

Sanford Berg Distinguished Service Professor, Economics Director of Water Studies, Public Utility Research Center <u>sberg@ufl.edu</u>



www.purc.ufl.edu



- PURC: an internationally recognized academic center dedicated to industry research and to providing training for industry and regulatory professionals
- ✓ Founded in 1972 ,
- Located in the Warrington College of Business Administration
- Our aim: to enhance the understanding of issues confronting public utilities and regulatory agencies through:
  - Conferences, seminars, training programs, research and advisory services covering the energy, telecommunications and water sectors, and
  - ✓ Preparing students for careers in infrastructure industries

#### **PURC Mission**:

- Expand the body of knowledge in public utility industry structure and practices, regulation, market reform, and infrastructure operations
- Teach the principles and practices that support effective utility policy, operations, and regulation
- Provide ongoing professional development for industry and regulatory professionals, shaping emerging regulatory and industry business and value paradigms



Marrie Backleholt

Technical Training: "Decision-makers tend to manage what they measure." <u>PURC Vision</u>: Expanded deployment and efficient delivery of utility services in all countries. We realize this vision by providing innovative and balanced research, by teaching the core principles and best practices of utility regulation and management and by offering a forum for the free exchange of ideas.



Research:e.g. benchmarking studies of Peru, SE Asia, Uganda, Brazil and Central America)





Education: e.g. PURC/World Bank International Training Program on Utility Regulation and Strategy, January 2011



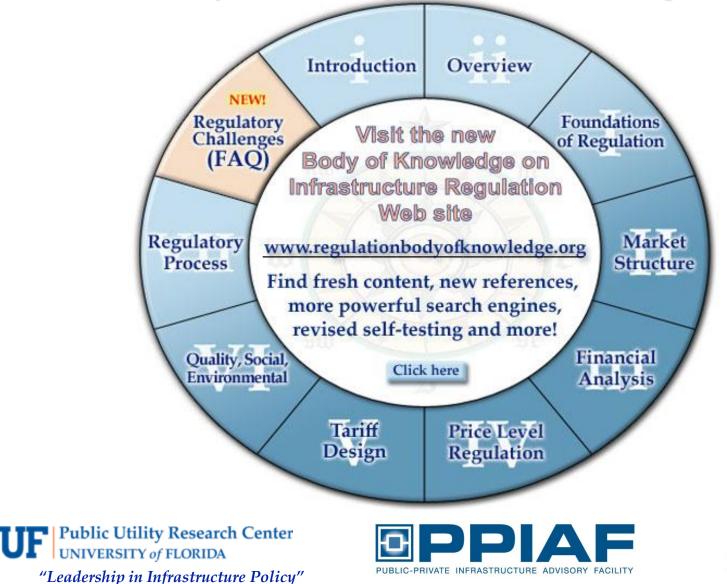
Service: e.g. training abroad and university collaborations

## **PURC Utility Research Capabilities**

- ✓ 10 Faculty and Faculty Affiliates
- ✓ 9 Senior Research Associates
- ✓ 10 Research Associates
- ✓ 14 Senior Fellows
- ✓ 21 Visiting Scholars
- ✓ 50+ International Research Partners

(e.g., World Bank, USAID, NARUC, London Business School, Inter-American Development Bank, Center for International Business Education and Research, Cambridge Leadership Associates, UN-HABITAT and more)

#### The Body of Knowledge on Infrastructure Regulation



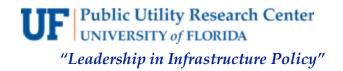


## **Illustrative PURC Activities**

**Climate Change Adaptation** 

**Hurricane Hardening Project** 

Water Utility Benchmarking



"The fewer the facts, the stronger the opinion." Proprietary, 1844

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## **Climate Change Adaptation**

#### **Ted Kury, Director of Energy Studies**

#### William Feldman, "Annotated Reading List on International Greenhouse Gas Emission Policy"

Climate change is an international issue that should be met with cooperation and coordination between countries around the globe. Composed of various journal articles, Web sites, and research papers, this annotated reading list is focused on providing sources of information to assist in future research on international greenhouse gas (GHG) emission policy.

**UF** Public Utility Research Center UNIVERSITY of FLORIDA "Leadership in Infrastructure Policy"

## **Climate-Related Research Areas**

- Governor's 2008 "Serve to Preserve Florida" Summit on Climate Change
- Emissions Trading (Encyclopedia of Energy Engineering and Technology)
- Distributed Generation
- Renewable Energy Deployment
- Rate Design Considerations for Energy Efficiency

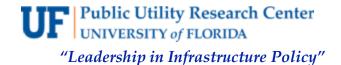


# If the rhythm of the drum beat changes, the dance step must adapt. (Kossi, Burkina Fasso)



FPSC Order No. PSC-06-00351-PPA-EI

- (1) research on undergrounding existing electric distribution facilities by surveying the current literature, performing case analyses of Florida underground projects, and developing a model for projecting the benefits and costs of converting overhead facilities to underground;
- (2) data gathering and analysis of hurricane winds in Florida and the possible expansion of a hurricane simulator that can be used to test hardening approaches; and
- (3) an investigation of effective approaches for vegetation management.



# Water that has been begged for does not quench the thirst." Local Des not quench the thirst. (Soga, Uganda Proverb)

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## Water Utility Benchmarking

- World Bank IBNET (Benchmarking methodologies) Inter-American Development Bank (Central America) UN-HABITAT (Caribbean)
- Operating Efficiency (trends, comparative performance, targets)
- Governance and Incentives (technology necessary, not sufficient)
- Financial Sustainability (access, pricing, fairness)
- Water Resource Sustainability (hydrology, waste treatment)

#### Adaptation to External Threats and Opportunities



COP

Dispreciation

Taxes and License Foos

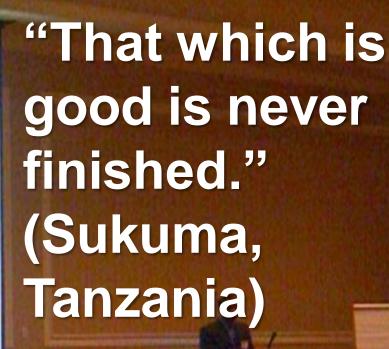
HCR5A

CPRBA Force Majoure Limits

VAD

Extraordinary

Quality



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