



RESOLUTION

REQUESTING THE DEPARTMENT OF PARKS AND RECREATION TO COLLABORATE WITH THE SOLAR AND PHOTOVOLTAIC INDUSTRY TO ASCERTAIN THE EFFECTIVENESS, EFFICIENCY, AND COST BENEFITS OF INSTALLING SOLAR AND/OR PHOTOVOLTAIC WATER HEATING SYSTEMS AT CERTAIN CITY FACILITIES, INCLUDING SWIMMING POOLS.

WHEREAS, the National Renewable Energy Laboratory (NREL) determined that Hawaii derives nearly 90% of its primary energy resources from oil, making the state of Hawaii the most oil dependent state in the United States; and

WHEREAS, in January 2008, the U.S. Department of Energy and the state of Hawaii jointly initiated the "Hawaii Clean Energy Initiative" program that seeks to reduce Hawaii's oil dependence and provide 70% of the state's primary energy from clean energy sources by 2030; and

WHEREAS, both solar and photovoltaic (PV) systems convert a clean, free, and abundant energy source, solar radiation, into direct current electricity that can then be used to power an entire electrical system, including lighting, cooling, and heating needs; and

WHEREAS, the NREL identified Hawaii along with 15 other states as situated in the most ideal geographical locations in the United States to produce efficient and effective photovoltaic-derived electrical energy; and

WHEREAS, the Department of Parks and Recreation (DPR) manages, maintains and operates all City parks and parks facilities which include offering educational and recreational programs, many of which require the use of electricity to enhance the public's enjoyment and use of City parks and parks facilities; and

WHEREAS, DPR's Aquatics unit administers over 600 aquatics classes held for children, teens, adults, seniors, and people with disabilities at the City's 21 swimming pools; and

WHEREAS, recently, there have been reported public complaints that the water heating systems at various City swimming pools are in such disrepair that the aquatic facilities have either limited hours of operations or the public has stopped using the pool altogether; now, therefore,

BE IT RESOLVED by the Council of the City and County of Honolulu that the Department of Parks and Recreation is requested to collaborate with the solar and



RESOLUTION

photovoltaic industry to ascertain the effectiveness, efficiency, and cost benefits of installing solar and/or photovoltaic water heating systems at certain City facilities, including swimming pools; and

BE IT FURTHER RESOLVED that the Department of Parks and Recreation is encouraged to identify which City facilities are deemed by the Department to be the most appropriate to install solar and/or photovoltaic water heating systems to heat showers and/or the swimming pool; and

BE IT FURTHER RESOLVED that the Department of Parks and Recreation is directed to report its findings and recommendations to the Council no later than 180 days following the adoption of this Resolution; and

BE IT FINALLY RESOLVED that copies of this Resolution be transmitted to the Mayor, the Managing Director, and the Director of the Department of Parks and Recreation.

INTRODUCED BY:

Joey Manahan

DATE OF INTRODUCTION:

April 23, 2013
Honolulu, Hawaii

Councilmembers