



*The City & County of Honolulu's Department of Environmental Services employs nearly 900 men and women in job-related fields covering environmental quality, treatment & disposal, collection system maintenance, refuse and administration.*

### ENVIRONMENTAL STEWARDS

Many ecologists and researchers are doing research on how the planet has been affected by the human presence and by pollution. Research shows that pollution is due to a great number of factors when it comes to humans and the planet. Pollution comes most often from human waste and waste generated by industrial factories around the world, but there are other factors such as animal farming and other types of farming that generate waste as well.

Harmful chemicals end up in our food and some can even be harmful to humans. Animal farming generates waste that is a threat to many natural habitats.

We all at ENV have active roles in preventing pollution from the refuse collectors, wastewater treatment and collection system employees, engineers, storm water compliance, along with monitors and laboratory personnel.

Be conscious of your jobs and duties by providing the best service to the communities. This is a huge step in preserving our natural environment here on the islands that goes a long way in making the planet a better place for all.

When it comes to going green and learning how to save the planet, there are a number of things that you can do to get involved. Saving the planet may be as easy as being conscious of the waste that you create on a daily basis. Learning to recycle properly and dispose of waste in a proper manner is a big step in the direction of helping to save the environment. If we all work together on this, then we may be able to realize a more positive outlook for the planet.



### **ENV MISSION STATEMENT**

*"THE MISSION OF THE DEPARTMENT OF ENVIRONMENTAL SERVICES IS TO PROTECT PUBLIC HEALTH AND THE ENVIRONMENT BY PROVIDING EFFECTIVE AND EFFICIENT MANAGEMENT OF WASTEWATER, STORMWATER AND SOLID WASTE DISPOSAL SYSTEMS FOR THE CITY AND COUNTY OF HONOLULU."*

ENV is serious about its responsibility to lay the best plans for the future, while working within fiscal constraints of the present to educate the public on measures protecting the public health and the environment.



## CITY PHASING OUT OLD DROP-OFF RECYCLING PROGRAM

The City will be placing signs on community recycling bins around Oahu this weekend to notify the public that the Department of Environmental Services (ENV) is ending its white community bins program and renewing efforts to expand curbside and condo recycling.

The program ends June 30, 2012, and many of the drop-off bins will be removed starting June 15. The schools hosting bins were notified of the change in February.

Rolloffs Hawaii, which provides trash service to most of the island's public schools, is launching a pilot school recycling program with plans to expand quickly. In addition, Honolulu Disposal Service, the former City contractor for the community recycling bins, plans to maintain the recycling bins at approximately 50 locations.

ENV's community recycling bin program was the mainstay for residential recycling, growing from 20 sites in 1990 to 100 locations today. Over the years, the program helped strengthen community support for recycling and educating our youth. However, with decreased public use, the once cost-efficient system is no longer viable. By closing the program, the City will save about \$1.5 million annually and refocus resources to further develop more convenient recycling options for Oahu residents.

The convenience of curbside recycling diverted more than 70 percent of the recyclables from the old drop-off bins. Currently, approximately 160,000 homes have curbside recycling with blue and green carts, capturing 20,000 tons of mixed recyclables and more than 50,000 tons of green waste annually.

Recent data indicates that 97 percent of households are participating at some level, with more than two-thirds putting 75-100 percent of their recyclables in the blue cart. This year, the City will begin expanding curbside recycling to the remaining 20,000 homes on refuse-only manual collection service, starting with rural North Shore communities in Haleiwa and Sunset Beach.

Condominium and apartment building residents are able to recycle conveniently as well. Collectors and haulers offer no-cost pickup for valuable recyclable materials – glass, plastic, metal, newspaper and cardboard. The City also offers to reimburse condominium associations and apartment owners for startup costs associated with recycling equipment and tenant education.

Schools committed to developing sustainable school campuses – collecting and recycling paper, plastic, glass and metal from campus facilities – are moving forward to establish collection service with independent recycling companies such as Rolloffs Hawaii and Honolulu Disposal Service.



*The community white bin program has been around for about two decades. However, with the emergence of curbside recycling collection reaching all 160,000 automated stops, the bins have been under performing.*

## RECYCLING BRANCH ENJOYS

### JULY ACCOLADES

The Department of Environmental Services Recycling Branch garnered three awards during the month of July - one individual and two public education.

Recycling Branch Chief Suzanne Jones was recognized as one of the top women professionals in the country in the recycling industry and selected as one of 12 professionals for the 2012 Rosie Award by Waste & Recycling News (WRN), a national industry publication.

More than 60 women in the recycling, waste and sustainability industries were nominated for the first-ever Rosie Award, recognizing women who inspire greatness with leadership, work ethic, vision, creativity, innovation and entrepreneurship.

In the past two decades, recovery rates as well the public's awareness of recycling and waste-related issues have increased dramatically. Oahu today recycles five times more than 1990 and is ranked among the top cities in the country in landfill diversion.

"This honor came as a surprise," Jones said. "I learned my recycling team submitted the nomination, and I'm overwhelmed by their support. The award now means so much more to me."

During her tenure, curbside recycling has flourished along with recycling in the workplace. Key public education initiatives, including Oceanic Cable's Green Channel, Tour de Trash, and Discover Recycling Fairs, while managing the comprehensive www.opala.org website, a central information resource for the public for more than a decade.

Also in the month, ENV's Recycling Branch was presented with two awards at the Public Relations Society of America (PRSA) Hawaii Chapter's 29th Annual Koa Anvil Awards, held at the Hawaii Prince Hotel.

Two Koa Anvil Awards were handed out to the branch in the categories of Public Service (Gov't) and Community Relations (Gov't), and was a finalist for the Best of Show Award.



The components of the City's curbside recycling education campaign included The Green Channel (Oceanic Time Warner Cable 332); www.opala.org website; HTY school recycling shows and student activity books; and Costco's in-store recycling education, with analysis presented in the Curbside Recycling Program Evaluation and Strategic Planning report.

The judges noted "excellent use of research both before and after the campaign's launch" and "very thorough research and good results."

The Koa Anvil awards recognize overall campaigns, judged on the effectiveness of the research, strategic planning, creative execution and measurement of results in achieving objections.



*Jones poses with one of two Koa Anvil Awards presented to ENV's Recycling Branch.*



## *H-POWER EARNS ASME AWARD, THIRD BOILER CLOSE*

Mayor Peter Carlisle today announced that the City's H-POWER waste-to-energy plant received the Facility Recognition Award at the 20th North American Waste-to-Energy Conference, and an expansion of the facility will soon be operational.

"H-POWER was a wise investment for the City and is helping keep opala out of our landfill while providing a reliable source of electricity," Carlisle said. "It's great to have these efforts recognized by experts in the field."

The plant has been in service since 1990 and is operated for the City by Covanta Honolulu. It utilizes two refuse-derived fuel processing trains that each combust approximately 300,000 tons of municipal solid waste annually. The expansion project, often referred to as the third boiler, will handle an additional 300,000 tons per year.

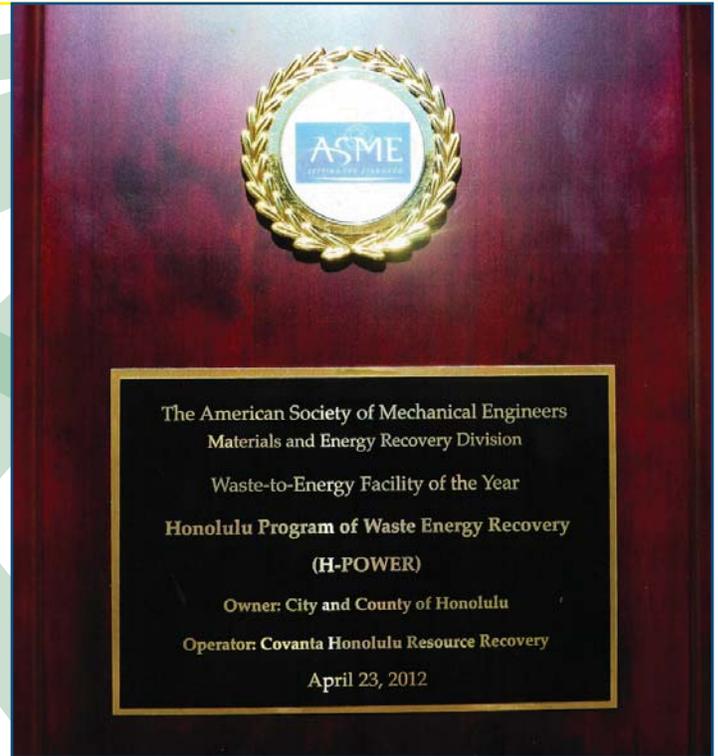
With the expansion, H-POWER will produce eight percent of Oahu's power – enough to power 75,000 homes – while diverting nearly 80 percent of the island's non-recyclable household opala from the landfill.

H-POWER also recovers approximately 20,000 tons of ferrous (steel) and non-ferrous (aluminum alloy) metal for recycling each year.

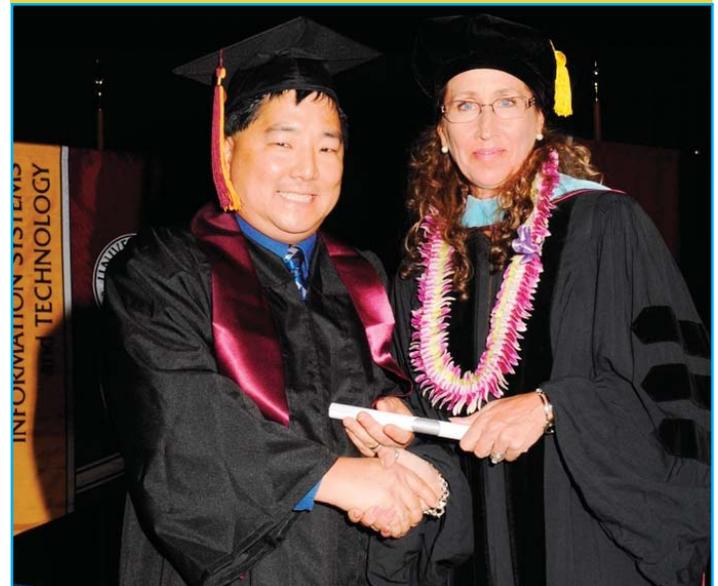
The award, presented by the American Society of Mechanical Engineers (ASME), recognizes contributions by solid waste processing facilities for both combustion and material recovery. The Facility Recognition Award is the conference's highest honor.

The City also negotiated a power purchase agreement with HECO to purchase electricity from the plant for the next 20 years. It should yield the City about \$85 million annually with 800,000 tons combusted.

The third boiler expansion is testing waste now and should be turned over to the City in early September.



## *Faces in the Crowd....*



*Congratulations to Wes Kam who recently received his Bachelor of Science in Business with a concentration in Public Management degree from the University of Phoenix with a 3.81 GPA. Wes has been with the City for five years with ENV's Wastewater Treatment & Disposal Division working as a Lead Electronic Technician at the Honouliuli Wastewater Treatment Plant. Wes is currently enrolled in their MBA graduate program.*

## ALOHA ENV EMPLOYEES!

### NEW HIRES

Div.	Name	Position
WTD	Xavier Brown	Electrical/Electronic Equip. Rep.
WTD	William Haire	Asst. WWTP Operator
EQ	Kanoe Kaneshiro	Clerk Typist
WTD	Leonard Samoa	Asst. WWTP Operator
EQ	Rona Teppang	Sanitary Chemist II
CSM	Paul Texeira Jr.	Engineering Support Tech I

### IN-HOUSE PROMOTIONS

Div.	Name	Position
WTD	William Berasis	WWTP Operator IV
REF	Adam Bien	Recycling Specialist IV
EQ	Amy Fajardo	CE III
WTD	Benjamin Goshert	Storekeeper III
REF	Mary Helmstetter	Recycling Specialist IV
WTD	Allen Holt Jr.	WWTP Maintenance Mechanic
WTD	Vincent Keliukuli	WWTP Maintenance Mechanic
WTD	Brent Murphy	WWTP Operator III
EQ	Jordan Nakagarwa	Sanitary Chemist II
EQ	Cornelius Nugent	CE IV
WTD	Miles Oreta	WWTP Maintenance Mechanic
WTD	Regino Silao	WWTP Maintenance Mechanic
EQ	Diane Sonoda	Senior Clerk Typist

### RETIREMENTS

Div.	Name	Yrs	Position
WTD	Adrian Carvalho	29	Maintenance Mechanic
WTD	Horatio Hawkins	27	WWTP Operator IV
WTD	Allen Perry Jr.	32	WW Regional Supervisor

## QUOTABLES

"Growing up training, I use to get up so early I would wave to the garbage men going by. So, I had this relationship with Blue Collar America, and I really liked it. I felt that lots of those people looked forward to me winning."

-Gerry Cooney,  
(Professional Boxer)



## HUANG, TAMASHIRO WIN WTD BOND

Rachel Tamashiro and Regina Huang of St. Andrew's Priory School were the recipients of a \$200 bond issued by ENV at the 55th Hawaii State Science & Engineering Fair at the Hawaii Convention Center April 2-4, 2012.

They entered an innovative bladeless turbine designed to produce electricity from Hawaii's offshore currents. And they've snapped on masks and snorkels to supervise their sea trials.

Their helical, elliptical design is similar to other "auger" turbines but is vertical and has a feature to keep the turbine clear of seaweed and debris like nets and fishing lines. Sharp edges at the top and the bottom of the turbine will eventually trim off any snagged netting, fishing lines or seaweed.

Michael Grech, a teacher at St. Andrew's Priory, earned a \$200 bond from ENV.



WTD Chief Athan Adachi with winners Rachel Tamashiro (15) and Regina Huang (16) of St. Andrew's Priory School.



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