



# “What’s On Tap At the Authority”

*Newsletter of the Jackson Township Municipal Utilities Authority  
Summer 2011*



## **HYSON ROAD WATER TREATMENT PLANT SOLAR**

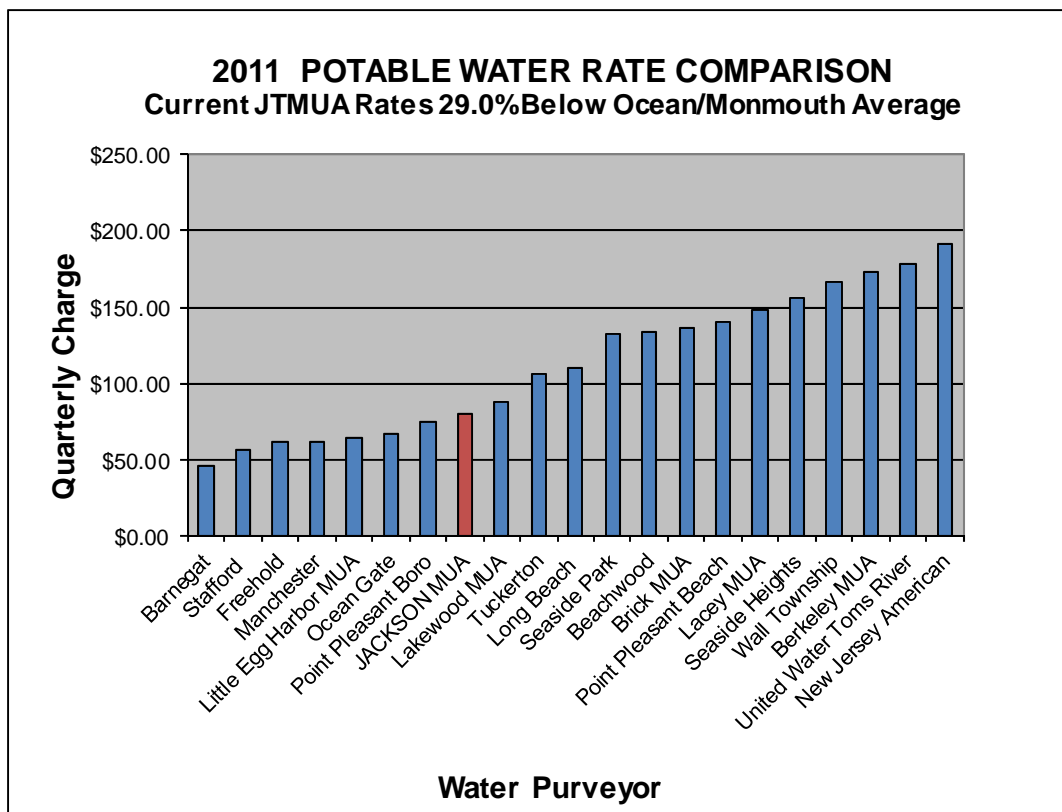
The Jackson Township Municipal Utilities Authority (JTMUA or Authority) spends \$200,000.00 annually for electricity at the Hyson Road Water Treatment Plant. In an effort to reduce costs and to be more environmentally conscious, JTMUA recently bid a power purchase agreement (PPA) whereby a contractor will construct ground-mounted solar panels on approximately 2 acres at the site. With a PPA, the contractor is responsible to construct and maintain the system at no cost to the Authority and will provide electricity to JTMUA at a reduced rate. Dobco, Inc. was the low bidder on this project and, if awarded, they will provide electricity at \$0.075 per kWh which is projected to save the Authority an average of \$55,198.47 per year. This contract will be presented for consideration at the Authority’s August 25, 2011 Public Meeting.

The solar arrays are scheduled to be in-service in early 2012 and JTMUA will enjoy the benefit of reduced power costs for the next 15 years. At the completion of this term, the Authority has the option to assume ownership of the system or have it removed.



## RATE CHART

The Authority continually benchmarks our performance with other public and private utilities. Our rates continue to be considerably below the average for Ocean and Monmouth Counties and our water quality remains among the best in the region.





## GROUNDWATER RULE

Water from wells, or groundwater, is not as susceptible to microbial contamination as surface water which is obtained from streams or reservoirs. Despite this reduced risk, however, the United States Environmental Protection Agency (USEPA) and the New Jersey Department of Environmental Protection (NJDEP) implemented a stringent, new requirement for groundwater systems effective December 1, 2009 whereby extensive treatment and disinfection must be documented and this is known as the “Groundwater Rule”.

To fully comply with the Groundwater Rule, a water system must be able to show that, if viruses were present in the well water, at least 99.99% would be removed before the water left the treatment plant site. This is known as 4-log compliance and we are pleased to report that the Authority was one of the first systems to achieve 4-log compliance in the three (3) water systems in Jackson Township (the main system, the Legler water system and the Six Flags Great Adventure water system).

The new Water Treatment Plant on London Drive was put into service in 2010 and has helped us achieve this milestone. This facility can produce 4.32 million gallons per day of pure water and is pictured below.





## **LEGLER WATER SYSTEM INTERCONNECTION**



The Authority purchased the Legler Water System from the Township of Jackson in 2009 with the intention of connecting this system with the JTMUA system. We are pleased to report that the Legler interconnection was completed, down Bowman Road, in May 2011 and the residents in Legler are now receiving their water from the advanced treatment facilities on London Drive and Hyson Road.

There is one additional aspect of the project which is still under construction and that is a water booster station on Butterfly Road which will better serve the Legler section during high demand periods.

## **WATER CONSERVATION**

The Authority wants to remind our customers about the importance of water conservation. The Authority's potable water demands more than triple in the summer months and most of this increase is related to outdoor irrigation.

Conservation tips can be found at [www.jacksonmua.com](http://www.jacksonmua.com) under the "Water" header.

## SPOTLIGHT ON...

### Earl Quijano, Principal Engineer

Earl Quijano has been with the Authority since 2005 and has served as Principal Engineer since 2008. Since being promoted, Earl has overseen \$20,000,000 in system improvements. Included in these projects was the new Water Treatment Plant on London Drive which was the single, largest capital improvement in the Authority's forty-seven (47) year history.

In his spare time, Earl has assisted "Change A Life Uganda" which is an organization with a mission to better the lives of children in Uganda through education. Their program "Quarters for Water" provides clean, on-site drinking water for students of the St. Lawrence School and their rural village of Migyera. Currently, men, woman and children spend hours walking to streams and ponds to collect small amounts of water, much of which is contaminated, making it the source of life-threatening illnesses.

Through donations, land was purchased for a new well and collection tanks have already been installed and are helping to supply clean drinking water. However, there is still a long way to go and it is hoped that pumps, pipes and a larger holding tank can be installed to provide a permanent source of clean water for this community.



The Authority's Principal Engineer, Earl Quijano, has volunteered his expertise to Change a Life Uganda and was presented an award from this worthy organization in March 2011 for his valuable assistance.

More information on Change a Life Uganda can be found on their website at [www.changealifeuganda.org](http://www.changealifeuganda.org).



## COMMISSIONERS AND STAFF

The Authority's Commissioners and staff are pleased to present this periodic update on our efforts to provide our customers with the best potable water at reasonable rates. It is our intention to publish this newsletter, on our website, semi-annually.

### COMMISSIONERS

William J. Allmann, Chairman  
Vicki Rickabaugh, Vice-Chairwoman  
Carol Blake, Secretary  
Richard Borys, Treasurer  
Geneva Clayton, Assistant Secretary/Treasurer  
Joyce Cladek, Alternate Commissioner  
Peggi Sturfels, Alternate Commissioner

### STAFF

David Harpell, Executive Director  
James Diaz, Assistant Executive Director/Director of Finance  
Earl Quijano, Principal Engineer  
Edward Mogila, Superintendent

