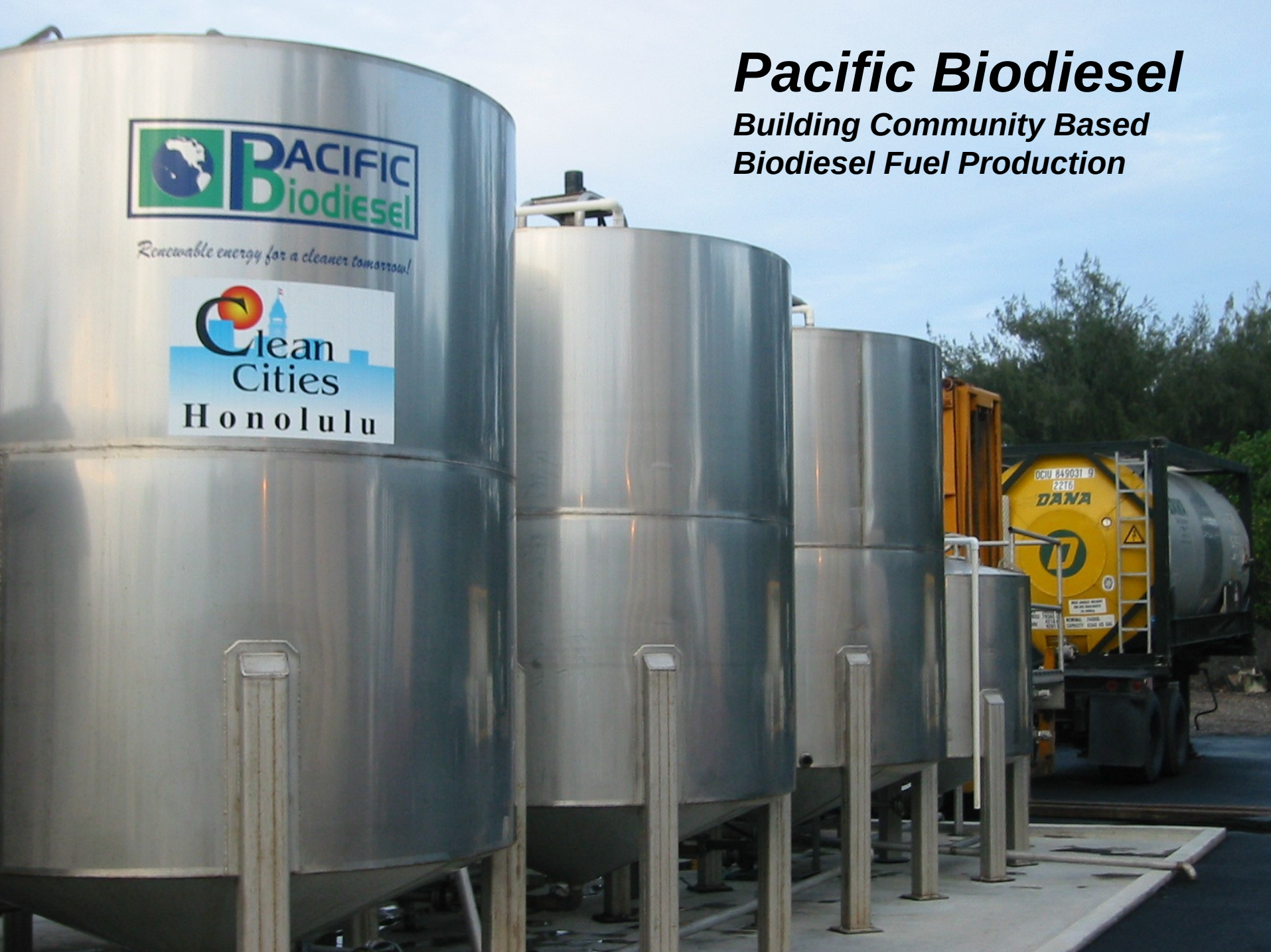
Pacific Islands Environment Conference
June 22, 2005

Pacific Biodiesel

Building Community Based Biodiesel Fuel Production



KING DIESEL
Cummins
Power
Generation
871-6624
powered by
BIODIESEL
RAM 2500

Pacific Biodiesel – Maui, Hawaii USA

From Waste

To Energy

What is Biodiesel?

- A fuel for any diesel engine
- Non-toxic
- Biodegradable
- Non-flammable
- 100% renewable / recycled
- Superior lubrication
- Low emission
- Ultra Low Sulfur

Benefits for our community

Waste Reduction and Diversion

15,000 tons / 3.8 million gallons per year

Jobs

Direct jobs and new industries

Exporting Technology

Worldwide recognition for Hawaii

PACIFIC Biodiesel

Fuel Tax Rates September 2004

	Biodiesel	Petroleum Diesel
Maui County:		
	Fed $0.244	Fed $0.244
	State $0.040	State $0.340
	Total: $0.284	**Total$0.584**
C&C of Oahu:		
	Fed $0.244	Fed $0.244
	State $0.123	State $0.325
	Total $0.367	**Total $0.569**
Kauai County		
	Fed $0.244	Fed $0.244
	State $0.040	State $0.290
	Total $0.284	**Total $0.534**
Hawaii County		
	Fed $0.244	Fed $0.244
	State $0.062	State $0.248
	Total $0.306	**Total $0.492**

Who uses biodiesel?

OAHU:
City & County of Honolulu
Travel Plaza Transportation
Polynesian Adventure Tours
Hawaiian Electric

MAUI:
Maui Land & Pine
Rojac Trucking
County of Maui
Akina Bus

powered by
BIODIESEL
MADE IN HAWAII FROM 100%
RECYCLED VEGETABLE OIL

Pacific Biodiesel
KING DI
CLEAN FUEL VEHICLE

PASSAT
TDI
CUTTER
powered by
BIODIESEL

PACIFIC
Biodiesel
Clean
Cities
Honolulu
POWERED BY
100% RECYCLED VEGETABLE OIL

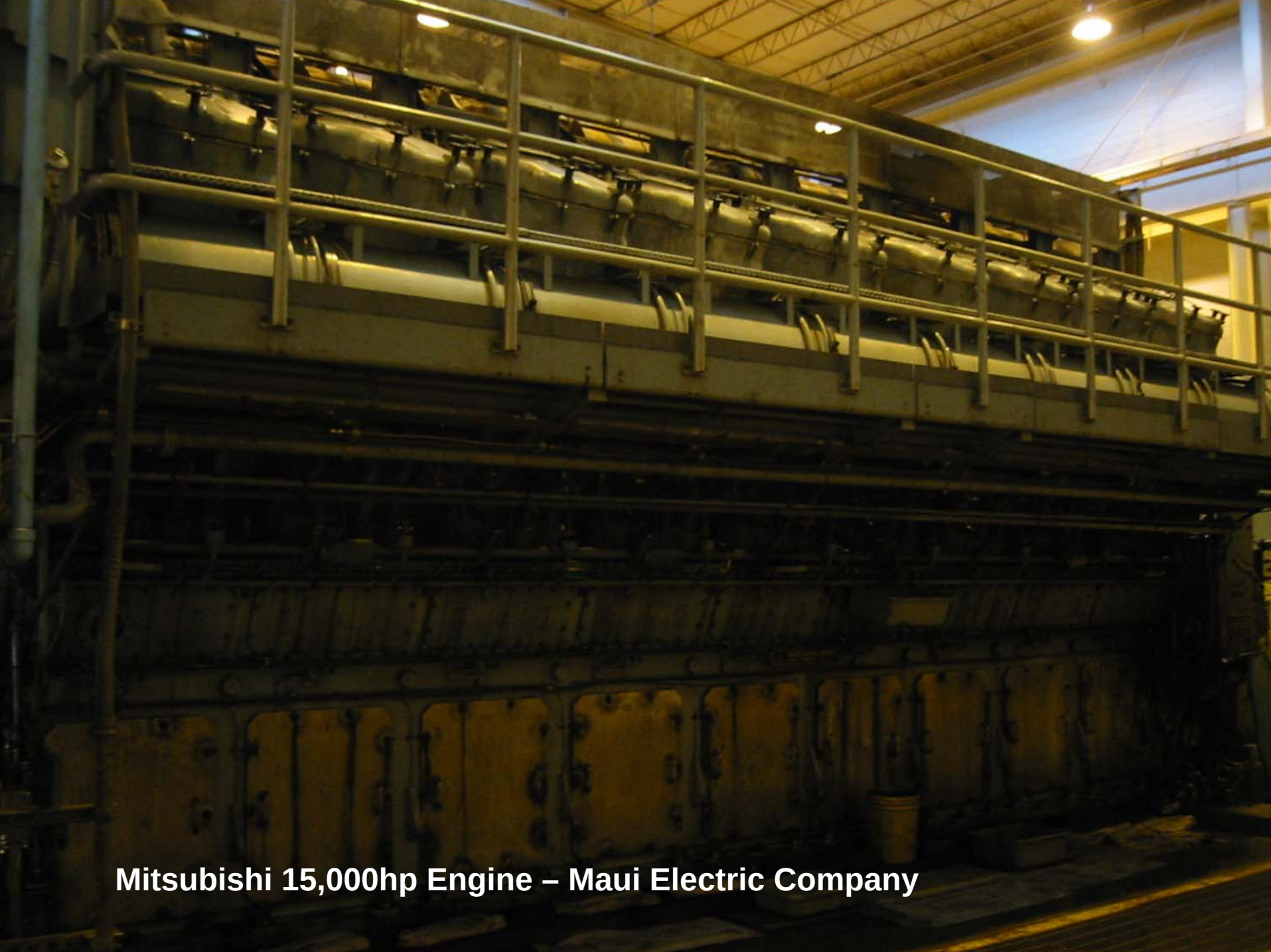
Maui Matt
85 MCR

Clean Cities
Honolulu
C C 6763

HONOLULU
DISPOSAL
SERVICE
845-7581
TARE 16600
HONOLULU
DISPOSAL
845-581

SUCK 'EM UP
PUMPING

638



Mitsubishi 15,000hp Engine – Maui Electric Company

Yoshida Kosan Nagano Japan

Yoshida Biodiesel Plant - Nagano Japan

Virginia Biodiesel Refinery 2005

Virginia Biodiesel, Virginia USA

Bently Agrodynamics plant under construction
Nevada USA

Pacific Biodiesel Plant – Salem, Oregon USA
Under Construction 3 million liters/year

Biodiesel Production in Hawaii

Current Biodiesel production in Hawaii
500,000 gallons/year = 1.3% of all on-road diesel

Potential for used cooking oil in Hawaii -
1.5mil gallons/year = 3.9% of all on-road diesel

The Future:
Field Crops for Biodiesel

Diversified Island Agriculture
Sustainable Energy
Eco Tourism
Secure Fuel Source