



NEWS RELEASE

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Mākena Wastewater Plant Goes Solar

(May 22, 2009, Makena, Maui HI)...The Maui sun was thanked today in a blessing held by Dowling Company at the site of the Makena Wastewater Reclamation Plant, a private sewage treatment plant that services Makena Resort. The occasion was the completion of the installation of 549 Sanyo 195-watt photovoltaic (PV) panels on the facility's roof, which represent 107 kilowatts of power, generating 150,000 kilowatt-hours annually.

The second phase of this project calls for an additional 498 panels which will bring the total system size to 204 kilowatts. Once completed, it will become the first net-zero energy wastewater treatment and reclamation plant in Hawaii, with the PV panels powering both the plant and associated pump stations. Estimated power production will equal 300,000 kilowatt-hours annually, saving Maui 175 barrels of oil each year.

The PV panels are mounted on the plant's ground, roof and as a canopy that will shade clarifying basins, reducing algae growth.

The Makena Wastewater Reclamation Plant treats 100% of resort's wastewater on-site, with a capacity of 750,000 gallons per day. Wastewater is treated to the R-1 level before it is reclaimed and used for golf course irrigation..

In remarks during the blessing ceremony, Everett Dowling president of Dowling Company and managing partner of Makena Land LLC, which owns Makena Resort, stated: "The great news about this reclamation plant, aside from offering enormous energy savings by utilizing the power of the sun, is that it provides nutrient-rich water for the golf courses in the resort without using one drop of potable water."

Mayor Charmaine Tavares also spoke at the blessing and issued high praise for the project. Also in attendance were Joshua Wisch representing Congresswoman Hirono Council Member Michael Victorino, Planning Commissioner Jonathan Starr and Kelly McGinnis, representing Council Member Pontanilla.

The PV system was designed and installed by Hoku Solar. All food served at the blessing event was locally-grown on Maui.

The installation of the PV system is one of many environmental practices being implemented by way of a strict “green” policy at Makena Resort. The resort is also slated for a 35-acre photovoltaic farm and a 12-acre organic farm.

FACTS ABOUT THE MAKENA WASTEWATER RECLAMATION PLANT:

- *Offsets 4,814 tons of carbon dioxide, 22 tons of sulphur oxide and 8 tons of nitrous oxide emissions over the course of 25 years*
- *Generates enough electricity to power 851 homes on Maui*
- *Is the equivalent of removing 309 cars from Maui’s roadways*
- *Treats 100% of the resort’s wastewater on-site at a capacity of 750,000 gallons per day*
- *Uses the treated effluent to irrigate golf course.*



