

Webinar 1: Introduction to Land Use & Water Integration in the Wasatch Front

October 2, 2020

Webinar 2: Water Efficient Landscape Regulations and Incorporating Water Into Comprehensive Plans

October 9, 2020



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Webinar 1: Introduction to

Video recording will
be available next
week

October 2, 2020

Webinar 2: Water Efficient Landscape Regulations and Incorporating Water Into Comprehensive Plans

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Outline for Today

1. Poll questions
2. Landscape irrigation policy and planning
3. Incorporating water in comprehensive plans
4. Poll questions
5. Q&A

Acknowledging
support and partners
for today's webinar

Hank and Pat Hemingway



<https://jordanrivercommission.com/>

Background Information

- Utah is a fast growing state with limited water supplies, so using water resources efficiently is important for smart growth
- Historic disconnect between land use development decisions and water-supply decisions
- The state's recently released Regional Water Conservation Goals sets a 2030 goal of reducing water use by between 11 and 20% along the Wasatch Front.
- Integrating water and land use planning not only helps with water efficiency, but comes at the direction of local decision-makers to help reflect their community values, culture, priorities, and long-term vision.

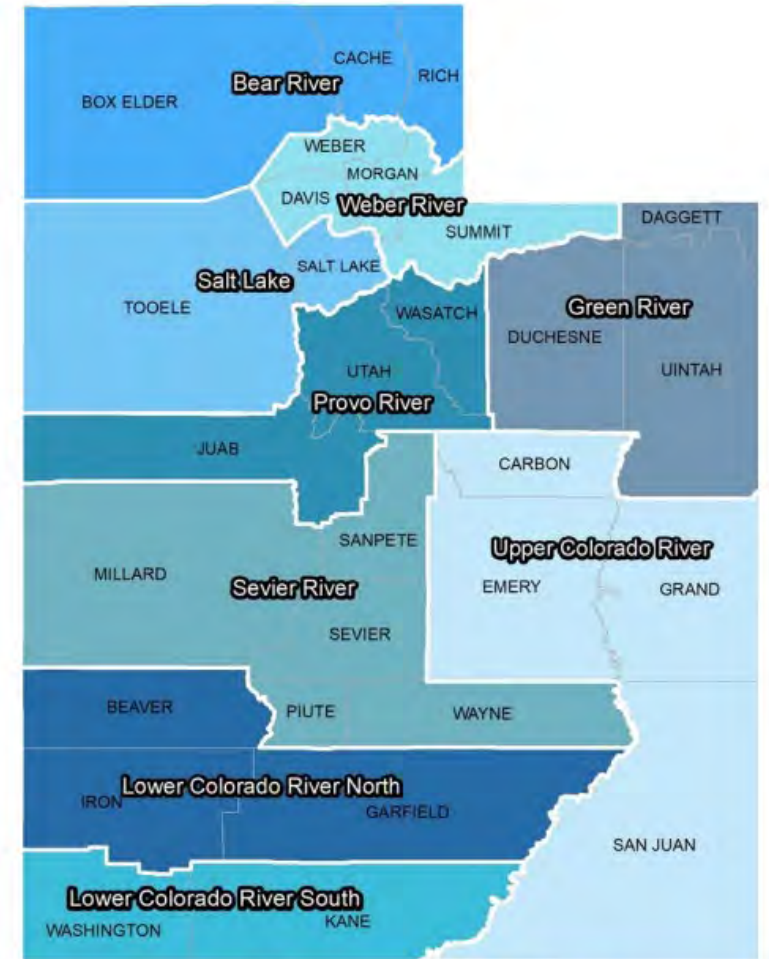


Figure 3-1: M&I Water Conservation Regions

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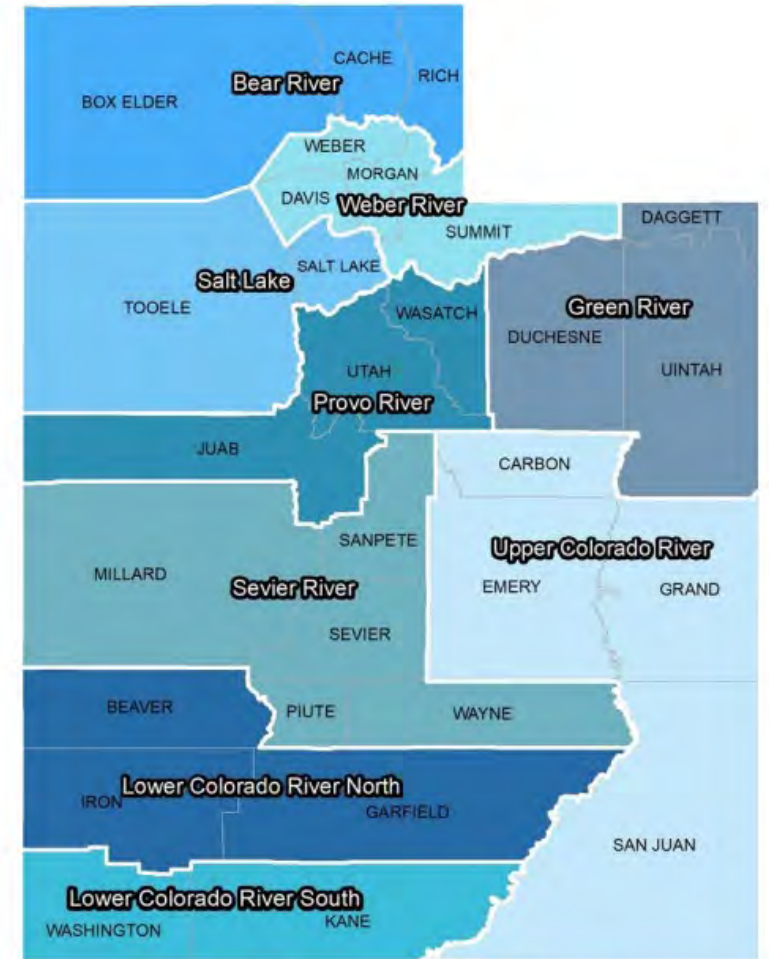


Figure 3-1: M&I Water Conservation Regions

Speakers for today

Joanna Endter-Wada

Utah State University



Erin Rugland

Babbitt Center for Land and Water Policy



Before we dive in, a
couple polling
questions for you all!

Joanna Endter-Wada

Utah State University





BABBITT CENTER

Incorporating Water into Comprehensive Planning

Erin Rugland
Babbitt Center for Land and Water Policy



Incorporating Water into Comprehensive Planning

A Manual for Land Use Planners in the Colorado River Basin



<http://bit.ly/water-in-comp-plans>

Babbitt Center & Our Work

- Research
 - Establish and evaluate best practices for linking land and water management
- Technology Innovation
 - Advance development and adoption of adaptive management approaches to address connected land and water management challenges
- Partnerships
 - Develop and improve technical assistance efforts
- Education & Training
 - Improve mechanisms for identification and dissemination of best practices





Why Is Land Important When Looking At Water Scarcity?

- Land use decisions are made every day that shape our water future
 - Development influences water demand
 - Need to plan for development with water constraints in mind
- Coordination of land and water use decisions is critical if we are to meet the current and future water needs of our people, economy, and environment

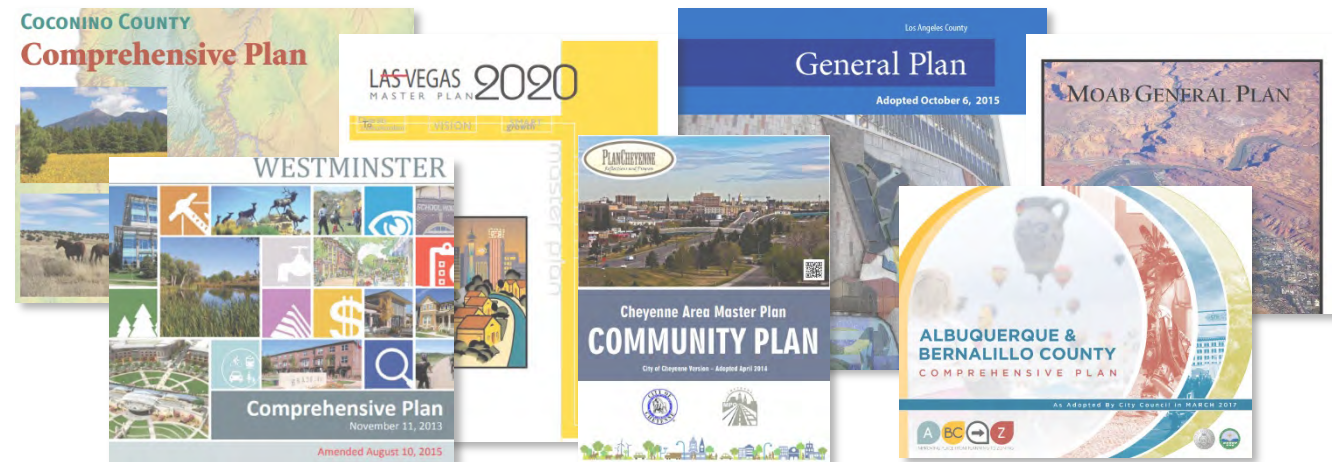


Why Integrate Water and Land Use Planning?

1. Land use planning and development approval influence water use initially
 - a) Build water smart from the start
2. Long-range planning and development approval processes are two important points of collaboration
 - a) Meaningful input from water providers to land use planners at these stages make all the difference
3. All water providers can collaborate with land use authorities
 - a) Size or capacity are not automatically inhibiting factors to collaboration
4. Value of technical assistance & tools
 - a) The more resources practitioners have to work with, the better

Why Comprehensive Planning?

- Foundational to all other land use and development efforts
- An avenue for coordination of goals among plans & departments
- Public engagement
 - Where does your water come from?
 - Comp plans are more accessible to the public than water resources plans



Water in Utah Plans

[illegible]



Planning Process



Coordinate a cross-departmental team to share data, review existing plans, and inform the process.



Understand water resources data, scenarios, opportunities, and risks in the present and future.



Plan for land and water integration and establish metrics to track progress toward goals.



Act to implement the comprehensive plan and its water-related goals.

Planning Process



Coordinate a cross-departmental team to share data, review existing plans, and inform the process.



What do I include?

Water Management	Future Projections	Water Efficient Land Use
Existing Water Supplies & Availability	Projected Population & Economic Change	Collaboration for Land/Water
Water Use/Demand	Projected Development & Land Use Change	"Show Me the Water" Requirements
Water Financing	Water-Related Hazard Mitigation	Development Process & Evaluation
General Water Conservation Programs	Forecasting Water Supply/Demand	Urban Form & Zoning Regulations
Water & Wastewater Infrastructure	Water Supply Diversification	Landscaping/Irrigation Policies
Water Quality	Water Equity	Building/Plumbing Policies
		Stormwater Management
		Water for Ecosystem Functions

Guiding Questions

Water Management

Where does our water come from?

How much water do we have?

How much water do various land use sectors use?

How do we pay for water system repairs and improvements?

How is water used or conserved?

Is our water system sufficient, safe, and reliable?



Topics

Water Management

Existing Water Supplies & Availability

Water Use/Demand

Water Financing

General Water Conservation Programs

Water & Wastewater Infrastructure

Water Quality

Guiding Questions

Future Projections

What is our population, housing, and employment growth?

What are our development expectations?

What water challenges does a changing climate pose?

How much water will we need?

Do current water supplies line up with projected demand?

How can water and land use be equitably managed?



Topics

Future Projections

Projected Population & Economic Change

Projected Development & Land Use Change

Water-Related Hazard Mitigation

Forecasting Water Supply/Demand

Water Supply Diversification

Water Equity

Guiding Questions

Water Efficient Land Use

Are we collaborating
on water issues?

How does our development
process consider water?

How does our urban form
impact our water use?

Is water used
efficiently outdoors?

Is water used
efficiently indoors?

How does land use
impact our watersheds?



Topics

Water Efficient Land Use

Collaboration for
Land/Water

“Show Me the Water”
Requirements

Development Process
& Evaluation

Urban Form &
Zoning Regulations

Landscaping/Irrigation
Policies

Building/Plumbing
Policies

Stormwater Management

Water for Ecosystem
Functions



Plan Structure: The Role of a Water Element

- Water elements provide a dedicated section to tackle all things water
 - A narrative context-setting section is also appropriate in lieu of a water element, if more appropriate for your plan structure
- Water should be included in other elements/policies as appropriate
 - *For example:*
 - "Goal #2: As development proposals are presented, evaluate such proposals for wetland preservation, fiscal impacts, and quality that reflect the ordinances and policies of Brigham City." (Brigham City, 2017 Plan, Annexation Section, p. 3)
 - "Develop a specific strategy for preserving waterways. Public participation and regulatory support can contribute greatly to the restoration and maintenance of local waterways, which includes the Ogden and Weber Rivers, as well their associated tributaries. Consideration should also be given to major canals and other built waterways. Land management practices and regulations along these waterways should be viewed as opportunities for restoration, education, recreation, open space preservation and the enrichment of neighborhoods and business districts." (Ogden, 2017 Plan, p. 90-91)

Conclusion

- The comprehensive plan provides a mechanism to reinforce your community's water management strategies and serves as a platform to launch new water-related policies, goals, and objectives
 - Tie water to urban form, the future land use map, and major policy goals, to make better-informed decisions about the water implications of future development
- The plan should provide an overview of the community's water management, projections for future water supply and demand, and ways to integrate water into land use processes, standards, and decisions
- **Incorporating water into comprehensive planning enables a local government to envision a sustainable water future with community buy-in**



For More Information:

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<http://bit.ly/water-in-comp-plans>



Incorporating Water into Comprehensive Planning

A Manual for Land Use Planners in the Colorado River Basin



A few more polling
questions....

Questions?



Thank you!

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