



RESOLUTION

SUPPORTING THE UTILIZATION OF RECYCLED WATER FOR INDUSTRIAL USES AT THE CITY'S WASTE-TO-ENERGY (H-POWER) FACILITY.

WHEREAS, of the 1.6 million tons of waste generated annually on Oahu, about 600,000 tons of this waste is burned at H-Power, the city's waste-to-energy facility; and

WHEREAS, about five percent of the island's electricity is produced at the H-Power plant; and

WHEREAS, H-Power consists of two furnace/boilers which can burn 854 tons-per-day of refuse-derived fuel (RDF) at temperatures exceeding 1,800 degrees Fahrenheit; and

WHEREAS, at present, H-Power utilizes potable water to cool its boilers, although that water must be demineralized at additional cost to avoid damaging the plant's turbines; and

WHEREAS, recycled water is produced at the Board of Water Supply's Honouliuli Water Recycling Facility (HWRF) in Ewa to provide a reliable source of non-potable water for irrigation and industrial uses that is safe for the environment and more advantageous to use than potable water sources; and

WHEREAS, located at the property line of the H-Power facility is the HWRF pipeline that transmits reverse osmosis (RO) recycled water for industrial purposes; and

WHEREAS, the HWRF is designed to generate a total of 2 million gallons per day of RO recycled water; and

WHEREAS, the council understands that there may be a sufficient quantity of RO recycled water from HWRF to supply H-Power's needs via the neighboring pipeline; now, therefore,

BE IT RESOLVED by the Council of the City and County of Honolulu that it expresses its support for the use of RO recycled water by H-Power; and

BE IT FURTHER RESOLVED that the director of the department of environmental services and the director and chief engineer of the board of water supply are urged to implement H-Power's use of RO recycled water at the earliest feasible opportunity; and

PWE



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BE IT FURTHER RESOLVED that the departments are requested to submit a report to the council no later than six months after the adoption of this resolution describing the status and progress toward implementing the use of RO recycled water at H-Power; and

BE IT FINALLY RESOLVED that copies of this Resolution be transmitted to the director of the department of environmental services, the manager and chief engineer of the board of water supply, and the mayor.

INTRODUCED BY:



DATE OF INTRODUCTION:

OCT 23 2006

Honolulu, Hawaii

Councilmembers

(OCS/100406/ct)

CITY COUNCIL
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII
CERTIFICATE

RESOLUTION 06-329

Introduced: 10/23/06 By: TODD APO

Committee: PUBLIC WORKS &
ENERGY

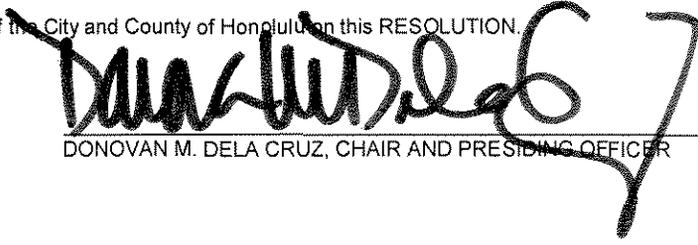
Title: RESOLUTION SUPPORTING THE UTILIZATION OF RECYCLED WATER FOR INDUSTRIAL USES AT THE CITY'S WASTE-TO-ENERGY (H-POWER) FACILITY.

Links: [RES06-329](#)

PWE	11/02/06	CR-464 – RESOLUTION REPORTED OUT OF COMMITTEE FOR ADOPTION.								
COUNCIL	11/15/06	RESOLUTION AND CR-464 ADOPTED.								
	APO	Y	CACHOLA	Y	DELA CRUZ	Y	DJOU	Y	GARCIA	Y
	KOBAYASHI	Y	MARSHALL	Y	OKINO	E	TAM	Y		

I hereby certify that the above is a true record of action by the Council of the City and County of Honolulu on this RESOLUTION.


DENISE C. DE COSTA, CITY CLERK


DONOVAN M. DELA CRUZ, CHAIR AND PRESIDING OFFICER