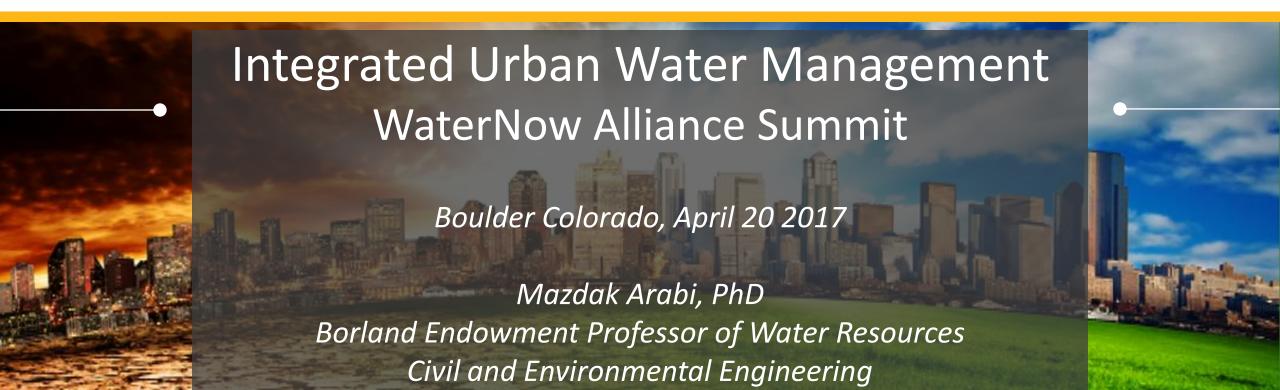
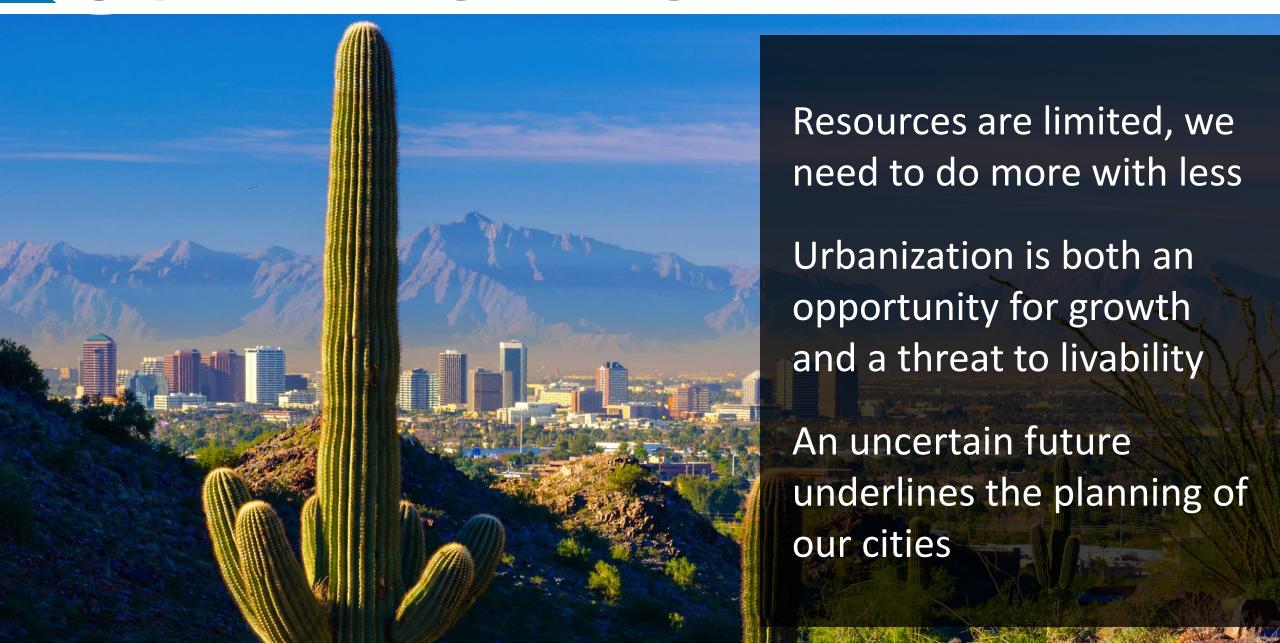


Connecting world class research with real-world water challenges

Colorado State University



URBAN WATER CHALLENGE



INTEGRATED URBAN WATER SYSTEMS

Drinking
Water
Systems

Water Supply City Wastewater Systems

Sewered City Stormwater Systems 4

Drained City

Integrated Systems

Water Wise City

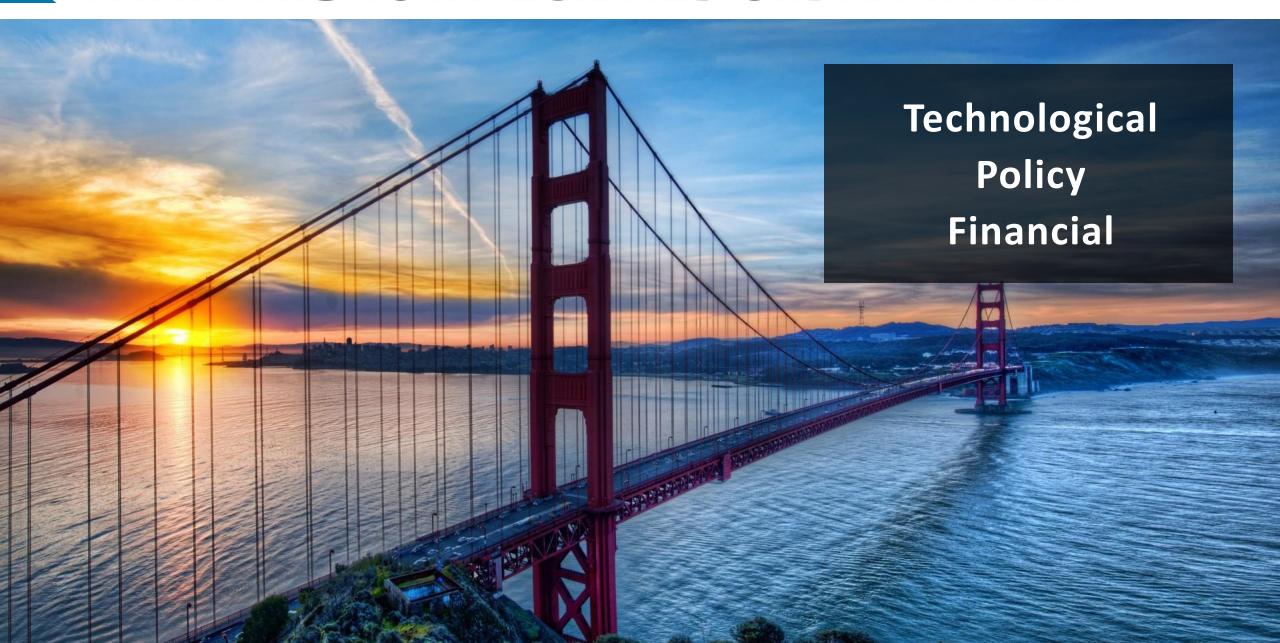




SERVICE PROVISION -> RESOURCE MANAGEMENT



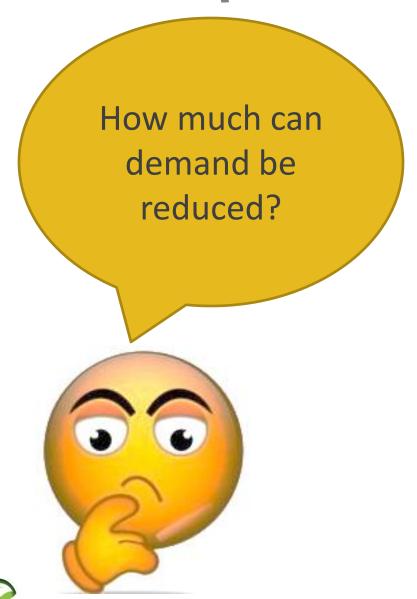
PATHWAYS TO INTEGRATED URBAN WATER



PATHWAYS TO INTEGRATED URBAN WATER



MANY QUESTIONS



MANY QUESTIONS

How much can demand be reduced?

Most effective strategies to implement in my area?





MANY QUESTIONS

How much can demand be reduced?

Most effective strategies to implement in my area?

Resilient strategies under alt. growth patterns or climate change?



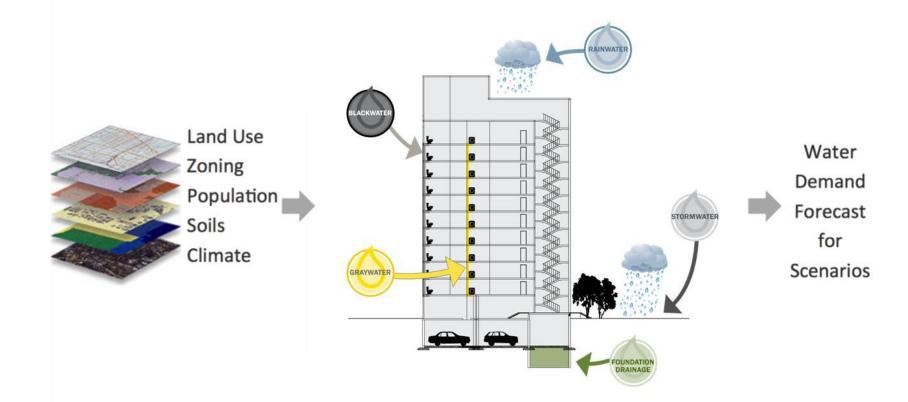






INTEGRATED URBAN WATER MODEL (IUWM)

To forecast urban water demand and project potential savings from conservation and use of alternative water sources over varying climatic conditions and land uses.





DEMAND REDUCTION STRATEGIES



Indoor and
Outdoor
Conservation



Graywater Reuse



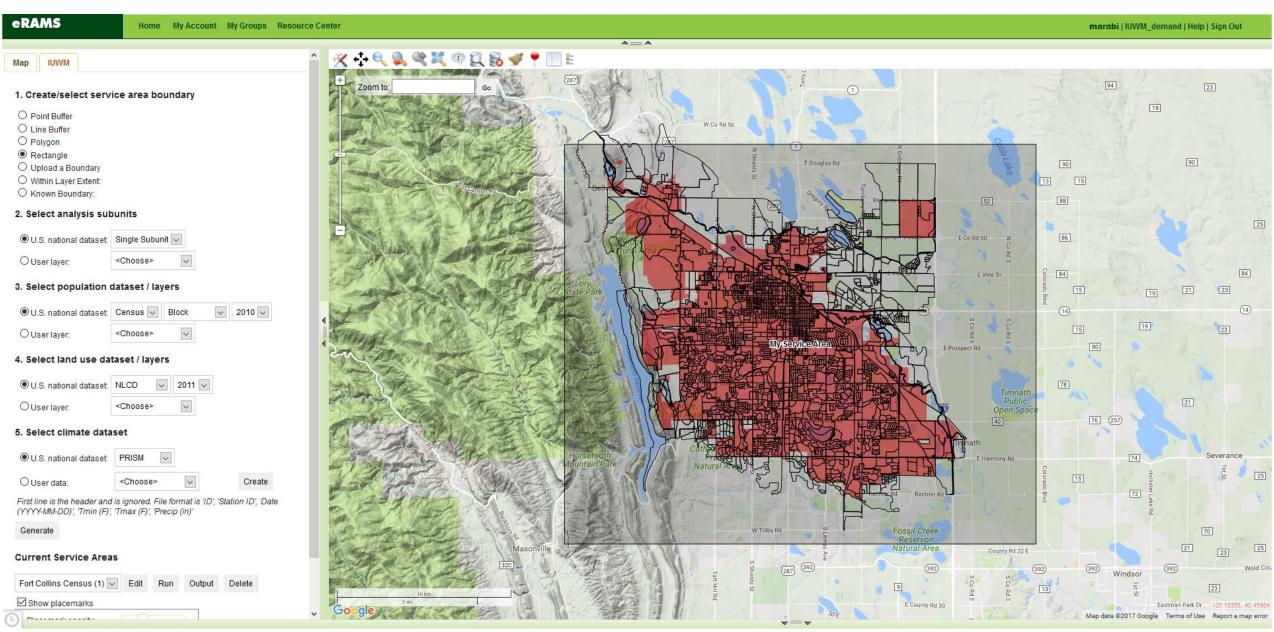
Stormwater Use



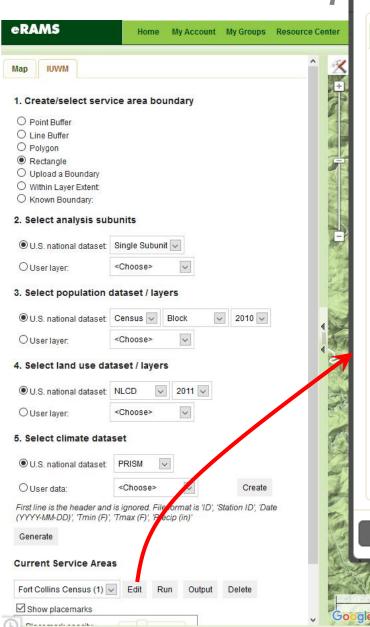
Effluent Reuse

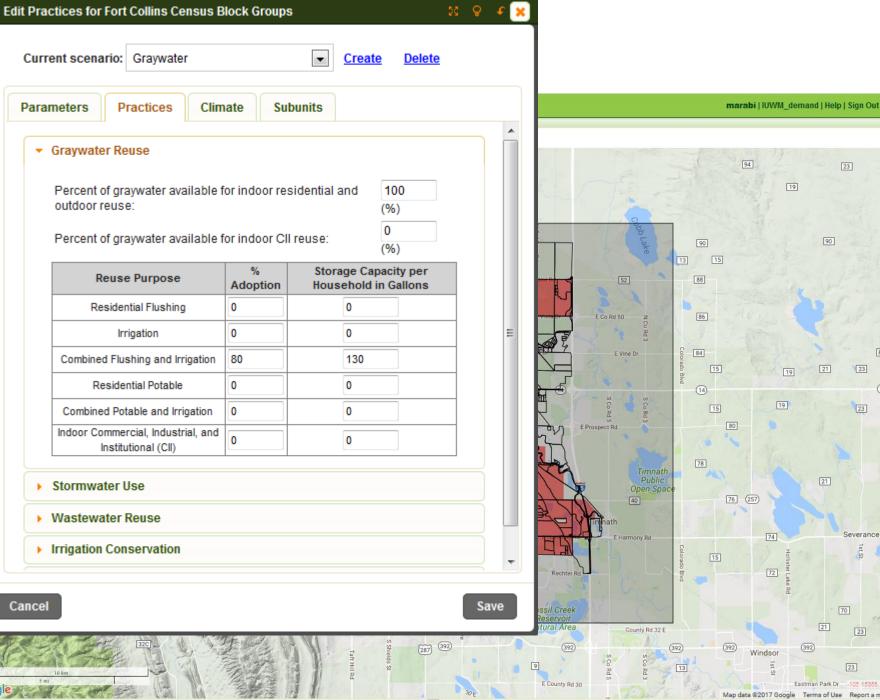


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84

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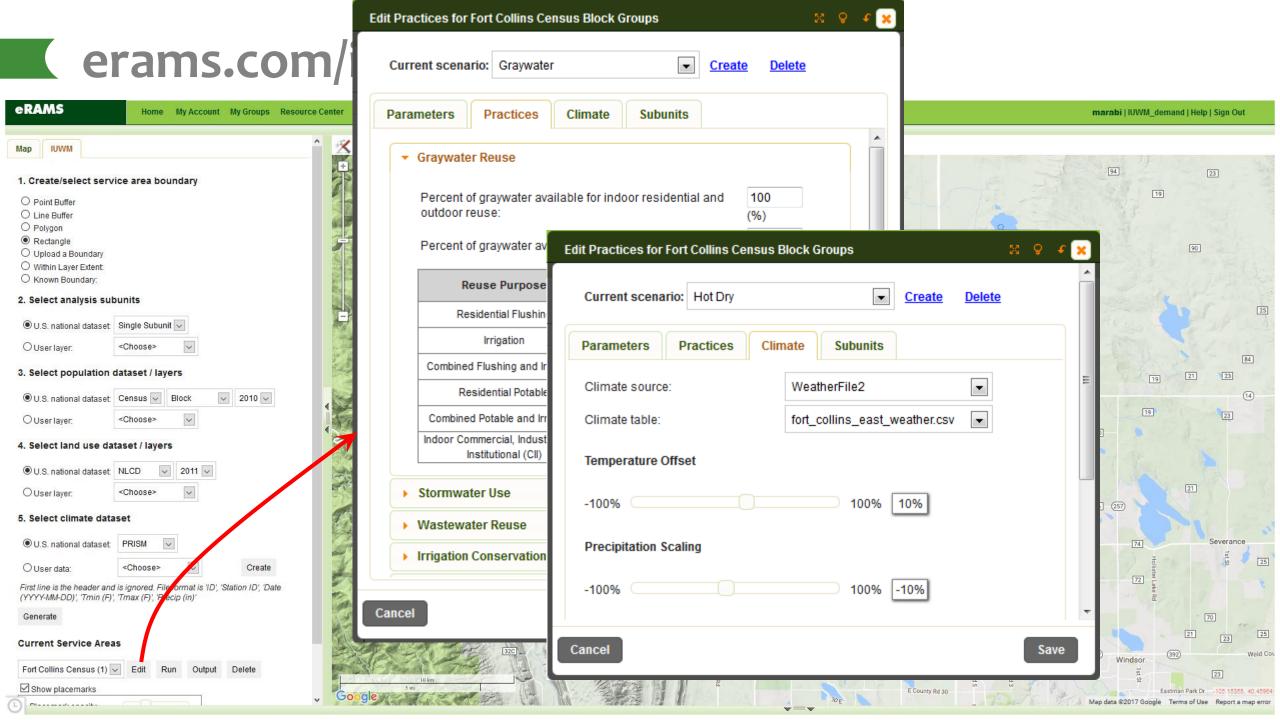
Severance

25

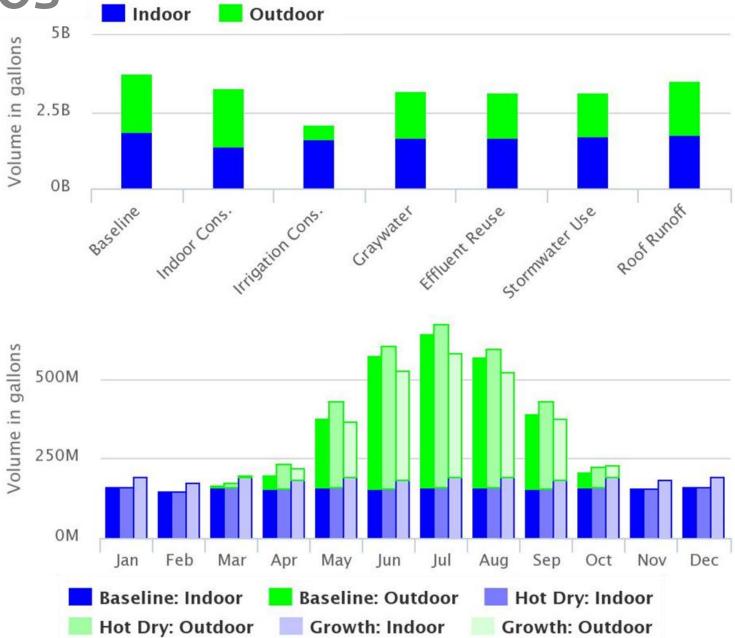
Weld Co

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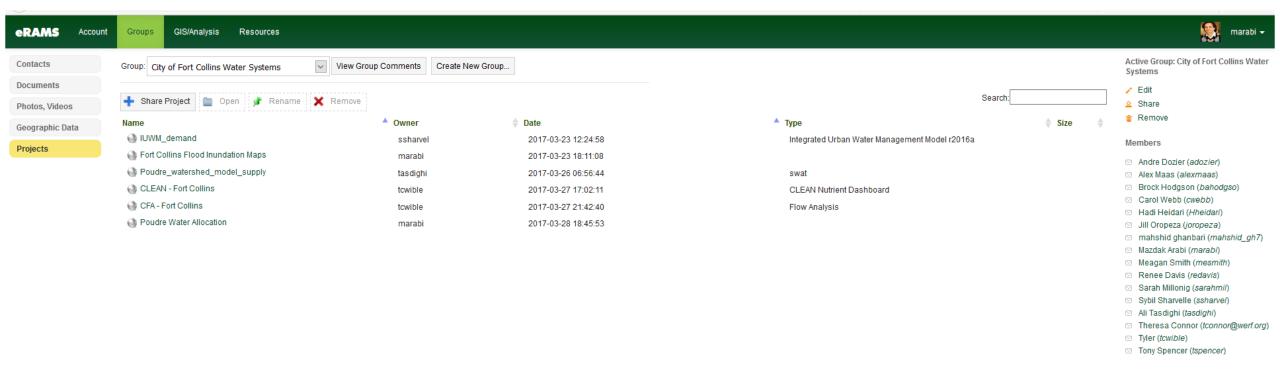


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Thank you.

- Contact
- 970.491.3016
- owsi@colostate.edu
- owsi.colostate.edu



Connecting world class research with real world water challenges

Urban Water

Systems Integrating management of water systems with urban planning

Water for Agriculture

Sustaining agricultural production in a changing world

Water and Energy Exploring tradeoffs among interconnected water and energy

Ecosystem Services Improving physical, chemical, and biological integrity of water systems

