



# OUR FUTURE WITH REUSE/RECLAIMED WATER

A FULL DAY SEMINAR FOR SOUTH FLORIDA

## DATE & TIME

Friday, May 15th, 2009  
7:30am – 5:00pm

## LOCATION

Signature Grand  
6900 State Rd 84  
Davie, FL 33317  
[www.thesignaturegrand.com](http://www.thesignaturegrand.com)

## SPONSORS

- AECOM
- Brown and Caldwell
- Carollo Engineers
- CDM
- Chen and Associates
- MWH
- Malcolm Pirnie
- Hazen and Sawyer
- SFWMD
- WateReuse Florida

## PROGRAM SUMMARY

- 7:30am Registration
- 8:00am Welcome and Opening Remarks
- 8:45am Regulatory Issues
- 10:30am Implementing Reuse/Reclaim
- 12:00n Lunch Keynote Address:  
*Update on Best Available Technologies for Analysis*
- 1:30pm Utility Updates
- 3:00pm Public Forum

## REGISTRATION

Early Registration is strongly advised as seating is limited.  
\$35.00

Visit [www.fla-asce.org](http://www.fla-asce.org) for additional registration and sponsorship information

The Florida Section of the American Society of Civil Engineers, in partnership with the South Florida Water Management District invites you to participate in a one-day symposium with panel discussions by elected officials, technical experts, regulators and policy implementers involved in water supply issues. This symposium provides an open forum for current and future civil engineers, elected officials and the general public to discuss *Our Future with Reuse/Reclaimed Water*.



## SPEAKERS

The workshop is presented by elected officials, regulators, utility professionals and nationally recognized experts in the field of advanced reclaimed water treatment technologies and reuse.

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|--------------------|---|
| David Ammerman     | AECOM                                     |
| Bruce Chalmers     | Camp Dresser & McKee (CDM)                |
| Shannon Estenoz    | South Florida Water Management District   |
| Alan Garcia        | Broward County WWS                        |
| Pat Gleason        | Camp Dresser & McKee (CDM)                |
| Bertha Goldenberg  | Miami-Dade Water & Sewer Department       |
| Chris Helfrich     | City of Boca Raton                        |
| JoAnn Jackson      | Brown & Caldwell                          |
| Jeff Koons         | Palm Beach County Commission Chair        |
| Patrick Mullen     | Montgomery Watson Harza (MWH)             |
| Melodie Naja       | Everglades Foundation                     |
| Doug Owen          | Malcolm Pirnie                            |
| Stacy Ritter       | Broward County Mayor                      |
| Andrew Salvesson   | Carollo Engineers                         |
| Katy Sorensen      | Miami-Dade County Commissioner            |
| Shanin Speas-Frost | Florida Dept. of Environmental Protection |
| Satya Sukumar      | ASCE Florida Section President            |

## WHO SHOULD ATTEND?

The workshop will benefit consultants, state and federal regulators, engineers, water facility operators, planners, students, faculty, elected officials, utility managers and local government staff responsible for developing and implementing water quality and alternative water supply initiatives.

## TENTATIVE AGENDA—FRIDAY MAY 15TH 2009

| TIME | TOPIC | SPEAKER |
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|---------|--------------------------------------|--|
| 7:30 am | Registration & Continental Breakfast |  |
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|---------|-----------------------------|--|
| 8:00 am | Welcome and Opening Remarks |  |
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|  | Shannon Estenoz, <i>SFWMD Governing Board Member</i> | Satya Sukumar, <i>ASCE</i> |
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|  | Katy Sorensen, <i>Miami-Dade County Commissioner</i> | Stacy Ritter, <i>Broward County Mayor</i> |
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### MORNING SESSION NO. 1 (8:45 AM—10:00 AM)

#### Regulatory Issues

Representatives knowledgeable of regulatory issues related to reuse/reclaimed water legislation will provide an understanding from their perspective on issues ranging from limiting irrigation, effluent discharge and/or water quality standards.

Peter Moore, *Chen and Associates*  
(Moderator)

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| 8:45—9:05 am | National Perspective on Regulatory Issues Affecting Indirect Potable Reuse |  |
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Jo Ann Jackson, *Brown and Caldwell*

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| 9:05—9:25 am | State Perspective: FDEP Regulations—Why Reuse? |  |
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Shanin Speas-Frost, *FDEP*

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| 9:25—9:45 am | Regulatory Pressures to Implement Indirect Potable Reuse Projects |  |
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David Ammerman, *AECOM*

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| 9:45—10:00 am | Q & A Period |  |
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| 10:00—10:30 am | Break |  |
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### MORNING SESSION NO. 2 (10:30 AM—12:00 N)

#### Implementing Reuse/Reclaim

Industry professionals from utilities and elected officials will provide an understanding of the contemporary issues related to reuse/reclaimed water, including ocean outfall, micro-contaminants, energy requirements and costs.

Jose Lopez, *SFWMD*  
(Moderator)

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| 10:30—10:50 am | Implementing Reuse Successfully: Case Studies |  |
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Patrick Mullen, *MWH*

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| 10:50—11:10 am | Identifying Barriers and Developing Public Support for Reuse Projects |  |
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Doug Owen, *Malcolm Pirnie*

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| 11:10—11:30 am | Implementing Reuse in South Florida: Infrastructural Needs and Costs |  |
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Bruce Chalmers, *CDM*

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| 11:30—12:00 n | Q & A Period |  |
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### LUNCH (12:00 N—1:30 PM)

Keynote Address: Best Available Technologies for Reclaimed Water, a Cost and Benefits Analysis

Andrew Salveson, *Carollo Engineers*

### AFTERNOON SESSION NO. 1 (1:30 PM—3:00 PM)

#### Utility Updates

Public and private sector utility professionals responsible for interpreting and addressing the changing rules and regulations will provide an understanding of how public water suppliers fund mandates, addresses the increasing regulations, and ensure the protection of public health.

Pat Davis, *Hazen & Sawyer*  
(Moderator)

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| 1:30—1:50 pm | Miami-Dade Water and Sewer Department Update |  |
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Bertha Goldenberg, *MDWASD*

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| 1:50—2:10 pm | Broward County Update |  |
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Alan Garcia, *Broward WWS*

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| 2:10—2:30 pm | Boca Raton Utility Update |  |
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Chris Helfrich, *City of Boca Raton*

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| 2:30—2:50 pm | Political Will and Funding for Reuse Projects in S. Florida |  |
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Jeff Koons, *Palm Beach County Commission*

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| 2:50—3:00 pm | Q & A Period |  |
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### AFTERNOON SESSION NO. 2 (3:00 PM—5:00 PM)

Individuals from the previous sessions, elected officials, regulatory agencies, utility professionals and the private sector engineering will provide open public dialog regarding the benefits and issues around implementing reuse/reclaim water in South Florida.

Mark Elsner, *SFWMD*  
(Moderator)

Pat Gleason, *CDM*

Shanin Speas-Frost, *FDEP*

Jeff Koons, *Palm Beach County Commissioner*

Bertha Goldenberg, *MDWASD*

Melodie Naja, *Everglades Foundation*