



RESOLUTION

REQUESTING THE DEPARTMENT OF PARKS AND RECREATION TO RESEARCH, ANALYZE, AND DETERMINE THE COST BENEFITS OF INSTALLING PHOTOVOLTAIC WATER HEATING SYSTEMS AT CITY 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 (U.S.); 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, 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 U.S. to produce efficient and effective photovoltaic-derived electrical energy; and

WHEREAS, the Department of Parks and Recreation (DPR) manage, maintain and operate 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 research, analyze, and determine the cost benefits to install, operate, and maintain photovoltaic water heating systems at City parks with swimming pools; and



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BE IT FURTHER RESOLVED that the Department of Parks and Recreation is also encouraged to identify a strategy and examine the long term benefits of phasing in the use of a photovoltaic system to power the comprehensive electrical needs at all City parks; 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:

[Handwritten Signature]

DATE OF INTRODUCTION:

APR 23 2013

Honolulu, Hawaii

Councilmembers