Cowan
Organization: Individual
E-mail: stuartgm@juno.com
Submitted on: 2/4/2012

Comments:

Dear Senators....I have lived in Honolulu since 1957 and practiced law here since 1961, but am unable to attend the hearing on this bill. I have watched Honolulu's "progress" over the years and support programs/practices which will aid our Community. This program to clean up our streets and highways is sorely needed and I sincerely hope it will be passed and adopted by our Legislature.

With much Aloha and many Mahalos...sincerely

Stuart and Victoria Cowan
Kahalu'u

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, February 04, 2012 10:25 AM
To: TIATestimony
Cc: Augustussantos@yahoo.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: Yes
Submitted by: Augustus santos
Organization: Individual
E-mail: Augustussantos@yahoo.com
Submitted on: 2/4/2012

Comments:

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, February 04, 2012 9:58 AM
To: TIATestimony
Cc: freshairoahu@gmail.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: Aaron
Organization: Individual
E-mail: freshairoahu@gmail.com
Submitted on: 2/4/2012

Comments:
Aloha,

StreetVac will remove toxic pollution from our streets. Brake dust, tire wear and road pollution is a global problem. The Hawaiian reefs and marine life must be protected. Whether we like it or not, tourism is the bedrock of our economy and people come to our state for its marine environment.

Pass this bill so that we can continue to enjoy our ocean and keep pollution away!

Mahalo,
Aaron

[REDACTED]

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 03, 2012 11:16 PM
To: TIATestimony
Cc: guitarfreakx3@aol.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: Shane Thompson
Organization: Individual
E-mail: guitarfreakx3@aol.com
Submitted on: 2/3/2012

Comments:

Clean Hawaii! I think it will be good to see what will come of this new idea.

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 03, 2012 9:34 PM
To: TIATestimony
Cc: SeeRescue@juno.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: Dr. Robert Yonover
Organization: Individual
E-mail: SeeRescue@juno.com
Submitted on: 2/3/2012

Comments:

I support this bill as it will address road pollution directly, thereby reducing the health risks associated with the particulates generated on the road.

[REDACTED]

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, February 04, 2012 2:35 PM
To: TIATestimony
Cc: JourdanKrantz@yahoo.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: Yes
Submitted by: Jourdan Krantz
Organization: Individual
E-mail: JourdanKrantz@yahoo.com
Submitted on: 2/4/2012

Comments:

Please pass SB 2342. If we don't do something to clean up our roads, Oceans and air, who will? I am young and I plan to be in Hawaii for my entire life. I will help in anyway that I can.

[REDACTED]

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, February 04, 2012 2:33 PM
To: TIATestimony
Cc: Dylan.137@hotmail.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position:
Testifier will be present: No
Submitted by: Dylan Krantz
Organization: Individual
E-mail: Dylan.137@hotmail.com
Submitted on: 2/4/2012

Comments:

I support SB 2342. If we don't do something about this issue it will be too late.

Please pass SB 2342

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, February 04, 2012 2:29 PM
To: TIATestimony
Cc: Mail4Tay@gmail.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: Yes
Submitted by: Taylor Krantz
Organization: Individual
E-mail: Mail4Tay@gmail.com
Submitted on: 2/4/2012

Comments:
I support SB 2342. Please pass this bill.

Kathleen Takahashi
747 Ailuna St.
Honolulu, HI. 96821

February 3, 2012

Honorable J. Kalani English, Chair
Honorable Will Espero, Vice Chair
Committee Members – Transportation and International Affairs Committee
Committee on Transportation and International Affairs
Honorable Mike Gabbard, Chair
Committee members
Committee on Energy and Environment
Honolulu, Hawaii

RE: Testimony in Support of SB2342

Senators:

We need your help. Our health is being put at risk every day. Please support and pass SB 2324 that will create a pilot program to mitigate the effects of particulate pollution. This legislation will direct the Department of Transportation to certify equipment that will directly capture and remove from the environment re-entrained particles and tire and brake wear emissions from all wheels. This equipment will be installed on state fleets and commercial fleets of 25 or more vehicles. This will take these toxins out of the environment.

THE PROBLEM:

A high concentration of fine particle pollution located on and around roads is causing serious health problems among residents. This fact is well documented. A significant amount of this road pollution comes from tires and brakes and the crushing of materials on road surfaces by rolling tires.

Particles on roads are thrown into the air by rolling tires where they can be breathed in; the finer the particles the more hazardous they are to health. Road-deposited sediments have very high contaminant concentrations; these sediments are flushed into our marine environments where they have toxic effects.

There is irrefutable scientific evidence that proves exposure to fine and ultra-fine particles in the air are very hazardous to human health. Some of the recent studies indicate changes in the DNA, increase cancer risk, heart disease, low birth weights, decreased lung development and other related deadly illnesses. It is also becoming clear that such exposure; especially to latex proteins from radial tire particles is responsible for a growing respiratory epidemic in our country.

This exposure risk is greatest on or near roadways where traffic is constantly stirring up fine particles of tire wear, brake wear, hydrocarbons, metals and other organic and inorganic materials. There are extremely high concentrations of fine particles within hundreds of yards of heavily travelled roads. People are spending more time in cars and near road environments (bike paths, parks) and are exposed to an unacceptable health risk. Most housing near major roads is occupied by lower income families. The states bear a burden of related health costs from this pollution; this is an Environmental Justice issue.

"There's certainly an environmental justice issue here," he adds. "When I look around and see us building more schools near freeways, I just think we have to do better as a society." Dr. Michael Kleinman, Southern California Particle Center

Please take action to amend state law to require reduction of fine particle pollution on our roads. Our health depends on it.

Sincerely,

Kathleen Takahashi
Hawaii Cares



Children are more susceptible to Air Pollution

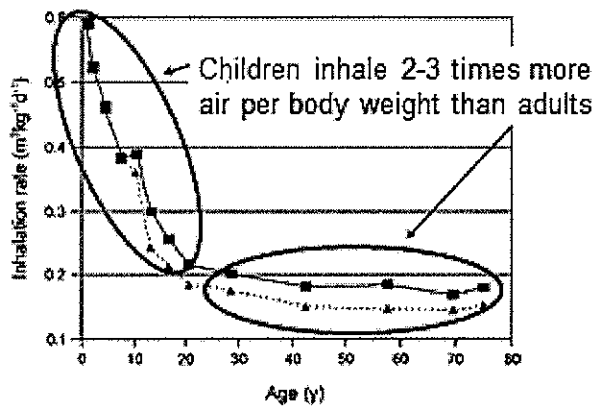


Figure 9-23. Inhalation rates on a per body-weight basis for males (■) and females (▲) by age (Layton, 1993).

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 05, 2012 8:34 AM
To: TIATestimony
Cc: emailcvk@aol.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: Carol Kozlovich
Organization: Individual
E-mail: emailcvk@aol.com
Submitted on: 2/5/2012

Comments:

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, February 04, 2012 6:19 PM
To: TIATestimony
Cc: ralph.exit@gmail.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM
Attachments: HAWAII.docx

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: Ralph Watkins
Organization: Individual
E-mail: ralph.exit@gmail.com
Submitted on: 2/4/2012

Comments:

I love Hawaii and have not only lived there but also vacationed early in my life. I have made or 30 trips to Honolulu, and plan retiring there in the near future.

It is not only our responsibility but it is imperative that we do what we can to protect God's gift to us.

I will be there first to tell you that your traffic is horrific and has got to be detrimental to our health and our environment.

I respectfully request that you vote yes for not only this bill but any legislation that will benefit our islands.

With Respect,

Ralph

Testimony
Regarding S.B. 2342
Relating to Roadway Particulate Matter Pollution Control

Thank you for this opportunity to speak to you on this important matter. My name is Gene Tierney and in 2011 I returned to live in the State of Hawaii. I have spent the last 32 years working as a scientist for the U.S. Environmental Protection Agency's Office of Transportation and Air Quality at the National Fuel and Vehicle Emissions Laboratory in Ann Arbor, Michigan and in Washington, D.C. This office is responsible for all aspects of mobile source air pollution control.

I am here to strongly support S.B. 2342. The need for this bill is quite apparent to me. The quality of the waterways and the ocean in Hawaii is critical to our main industry: tourism. The quality of our air is critical to all of us who breathe, work and live in this state. Both of these are threatened by particulate matter generated by motor vehicles.

In my 32 years at EPA, we regulated tailpipe and evaporative emissions from motor vehicles and engines to such an extent that new cars and trucks are so clean that in some places in the U.S. exhaust emissions are actually lower than ambient levels of pollution. But never in those years did EPA regulate brake and tire wear, for one simple reason. It is very difficult to do. Tires and brakes come and go quickly, generally in 30-40 thousand miles, and thus it is very difficult to hold the vehicle manufacturer responsible for their composition and emissions. These parts are too quickly consumed and are nearly always replaced with aftermarket parts.

Yet we know that emissions from brake and tire wear are impacting our health and the environment. Brakes wear out and tires wear down, and the particles generated by this process end up in our air, in our water, and in our lungs. These are nasty particles, including a variety of metals and other substances that damage both our health and that of our environment.

Some will tell you today that Hawaii does not have an air quality problem, and that air quality monitoring shows that. Extensive research over the last 15 years by EPA and many, many others have consistently shown that near roadway exposure to air pollution is not represented by the air quality monitors required by the Clean Air Act. Near roadway exposure to pollutants can in fact be 2-4 times higher than what you see in the ambient background. And this is no surprise. The particulate matter monitor in Hawaii is on the top of a tall building, not down where people breathe.

Residents of Hawaii live, work and go to schools that in my view are highly exposed to near roadway particulate matter pollution. Our buildings are located much closer to roads than anywhere else in the U.S. and their exposure is greater as a result of our lovely climate. On the mainland, buildings are closed up tight in the winter for heating and in summer for cooling. As a result, the air pollution found outdoors tends to be very low indoors; yet even with this, near roadway exposure is a problem. Here in Hawaii, it is a much different situation. Our open-air style homes, work places and schools mean that indoor air quality is greatly impacted by outdoor air pollution. We have schools and homes right on major freeways and heavily trafficed streets. The pollution generated by brake and tire wear is directly affecting public health in our state by virtue of our

Testimony
Regarding S.B. 2342
Relating to Roadway Particulate Matter Pollution Control

wonderful climate and our dense population. The air quality monitoring network in Hawaii does not capture or reflect this exposure. Thus, this bill is very important and worthwhile.

Some may object to the structure of this bill: incentivizing vehicle owners to get inspected every other year if they install certified equipment to reduce brake and tire wear. I have been and continue to be involved in the vehicle inspection and maintenance program; for many years I was the chief of the section in charge of this program. There are two concerns: first, that inspecting vehicles every other year will somehow impact safety. There is no evidence to support this assertion. Most of the states on the mainland have switched from annual inspection to biennial inspection of vehicles and the general trend of improved safety and fewer highway traffic deaths continues to go down unabated. The second concern is that licensed inspection shops will lose business. It is true that licensed shops will lose inspection business but they will gain business installing certified pollution control equipment. Besides, it is not the legislature's role to guarantee a certain level of business for shops!

Another objection to this bill will come from fleet operators. They will complain about cost and convenience and so on. Yet, fleet operators get a break on safety inspection without having to contribute anything back to our community. Why is that? In fact, fleet vehicles have far greater impact on roadway particulate matter pollution than any other segment of the fleet. These vehicles are operated so much more than privately owned vehicles. They operate throughout the day, every day, generating far more brake and tire emissions. It is only appropriate that fleet vehicles reduce their environmental impact with this simple measure.

Finally, some will object to the cost of doing this but I would suggest the cost is extremely low. I understand that it costs as a little as \$1 per wheel per year to control brake and tire emissions. This is tiny compared to the cost of other pollution control and well worth the investment to protect Hawaii's air and water.

Today you have before you a bill that addresses the one area of mobile source air pollution control that EPA has not been able to reduce: brake and tire wear. We cannot wait for EPA to act on this matter; indeed, they many never act. The concern over near roadway exposure to particulate matter pollution, however, will continue to grow and someday EPA may set standards to address this. It would be most unfortunate if Hawaii ended up being in non-attainment with such an air quality standard. It is better to anticipate and prevent rather than react! The health of our tourist industry and the health of our citizens is too important to wait for a mandate.

Thank you for your time and attention. I would be happy to answer and questions you might have.

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 05, 2012 10:54 AM
To: TIATestimony
Cc: leeplace1@yahoo.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM
Attachments: SB2342.doc

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: Yes
Submitted by: Edmund Lee
Organization: Individual
E-mail: leeplace1@yahoo.com
Submitted on: 2/5/2012

Comments:

I support SB2342 Roadway Particulate Matter Pollution Control

Automobiles are one of the greatest polluters to our environment. Aside from emissions, they have degrading parts such as tires and brake materials. The roadway itself is degrading when vehicles move along it. As vehicles travel along our roadways, these components decompose into fine and ultra-fine particulate matter of metals, asbestos, rubber, tar, ceramics, and other roadway materials.

The particulate matters are air pollution products that disperse itself into the air we breathe. It is a health problem because we will breathe and ingest these air products. The exposure will lead to respiratory problems, and will aggravate the medical condition of those that already have respiratory problems.

The particulate matter is a sanitary and environmental problem. The fallout of the particulate matter will deposit into our homes or onto our exterior grounds. Fallout will accumulate and wash into our streams and settle onto our marine environment.

The degradation of the automobile tires, brakes, and roadway material is very much similar to littering. We have associated littering with large visible products, however we must come to realize that dispersion of particulate matter (which is microscopically visible) is also littering.

We need to consider methods of capturing the products of pollution that are created by our vehicles which are traveling along roadways. Vehicle owners have a responsibility of containing their own vehicle matter and not disperse it into the air as air pollution products of particulate matter.

We need to become more active and progressive in air pollution issues. We need to move closer to "zero" emissions.

February 5, 2012

Senator Kalani English
Hawaii State Capitol

Dear Senator English,

I am writing in support of Senate Bill 2343

Human exposure to pollution in the air and water poses a very serious health risk and is threatening our oceans and reefs. Vehicle emissions, tire tread wear, leaking automotive fluids and brake pad dust are contributing to the problem.

Emissions go up in the air, but all too soon, many "fine" particles are either inhaled or they are back down on the street, waiting for rain to wash them into a storm drain that ends up polluting the ocean.

As the tread wears down on tires, pollution builds up on the roadway in the form of zinc, cadmium and a host of other substances all create substantial harm to our marine environment. Brake pads were designed to wear away little by little. Many contain copper, which is also highly toxic to aquatic life.

The result is a much higher than average concentration of fine and ultra-fine particles that hover, suspended over the roads and extend hundreds of yards in all directions. These particles are carcinogenic and are direct causes of cancers and lung diseases. This might be the single greatest health risk to Americans today. Radial tire wear produces latex proteins which are a primary cause of asthma exacerbation. Road particles also include high concentrations of hydrocarbons, metals and chemicals from sources including catalytic converter breakdown and brake pad deterioration.

The US EPA tells us in their particle pollution brochure that your chances of being affected by particles increase the more strenuous your activity and the longer you are active outdoors. "Go for a walk instead of a jog, for example. And don't exercise near busy roads; particle levels generally are higher in these areas." In Hawaii we spend much time doing outdoor activities, many of these activity areas are located near busy roads and streets where the pollution from vehicles is the greatest.

Effective tools to fight the leading causes of air and water pollution are available. Government must act, volumes of statistics exist to demonstrate that reefs are killed, sea life is poisoned and some wide-spread illnesses are caused by road pollution.

Thank you your support in this very important Bill.

Brent Matson
958 Maniniholo Street
Honolulu, HI 96825

[REDACTED]

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 05, 2012 11:40 AM
To: TIATestimony
Cc: Leeplace1@yahoo.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: Karen Lee
Organization: Individual
E-mail: Leeplace1@yahoo.com
Submitted on: 2/5/2012

Comments:

I support this bill as we need to solve this problem with air pollution. Although it is not visible and it is odorless, the roadway particulate matter from cars is one of the leading cause of pollution. The pollution leaves black soot on the house and on the floors and furniture inside of the house. This soot can only be scrubbed off!! In fact, I have to scrub my feet with a metal scrubber to get the black soot off of my feet at least once a week. It is a continuous maintenance problem, not to mention what is going into your lungs. Please support this bill.

[REDACTED]

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 05, 2012 11:10 AM
To: TIATestimony
Cc: westywest@rocketmail.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: Guy West
Organization: Individual
E-mail: westywest@rocketmail.com
Submitted on: 2/5/2012

Comments:
My name is Guy West and i support this bill

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 05, 2012 11:01 AM
To: TIATestimony
Cc: nanahillstrom@hotmail.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: Karen Hillstrom
Organization: Individual
E-mail: nanahillstrom@hotmail.com
Submitted on: 2/5/2012

Comments:


I want cleaner streets and healthier ocean I think passing this bill will help this.
Please vote to pass this bill
Thank you

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 05, 2012 10:58 AM
To: TIATestimony
Cc: uluusia@yahoo.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: Ursula Voynarovich
Organization: Individual
E-mail: uluusia@yahoo.com
Submitted on: 2/5/2012

Comments:
My name is Ursula Voynarovich and i support this bill


From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 05, 2012 7:36 AM
To: TIATestimony
Cc: eleltee@hawaii.rr.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: Lois Lee Thompson
Organization: Individual
E-mail: eleltee@hawaii.rr.com
Submitted on: 2/5/2012

Comments:

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, February 04, 2012 8:01 PM
To: TIATestimony
Cc: kalehillstromhawaii@yahoo.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: Kale Galanto
Organization: Individual
E-mail: kalehillstromhawaii@yahoo.com
Submitted on: 2/4/2012

Comments:

Hawaii will always be the place I call home, currently I'm away from the islands but my new family and I will return. I support this bill SB2342 in the belief that even the little things do make a difference. If we don't try to make a difference now, it could be that the very next generation wont know what it was like for us now and buy then it may really be to late.

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, February 04, 2012 8:39 PM
To: TIATestimony
Cc: deanjomalley@yahoo.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: Dean O'Malley
Organization: Jetlev Southwest
E-mail: deanjomalley@yahoo.com
Submitted on: 2/4/2012

Comments:

Here are the reasons I support:

- Research conducted by the University of Hawaii has shown very high levels of contamination in the Manoa watershed by pollutants from motor vehicles.
- The National Contaminant Biomonitoring Program found fish from Manoa Stream to have the highest concentrations of lead in the nation.
- During storm events, contaminated roadside deposit sediments are transported directly to storm sewers that lead to the ocean and streams where it has the potential to cause bioaccumulation of metal contaminants in the food chain and modify the ecological health of the ecosystem.
- Hawaii's dense vehicle population (Honolulu is #2 in traffic congestion - Los Angeles is #1) is loading waterways with contaminants that ultimately get transported into the marine environment.
- According to research funded by the National Oceanic and Atmospheric Administration, Coastal Ocean Program, the average annual value of the coral reef ecosystem among the main islands of Hawaii amounts to a total of \$364 million, 85% of which stems from the recreational value. Thus, tourism - the bedrock of Hawaii's economy - is very dependent on the state of the coral reef.
- Children living near busy streets have a 600 times higher cancer risk.
- Inhaling pollutants exposes the average person up to 300 times more free radicals daily than from smoking one cigarette.
- Fine particle air pollution responsible for 9,000 premature deaths in California each year.
- Children and the elderly are particularly vulnerable to the health effects of ozone, fine particles and other airborne toxicants.

[REDACTED]

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, February 04, 2012 11:12 PM
To: TIATestimony
Cc: minaminaiii@hotmail.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: Yes
Submitted by: Minako
Organization: Individual
E-mail: minaminaiii@hotmail.com
Submitted on: 2/4/2012

Comments:

I enjoy swimming in the ocean and when I go to the beach in Kahala, it is sad to see the condition of the reefs. When it rains heavily, pollution from the road ends up in the ocean. I never go swimming there after a big rain because I know poisonous particles are washed from the streets and into the ocean, killing the reefs, polluting the water and making sea life sick. Please do something to protect our marine life. Pass SB 2342.

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, February 04, 2012 11:15 PM
To: TIATestimony
Cc: jerry@postcard-cd.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: Yes
Submitted by: Jerry Bell
Organization: Individual
E-mail: jerry@postcard-cd.com
Submitted on: 2/4/2012

Comments:

In the 1970's I moved to a house that was right on Kalaniana'ole Hwy. In fact, my bedroom window was about 30 feet from the Hwy. Shortly after moving there I competed in a Genus Book of World Records competition. That's right, you are looking at a World Champion water melon seed spitter. I once had massive wind power. Now I have a difficult time just being heard. For many years I breathed toxic air from road pollution. Many experts are telling us that living next to a major road and breathing brake dust, tire wear and road pollution will definitely make us sick. Please pass SB 2342. Don't do it for me, its too late but do it for my grandchildren.

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, February 04, 2012 11:18 PM
To: TIATestimony
Cc: flora@postcard-cd.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: Yes
Submitted by: Flora Bell
Organization: Individual
E-mail: flora@postcard-cd.com
Submitted on: 2/4/2012

Comments:

For the past year I have been tethered to an oxygen tank. I have never smoked, I lived a healthy life and yet I now have a serious repertory problem. Do you think it was because I was exposed to hazardous road pollution for the majority of her life? I lived on Farrington Hwy, and our house was down-wind from the Hwy. I was a teacher at Waianae High School, located on Farrington Hwy and the school was down wind from the Hwy. When I moved to Hawaii Kai, my house was right on Kalanianaole Hwy and guess what side on the road I lived, down wind. There are volumes of evidence that demonstrate living near a major road is hazardous to our health. Please pass SB 2342.

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, February 04, 2012 11:19 PM
To: TIATestimony
Cc: mark@streetvac.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: Yes
Submitted by: Mark Bell
Organization: StreetVac
E-mail: mark@streetvac.com
Submitted on: 2/4/2012

Comments:

Last week I was in Manila as a delegate at the United Nations Global Conference on the protection of marine life environment from land-based activities.

In attendance were delegates from 100 countries representing BILLIONS of people.

We were there with a common objective of keeping our oceans clean, the reefs protected and the marine life healthy.

When I talked to the delegates personally, every single person was enthusiastic to know there is a solution to road pollution. When representative from countries like China, India and the Netherlands found out about road pollution filters, they all "got it."

I was introduced to Senator Alvarez from the Philippine government. Within ten minutes of talking to him about road pollution filters, "he got it." We met several times and he asked me to extend my stay because he wanted to introduce me to a successful businessman. I met with Dr. Ben Santos. He is a brilliant man who developed a method of turning used motor oil back to new. After talking to Mr. Santos for several minutes about road pollution filters, "he got it."

We discussed implementing a road pollution filter program and guess what, they had no interest in doing a pilot program, they both wanted to move forward towards with a goal of full implementation throughout the Philippines within six months. Mr. Santos is also interested in manufacturing the road pollution filters to supply countries throughout Asia.

There is no doubt the roads in Hawaii are polluted. When it rains, lethal components end up in the ocean. We live, work and go to school near major roads. We are breathing toxic particles that are making us sick and killing us. The evidence is overwhelming. I am here to see if you "get it." Please support SB 2342. Do it for our marine life, for the air we breathe, for our health, for our kids. Thank you.

SB 2342

Dear Senators,

Most people who live in or visit Hawaii think we has the cleanest air in the world. Our trade winds keep our visibility of the mountain to the sea very high. Just because we can see the ocean from our ridges doesn't mean that there aren't air quality problems. Every day I wipe up a layer of film from my tables in my yard. Over the years this film has gotten thicker and harder to remove. If there are enough particles in our air to create this film on tables, just think about the level that my children and I must be breathing into our lungs. I know this is not just limited to me. I talk to my neighbors and we all have been experiencing the same thing.

Recent news stories have given me some answers to why this is happening. The amount of vehicles we have on our streets today and the amount of tiny particles they produce has outpaced nature's ability to remove them from our environment. This is a manmade problem that can only be fixed with manmade solutions. To bury our heads in the sand and think this problem will take care of itself, or worst to think there is no problem would be criminal.

Recently the EPA has begun issuing advisory memos to this problem. They have indicated that they are working on new clean air guidelines to address this problem. I don't want to wait till the EPA gets their act together. You have a chance to preserve the one thing all visitors come to love about Hawaii, our AINA. I implore you to pass this bill for our children, our kapuna, and if not that, then for our economy.

Sincerely,

David Pang
778 Wiliwili St
Honolulu, HI 96826

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 05, 2012 5:25 PM
To: TIATestimony
Cc: Nicolefa56@yahoo.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: Nicole fa
Organization: Individual
E-mail: Nicolefa56@yahoo.com
Submitted on: 2/5/2012

Comments:

[REDACTED]

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 05, 2012 10:25 PM
To: TIATestimony
Cc: markparasail@yahoo.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: Mark Neumann
Organization: Individual
E-mail: markparasail@yahoo.com
Submitted on: 2/5/2012

Comments:

I support SB2342, it addresses the problems of road contamination and its run off into our beautiful ocean waters. It is about time that something is done to limit or stop this contamination immediately or before it has damaged the reefs so badly that it would take a century to recover.

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 06, 2012 7:42 AM
To: TIATestimony
Cc: kc_k@hotmail.com
Subject: Testimony for SB2342 on 2/6/2012 1:17:00 PM

Testimony for TIA/ENE 2/6/2012 1:17:00 PM SB2342

Conference room: 224
Testifier position: Support
Testifier will be present: No
Submitted by: K C Kelley
Organization: Individual
E-mail: kc_k@hotmail.com
Submitted on: 2/6/2012

Comments: