



**AMERESCO partners with the CITY OF MIAMI BEACH**

Ameresco is an energy services company that has been contracted by the City to identify opportunities to increase energy efficiency and measures in energy conservation in government operations through an examination of the City’s energy systems.

Ameresco has identified an opportunity to reduce water consumption and sewer costs at the Miami Beach Golf Course which could result in over \$1.35 million dollars in annual savings with the development and implementation of a water reclamation plant (WRP) utilizing a Membrane Bioreactor (MBR) process.

<b>Project Details</b>	
<b>What:</b>	A membrane based water reclamation process that draws clean water out of sewage before it reaches a wastewater plant and treating it in a satellite facility to extract reclaimed water for irrigation or other reuse purposes.
<b>Where:</b>	Nestled in the golf course near the existing yard waste collection station and the golf course maintenance facility.



*Anticipated WRP site location*

- City of Miami Beach Benefits**
- Supports the City’s environmental sustainability goals – utilizing reclaimed water for irrigation purposes instead of using costly potable water
  - Cost of building and operating the WRP will be paid for from energy and water savings (Miami-Dade Water and Wastewater fees)
  - WRP is designed strictly for reclamation
  - WRP will be minimal footprint - 60 ft by 60 ft (smaller than existing maintenance facility)
  - Will protect the golf course from inevitable water use restrictions

- WRP utilizes membrane bioreactor technology, producing irrigation quality water that far exceeds current standards
- WRP will eliminate the major odor sources associated with other treatment facilities
- Will provide level of beneficial odor control at LS #28
- WRP consists of a 450,000 gallon per day (GPD) MBR system that will discharge reclaimed water to existing golf course pond
- WRP will be designed to allow future expansion if the demand for reclaimed water increases
- Existing foliage and landscaping will provide aesthetically pleasing facility



**COMMUNITY MEETING TO DISCUSS AND ANSWER QUESTIONS**

May 25, 2011  
 6:00 – 7:30 pm  
 Miami Beach Golf Club  
 Community Room  
 2301 Alton Road, Miami Beach

For more information contact:  
 Ms. Lynn W. Bernstein  
 Community Resource and Outreach Team  
 Telephone: 305. 673.7000 x6178

**MIAMIBEACH**



**About Ameresco**

Ameresco, Inc. is one of the leading global energy services providers; delivering long-term customer value, environmental stewardship, and sustainability through energy efficiency services, alternative energy solutions, supply management, and innovative facility renewal strategies.