

October 2016 Department of Environmental Management

- Overall Cost Reduction of Sludge Disposal, and Electric Power
- Predictability in Electric Power Prices
- Path to Renewable Energy at the Kahului Wastewater Reclamation Facility
- Small Path Towards Keeping Maui Green
  Potential for Jobs on Maui

 Overall Cost Reduction of Sludge Disposal, and Electric Power
 Predictability in Electric Power Prices



#### Sludge Drying



Energy Crops or Other Available Feedstocks



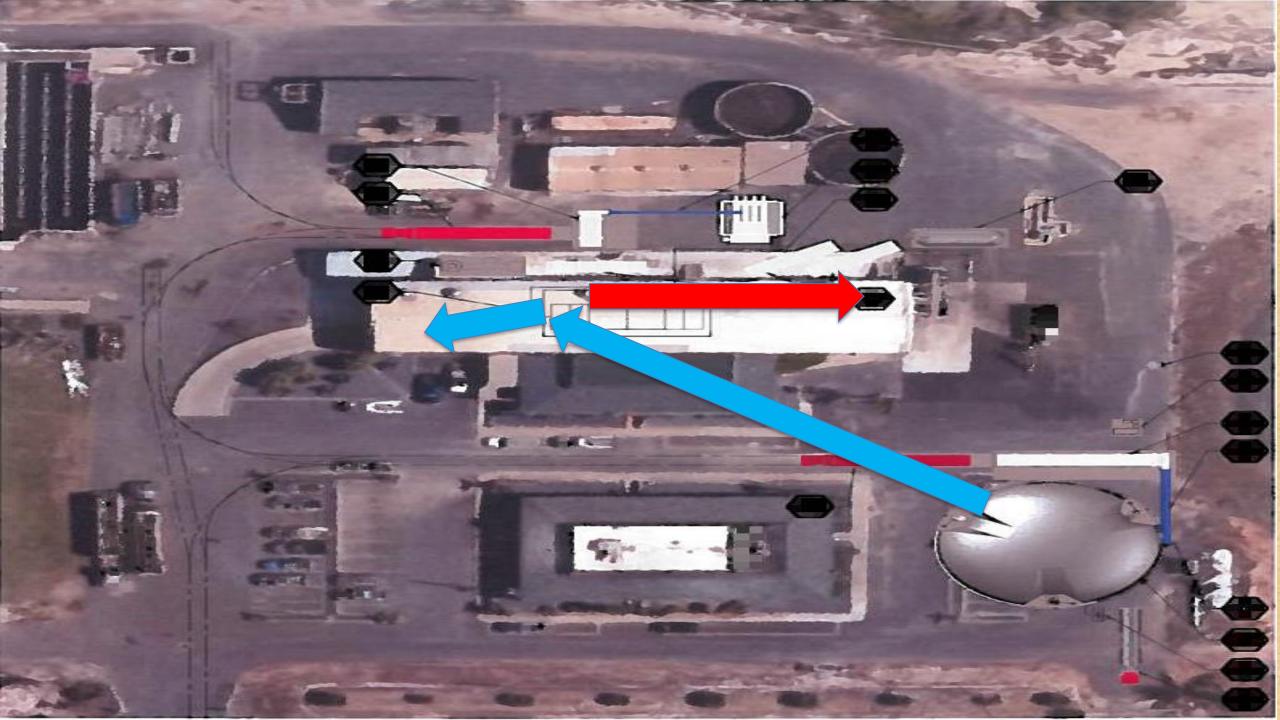
Biogas Treatment



#### Combined Heat & Power







Sludge Disposal Cost
FY16 \$1.99M (\$83/Ton)
FY17 \$2.47M (\$103/Ton)
MANA - \$1.92M (\$80/Ton)

 Overall Cost Reduction of Sludge Disposal, and Electric Power
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## Path to Renewable Energy at the Kahului Wastewater Reclamation Facility Bio-Energy Crops

# State of Hawaii

 House Bill 623 (Amending Act-097) signed into law by Governor Ige this year making Hawaii energy selfsustaining, using 100 percent renewable sources, by 2045.

• The first U.S. State in the union to set a date for the total de-carbonization of its power supply