



MAG GREENING WATER AND WASTEWATER INFRASTRUCTURE WORKSHOP

FIRST STEPS TODAY, STANDARD OPERATING PROCEDURE TOMORROW

JANUARY 12, 2010 AGENDA

- 8:00 a.m. - 8:30 a.m. **Registration**
- 8:30 a.m. - 8:35 a.m. **Welcome:** Councilwoman Peggy Neely, *City of Phoenix*, Chair, *Maricopa Association of Governments*
- 8:35 a.m. - 9:00 a.m. **Sustainability and the Water/Energy Nexus:** Benjamin H. Grumbles, Director, *Arizona Department of Environmental Quality*
- 9:00 a.m. - 10:15 a.m. **Session 1: Doing the Audit**
Moderator: Lindy Bauer, *Maricopa Association of Governments*
1. The How and What of Audits for Sustainable Infrastructure: Donald King, P.E., *Tetra Tech*
2. Benchmarking: Metrics for Success: Cheryl McGovern, *U.S. Environmental Protection Agency, Region IX*
3. Lessons from the Small Fry: Robert Casavant, Ph.D., *Arizona State Parks*
- 10:15 a.m. - 10:30 a.m. **Morning Break**
- 10:30 a.m. - 12:10 p.m. **Session 2: How to Fund the Fixes**
Moderator: David McNeil, *City of Tempe*
1. Energy Audits and Financial Assistance: Melanie Ford, *Arizona Water Infrastructure Finance Authority*
2. Grants and Other Funding Opportunities: Cheryl McGovern, *U.S. Environmental Protection Agency, Region IX*
3. Power Purchase Agreements and Other Innovative Approaches: Guy Carpenter, P.E., *HDR*
4. U.S. Department of Energy Assistance Opportunities: Patti Case, P.E., *U.S. DOE, Intermountain Clean Energy Center*
- 12:10 p.m. - 1:10 p.m. **Lunch and Keynote Speaker**
Cashing In on Energy Management Initiatives for Sustainable Infrastructure:
Shonnie Cline, *Water Research Foundation*
- 1:10 p.m. - 2:30 p.m. **Session 3: Stepping Toward Sustainability**
Moderator: Greg Ramon, *City of Phoenix*
1. Cogeneration, Demand Management Program, and Chemical Reduction: Ronny Lopez, *City of Mesa*
2. Innovations in Nitrate Treatment and Water Reclamation: Rick Scott and Larry Brotman, *City of Glendale*
3. Conserving Water with a Rebate Threshold Rate Structure: Graham Symmonds, P.E., *Global Water*
4. Water Smart Grids: Demand and Leak Control Using Intelligent Monitoring Systems: Eric Williams, Ph.D., *Arizona State University*
- 2:30 p.m. - 2:45 p.m. **Afternoon Break**
- 2:45 p.m. - 4:20 p.m. **Session 4: Opportunities for New Energy: Ready-to-Use Technologies**
Moderator: Cathy Arthur, *Maricopa Association of Governments*
1. Hydroturbines: It's All Downhill from Here: Maureen Hymel, *City of Phoenix*
2. Not Hazy: Energy from FOG: Karri Ving, *San Francisco Public Utilities Commission*
3. Pima County Opportunities and Initiatives: Ed Curley and Eric Wiedulwilt, P.E., *Pima County Regional Wastewater Reclamation Department*
4. Improved Therapy for Wastewater Treatment Plant Digester Gas: David Mahaffay, P.E., *Black & Veatch*
- 4:20 p.m. - 4:40 p.m. **Closing: Greening Water and Wastewater Infrastructure - The Path Forward:**
Cheryl McGovern, *U.S. Environmental Protection Agency, Region IX*

Contact Julie Hoffman
at (602) 254-6300 for
more information.



A special thanks to the League of Arizona Cities and Towns for promoting the workshop.