UTAH
Growing Water Smart
integrating water and land use planning



UTAH GROWING WATER SMART
January 2024
Workshop Headquarters (HQ)

HQ Contents

Click on the link in the Table of Contents to take you to the Workshop HQ section you need rather than scrolling through the document.

1. **Welcome from the Project Team**
2. **Workshop Agenda** *(printed copies will be provided in workshop packets)*
3. **Logistics** *(you may choose to print a copy to reference during travel)*
4. **Workshop Preparation & Learning**
5. **Team Documents**
6. **Technical Resources**
7. **Resources From Workshop**
8. **Facilitator Contact Information**
9. **Participant List**

UTAH
Growing Water Smart
integrating water and land use planning



WELCOME, SOUTHWEST UTAH GROWING WATER SMART WORKSHOP PARTICIPANTS!

The Southwest Utah Growing Water Smart Project Team is looking forward to working with you over 2.5 days in Cedar City. There are eight participating community teams from the cities of Hurricane, Ivins, La Verkin, Santa Clara, St. George, Toquerville, and Washington along with Washington County. Your teams bring together water utility staff, land planners, economic development personnel, elected officials, and other key community members to develop action plans which will facilitate coordination between land use and water planning and support water-smart growth.

Each team will be led through a series of work sessions by two to three expert facilitators with extensive water and land use planning experience. At the end of the workshop on Wednesday afternoon, you will have developed a detailed 12-month action plan with specific tasks for achieving objectives you, as a team, identify. Our team facilitates your discussions, *but it is up to you to identify your own community water resiliency goals and make plans for communicating and achieving them.*

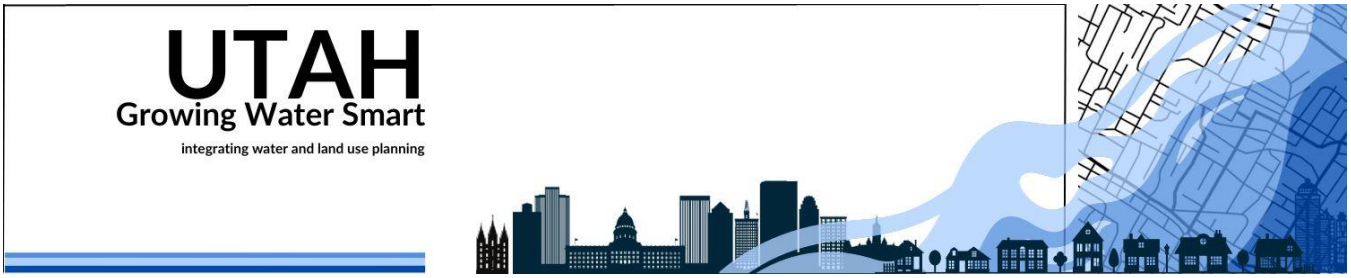
Our Project Team includes individuals from Utah State University (Center for Water Efficient Landscaping), the Utah Division of Water Resources, the Lincoln Institute of Land Policy, and Western Resource Advocates. We have partnered with, and received funding from, the Utah State University Extension Water Initiative, Washington County Water Conservancy District, and the Utah Division of Water Resources. Biographies below provide additional information on who we are.

Finally, we want to emphasize the importance of coming fully committed to participate in the entire workshop. We know you are all incredibly busy and taking the time to join this workshop is not easy, but we cannot overstate the value of your presence, the importance of your engagement the entire time, and our appreciation of your efforts. Your fellow community team members and regional neighbors will also thank you as it will be more productive if everyone is contributing!

Thank you for your commitment to helping your community and the Southwest Utah region Grow Water Smart!

Sincerely,

The Southwest Utah Growing Water Smart Project Team



WORKSHOP AGENDA

Access the full workshop agenda **here.**

Agenda at-a-glance:

Monday, January 8th

11:30 AM | Workshop Check-In Begins

12:00 PM – 1:00 PM | Lunch Served

1:00 PM – 5:30 PM | Workshop Day 1 Sessions

5:30 – 7:00 PM | Social Hour & Banquet Dinner (team photos will be taken)

Tuesday, January 9th

8:30 AM – 12 PM | Workshop Day 2 AM Sessions

12:00 PM – 1:00 PM | Lunch

1:00 PM – 5:30 PM | Workshop Day 2 PM Sessions

5:30 – 7:00 PM | Social Hour & Dinner w/Activities

Wednesday, January 10th

8:30 AM – 12:00 PM | Workshop Day 3 AM Sessions

12:00 PM – 1:00 PM | Lunch

1:00 PM – 3:00 PM | Workshop Day 3 PM Sessions

LOGISTICS

Access the workshop logistics document **here**.

WORKSHOP PREPARATION & LEARNING

The Southwest Utah Growing Water Smart Implementation Team has prepared a workshop Guidebook and compiled videos and handouts on integrated water and land use strategies for Utah which include some resources shared with us by the Colorado Growing Water Smart Team.

***Utah Growing Water Smart: The Water-Land Use Integration Guidebook for Southwestern Utah* (January 2024 Edition).** (Hard copies will be provided at the workshop). This resource guidebook includes toolboxes and local case studies addressing planning and goal setting, water smart land use and development policies, watershed resilience and water smart infrastructure, and water conservation and efficiency tools. It also includes an extensive list of additional resources for your reference.

Other workshop materials:

UTAH
Growing Water Smart
integrating water and land use planning



WORKSHOP MATERIALS

Access the workshop orientation presentation **here**.

DAY **ONE** PREPARATION

Title	Length	Description
Growing Water Smart: Securing our Water Future	Video 5:21 minutes long	The Lincoln Institute of Land Policy interviewed leaders in the Growing Water Smart program to highlight the urgency and the opportunity of integrating water and land use planning, and how the Growing Water Smart workshop can help communities achieve their water resiliency goals.
Utah Makes Plans for a Water-Smart Future	Article 1-2 minutes (to read)	Read this short article about the Utah Growing Water Smart program in *Land Lines,* published by the Lincoln Institute of Land Policy.
National Groups Join Forces to Urge Better Integration of Land and Water Planning	Article 1-2 minutes (to read)	Read this short article about the Findings Statement and Call to Action from the conference "Connecting Land and Water for Healthy Communities," issued by four national land and water organizations.
Work Session Preparation		
Session #1: Setting a Workshop Intention	Prepare thoughts on the following questions for your first team work session: ● What questions do you have about linking water and land use in your community? ● What are the top opportunities or concerns you hope to discuss? ● What will make you feel like this workshop was a valuable use of your time? What do you want to leave the workshop with?	

DAY **TWO** PREPARATION

Work Session Preparation



Session #2: How Are We Growing?	Prepare thoughts on the following questions for your second team work session based on your Community Self-Assessment: • What are our growth, development, and land use change trends? • What problems do we face at the intersection of land change and water resources? • Which of our plans address land use and how can we integrate water considerations? • How does our land use code address water and how well does it accomplish its goals? • What water-related issues are not addressed in our land use code or policy? • What opportunities exist to manage land for water resiliency and watershed health?
Session #3: How Can We Grow Water Smart?	Prepare thoughts on the following questions for your third team work session: • What are our current water conditions and water supply/demand trends? • What challenges do we face related to drought and other sources of water insecurity? • What efforts are we undertaking to protect and sustain our existing water resources? • What water conservation and efficiency programs and policies are we implementing? • Why do we want or need to become water smart? • What are the best opportunities and strategies that will help us become more water smart and what goals/outcomes/strategies does the team want to pursue?
Session #4: Making the Case for Water Smart Change	Prepare thoughts on the following questions for your fourth work session: • Why do we need to make the proposed water smart change? • How is water smart change connected to community values? • How does water smart change align with other community initiatives? • Who do we need to collaborate with both internally and externally to support this change? • What is our communication strategy for supporting water smart change?

UTAH
Growing Water Smart
integrating water and land use planning



OPTIONAL LEARNING		
Integrating Water into General Plans		
Incorporating Water Into Comprehensive Planning	Report (70 pages)	This report was developed by the Lincoln Institute of Land Policy, to help communities interested in incorporating water into long-range planning efforts. The report includes specific examples, case studies, and lessons learned from around the West.
Methodology: How To Do It	Video (26 minutes long)	Erin Rugland, formerly with the Lincoln Institute of Land Policy, shares her research and reviews the best practices framework for including water in your comprehensive plan. This includes how to be compliant with Utah's S.B. 110.
Planning for the Future of the Washington County Water Conservancy District	Article (3 pages)	An interview with Zach Renstrom, General Manager of the Washington County Water Conservancy District, about key initiatives of the District including new resource development, a regional reuse system, and additional water conservation measures.
Water as Part of a General Plan	Primer (2 pages)	Utah Division of Water Resources primer on integrating water considerations into land planning.
General Plan Requirements	Guide (3 pages)	Guide for use by city planners, planning commissioners, and/or community development personnel across the state of Utah as they are developing a new General Plan or comprehensive General Plan amendment.
Water Smart Development Policies		
Water Offset Policies for Water-Neutral Community Growth: A Literature Review and Case Study Compilation	Report (57 pages)	This report by the Alliance for Water Efficiency reviewed 13 communities throughout the United States that currently have a water demand offset policy or water neutral growth policy in place.
Net Blue: Supporting Water Neutral Community Growth	Webinar (81 minutes long)	This webinar by the Alliance for Water Efficiency provides an overview of the Net Blue ordinance worksheet, the methodology for calculating water offsets, and community outreach to a diverse group of cities throughout the United States.
3 Cities Face a Climate Dilemma: To Build or Not Build Homes in Risky Places	Radio News Report (4 minutes)	As climate-fueled challenges such as drought, flood, and fire increase, a number of local governments are asking a basic question: Are there some places where people shouldn't build homes?
Water Smart Infrastructure		



Green Infrastructure	Webinar (52 minutes)	This USU Center for Water Efficient Landscaping webinar is presented by Jeffrey Adams and Roslynn Brain who share the status of Utah's stormwater codes, examples of green infrastructure ordinances in other Western states, and case studies of green infrastructure in Moab Utah.
Gray Water in Utah	Webinar (45 minutes)	This USU Center for Water Efficient Landscaping webinar is presented by Roslynn Brain and Jeffrey Adams who discuss what gray water is, what changes have taken place with Utah's related codes and policies, and examples of grey water systems.
MyWaterAdvisor	Video (1:45 minutes)	Video guide to the installation of the MyWaterAdvisor smartphone application for use by advanced metering infrastructure customers and utilities of Washington City, UT.
Water Conservation and Efficiency Tools		
Lessons Learned and Water Saved through Metering Irrigation Water	Webinar (46 minutes)	This USU Center for Water Efficient Landscaping webinar is presented by David Rice, Conservation Coordinator for Weber Basin Water Conservancy District, and discusses results of secondary water metering efforts for the District.
Principles of Water Wise Landscaping	Website	This USU Center for Water Efficient Landscaping describes the 7 principles of water wise landscaping, including supporting information and fact sheets.
Introduction to the Salt Lake City Turf Trade Program	Video (1:41 minutes)	An introduction to the Salt Lake City Department of Public Utilities Turf Trade Program developed in cooperation with USU's Center for Water Efficient Landscaping and the Turfgrass Water Conservation Alliance.

UTAH
Growing Water Smart
integrating water and land use planning



TEAM DOCUMENTS

TEAM	TEAM SESSION NOTES	COMMUNITY SELF-ASSESSMENT	TEAM BOX FOLDER
City of Hurricane	Team Discussion Notes **Team Action Plan**	LINK	Folder
Ivins City	Team Discussion Notes **Team Action Plan**	LINK	Folder
La Verkin City	Team Discussion Notes **Team Action Plan**	LINK	Folder
City of Santa Clara	Team Discussion Notes **Team Action Plan**	LINK	Folder
City of St. George	Team Discussion Notes **Team Action Plan**	LINK	Folder
Toquerville City	Team Discussion Notes **Team Action Plan**	LINK	Folder
Washington City	Team Discussion Notes **Team Action Plan**	LINK	Folder
Washington County	Team Discussion Notes **Team Action Plan**	LINK	Folder
Facilitator Folder			Folder

UTAH
Growing Water Smart
integrating water and land use planning



TECHNICAL RESOURCES

These selected resources from Utah Growing Water Smart partners offer excellent guidance on specific tools that you may want to explore more deeply as your team considers and pursues various strategic actions.

1. Center for Water Efficient Landscaping, Utah State University Extension: This website contains research and outreach materials, including a webinar series, related to urban landscape water use efficiency and conservation.
2. Integrating Water Into Comprehensive Plans: Best practices on development of a comprehensive plan and planning process to ensure sufficient water in the years ahead.
3. Integrating Water Efficiency Into Land Use Planning in the Interior West: A Guidebook for Local Planners: Comprehensive review of strategies and tools for integrating water and land use.
4. Integrating Land Use and Water Management: Planning and Practice: Introduces readers to best management practices that enable local governments and water providers to integrate the two systems.
5. Growing Water Smart Metrics Report: Guidance developed in Colorado on how to measure progress on water/land use integration. This is a useful resource with transferable information.
6. The Hardest Working River in the West: A StoryMap Exploring the Colorado River Through Data.

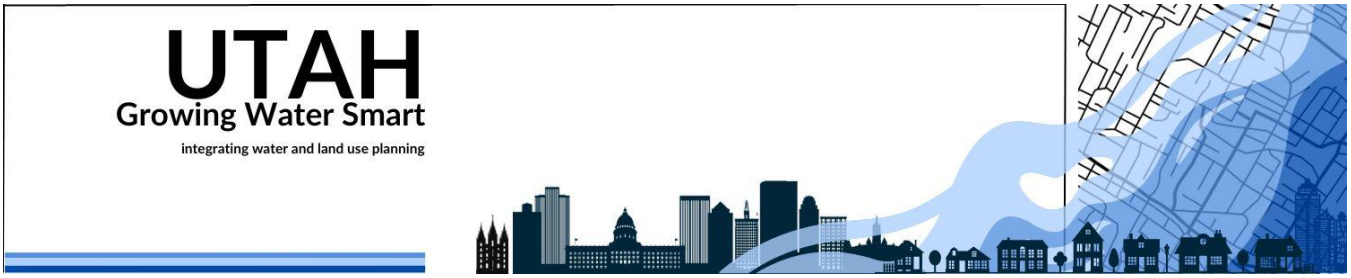
See the resources section at the end of the workshop Guidebook and ask your facilitators for recommendations on where to look for specific resources relevant to strategies your team is exploring.

RESOURCES FROM WORKSHOP

TEAM WORK SESSION INSTRUCTIONS

PRESENTATIONS

Day One **January 8, 2024**	**Welcome and Introductions** - Joanna Endter-Wada (presentation)

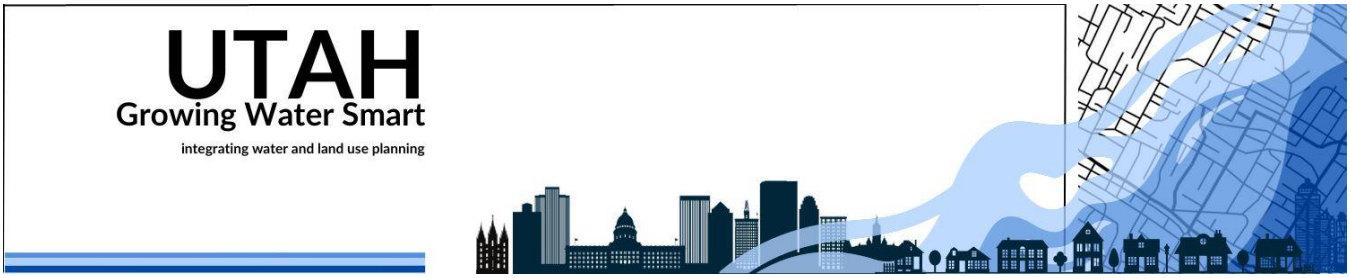


	- Welcome Video by Governor Cox **Planning for Water Resiliency in the Virgin River Basin** - Candice Hasenyager (presentation) - Zach Renstrom (presentation) **Integrating Land and Water for Healthy Communities** - Joanna Endter-Wada and Kelly Kopp (presentation) **Questions submitted by participants in Peer-to-Peer Exchange**: - "I want to ask my peers about…"
Day Two **January 9, 2024**	Panel: Needed Conversations for Integrated Land and Water Planning - Introductions - Stacy Young - Ryan Coates (presentation) - Karry Rathje (presentation) Shared Vision and Mutual Cooperation - Joanna Endter-Wada (presentation) - Article referenced in presentation: *Hydrologic Interdependencies and Human Cooperation: The Process of Adapting to Droughts*, by Joanna Endter-Wada, Theresa Selfa and Lisa W. Welsh
Day Three **January 10, 2024**	Resources for Getting to Action - Rick Webster and Hailey Kirlin (presentation) - Doug Bennett (presentation) - Kelly Kopp (presentation)

FACILITATOR CONTACT INFORMATION

Learn more about your facilitators and additional subject matter experts **here.**

Name	Role	Cell Phone #	Email
Joanna Endter-Wada*	**Master Facilitator**	**435-757-2781**	**joanna.endter-wada@usu.edu**
Kelly Kopp*	**Facilitator**	**435-757-6650**	**kelly.kopp@usu.edu**



Kristen Keener Busby	Facilitator	602-769-0886	kbusby@lincolninst.edu
Lindsay Rogers	Facilitator	415-259-7978	lindsay.rogers@westernresources.org
Chelsea Benjamin	Facilitator	239-849-3023	chelsea.benjamin@westernresources.org
John Berggren	Facilitator	801-580-8172	john.berggren@westernresources.org
Victoria Arling	Facilitator	303-253-2621	va@waternow.org
Gretel Follingstad	Facilitator	505-603-5402	gretel.follingstad@colorado.edu
Candace Schaible	Facilitator	385-622-3323	cschaible@utah.gov
Ben Scow	Co-Facilitator	435-773-8182	benjamin.scow@usu.edu
Lisa Welsh	Co-Facilitator	979-575-0007	lisa.welsh@usu.edu
Josh Zimmerman	Co-Facilitator	801-946-7168	joshzimmerman@utah.gov
Heidi King	Co-Facilitator	385-522-3701	hking@utah.gov
Hailey Kirlin	Co-Facilitator	206-465-9324	hkirlin@utah.gov
Rob Terry	Co-Facilitator	801-530-6392	robterry@utah.gov
Ivy Thomson	Co-Facilitator	801-726-9184	ivyharveythomson@gmail.com
Anna Neumann	Co-Facilitator	801-721-1970	anna.w.neumann@gmail.com

* Please reach out to Joanna Endter-Wada or Kelly Kopp if you have questions.

PARTICIPANT LIST

Access the complete list of workshop participants **here**.