



## RELEVANT PUBLICATIONS – Dr. William Bellamy

### **Peer Reviewed Publications**

Deriving value from produced waters, Jonathan Brant, W Bellamy, Environmental Aspects of Unconventional Oil & Gas Production & Hydraulic Fracturing, ASC National Convention, San Diego CA, March 16, 2016

Sustainability Principles and Regulatory Development\*, W Bellamy, P Swaim, J Curl, A Carpenter, A Roberson. Journal AWWA, March 2015

Greenhouse Gas Emission Inventory and Management Strategy Guidelines for Water Utilities, Water Research Foundation, November 2009.

Capital Planning Strategy Manual. IWA Publishing October, 2003.

Use of a Mass Balance Model to Develop Guidelines for Treatment Plant Recycle Streams, Water Science & Technology: Water Supply 1:4 2001.

Pilot Testing with the End in Mind, Journal AWWA, May 2001.

Integrated Membrane Treatment in Alaska, Journal AWWA 89:10, October 1997.

Treatment of VOC-Contaminated Groundwater by Hydrogen Peroxide and Ozone Oxidation\* Research Journal WPCF, 63:2 March/April 1991.

### **Contributions to Books**

Sustainable Approaches for Water Treatment Plant optimization, Chapter 2. In: Comprehensive Water Quality and Purification, Elsevier Science, 2013

On Line Instrumentation and Control for Water Treatment, AWWA Research Foundation, publication (in print), Lead author for 2 chapters, 2001.

### **Presentations and Publications**

Use of Sustainability Principles In Developing Drinking Water Regulations, Curl J.M., Swaim P.D. and Bellamy W.D, AWWA Sustainable Water Management Conference, Denver CO., March 31, 2014

Balancing Biological Treatment with Water System Goals, American Water Works Association 2013 Biological Treatment Symposium, Denver Colorado, March 29, 2013

Public & Private Sector Perspectives on Water Reuse in the Kingdom, Saudi Water & Power Forum, Jeddah, Saudi Arabia, 2-4 December 2012

Energy Water Nexus. Bay Planning Coalition, Oakland CA, October 26, 2012

Water Quality and Treatment Process Dynamic Simulation Modeling, 14th Annual, Utah Water Quality Alliance, Salt Lake City, May 2012

How to Finance the Energy Portion of the Water/Energy Nexus, Public Works Magazine June 2012.

Comprehensive Study of Water Reuse Role in Integrated Water Resources Management – Kingdom of Saudi Arabia, report to KAUST 2012

Sustainability and Policy Development, Curl J.M., Swaim P.D. and Bellamy W.D, Annual AWWA Annual Conference and Exposition (ACE11) Washington DC, June 12 - 16, 2011

A Sustainable Approach to Implementing Water Resource Projects, American Society of Civil Engineers, Fort Lauderdale FL, May 13 2011.

Addressing water and energy in industrial and indirect potable reuse Water Efficiency 2011, Amman Jordan, IWA, USAID March 28 2011.

Including Energy Use and Greenhouse Gas Formation In Water Decisions, Curl J.M., Swaim P.D. and Bellamy W.D, CA-NV SECTION AWWA Long Beach, CA, March 28-31, 2011

Ethics in Environmental Engineering, University of Colorado Symposium, November 2010

Integration Tools and Sustainability Implements: A Holistic Approach to Integrated Sustainability, Water Environment Federation, WEFTEC 2010, New Orleans, October 4, 2010.

Water vs. Energy and Greenhouse Gases: The Numbers that Tell the Tale, American Water Works Association, Annual Conf and Expositing, Chicago IL June 2010.

A Dialogue on Cities and Climate Change, The World Bank Sustainable Cities Conference, Washington DC, September 21-23, 2009

Balancing Costs and Benefits: Water Reuse Symposium Dallas September 9, 2008

Sustainable Policy Development for Water Management, 61st Annual Conference, Kansas Water Environment Association, Topeka Kansas, April 11-13, 2006

Drought Impacts on Facility Planning for Public Utilities, ACEC conference, Crested Butte Colorado August 2003

How to Get the Most Out of Your Planning, Studies, and Testing, Intermountain AWWA Annual Conference, Jackson Hole, WY, November 2000.

Design for Underground Tanks, Pollution Engineering, November 1986.

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