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System Group Meeting #3

April 29 and 30, 2014

Agenda and Outcomes

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Vision and Goals

- Draft Vision Statement
- Top 5 Goals

Revised Existing Conditions and Future Trend lines

- Feedback, May 2 polling closes

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Vision and Goals

Vision

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What is a VISION?

Vision is the destination, not the path

Vision is the art of seeing what is invisible to others

-Johnathan Swift

It is a terrible thing to see and have no vision

-Helen Keller

Vision without execution is merely hallucination

-*Albert Einstein*

Goals

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What is a Goal?

Goals are Dreams with Deadlines

- *Warren Buffet*

A Goal without a Plan is just a Wish

Goals Are:

- Specific
- Measureable
- Attainable
- Realistic
- Time Based

Vision and Goals

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Vision	Goals
Abstract	Tangible
Guideline	Milestone
Strategy	Activity
Inspirational	Actionable

Vision and Goals

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Deep Skiing Thoughts, by Jack Handy

Here's a tip: instead of using an avalanche beacon when skiing in the backcountry, just put a dog treat in your jacket. That way, when the search and rescue dog finds your body, he can have a little treat.

Vision Exercise

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- Write a headline of a future news story (25 years or 40 years in the future) that tells the story of the success that has been achieved for this System.

- What words do you hope your grandchildren will use to describe this System in the future?

- What common values exist across all perspectives and interests toward this System, and how do want to see those values reflected in this system in the future?

Goal Polling: Environment

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60 System Group Members
27 Participated in Poll

Rank 1 (tie)—(Goal 1) Provide long-term, high quality culinary water for the growing population. (Goal 2) Maintain and improve water quality and watershed health.

Rank 2—(Goal 3) Maintain and preserve natural character (open space, viewshed, experience)

Rank 3—(Goal 4) Protect high-priority lands (e.g., for watershed, open space, habitat).

Rank 4—(Goal 5) Conserve, protect, and enhance habitat, plants and wildlife.

Rank 5—(Goal 6) Restore degraded areas (e.g., revegetate user-created trails, stabilize stream banks, eradicate invasive weeds).

Goal Polling: Recreation

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48 System Group Members

20 Participated in Poll

Rank 1—(Goal 1) Promote public health, environmental awareness, and passion for outdoors by connecting population (especially youth) with outdoor recreation.

Rank 2—(Goal 9) Improve transportation infrastructure and performance to facilitate recreational access to a wide-variety of recreation opportunities (e.g., parking, mass-transit, ride sharing, etc.).

Rank 3—(Goal 8) Manage growth in demand for recreation by identifying areas where higher levels of recreation use could be acceptable and facilitating increased visitation in these areas (e.g., ski resorts during the summer).

Rank 4– (Goal 6) Develop closer interagency coordination to complete recreation projects (e.g., multijurisdictional recreation management strategies and trail networks).

Rank 5—(Goal 7) Provide a range of opportunities for high quality recreation experiences supporting a variety of activities.

Goal Polling: Transportation

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47 System Group Members
14 Participated in Poll

Rank 1—(Goal 1) Provide alternate transportation choices for both residents and visitors.

Rank 2—(Goal 2) Ensure the transportation experience is reliable and facilitates a positive experience.

Rank 3—(Goal 3) Reduce as many safety hazards as possible.

Rank 4—(Goal 7) Transportation solutions should be planned, developed and designed with minimal environmental impacts to the intrinsic values.

Rank 5—(Goal 6) Better manage parking at all high use destinations in the study area.

Goal Polling: Economy

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60 System Group Members
30 Participated in Poll

Rank 1—(Goal 1) Increase summer tourism visitation and spending.

Rank 2—(Goal 2) Enhance the quality of the visitor experience in the Central Wasatch by ensuring natural and scenic resource protection occurs in tandem with economic growth.

Rank 3—(Goal 5) Provide convenient non-auto access and use options for visitors to recreation opportunities and other services.

Rank 4—(Goal 6) Develop more efficient land use patterns in the urbanized areas—higher density development with easy access via transit.

Rank 5—(Goal 3) Respect private property rights while protecting high-priority lands such as watershed, views, recreation, and habitat.

Vision and Goals

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The Vision of the System Group is…

5 goals to reach this vision:

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Existing Conditions

Report Status

What has Changed?

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- Additions/Revisions from Sub-Groups
  - Water
  - Ecosystems
  - Land
  - Climate Change

- Revisions from comments received at System Group Meeting #2

Comment from Group	Owner	How Addressed
Existing Conditions		
Set up sub-committees	Andrea	Done (Stacey, Reid, Elisa to lead). Meetings and coordination to obtain input.
Add Safe Drinking Water discussion to EC	Stacey	Done – discussion added
Add discussion on dewatering of LCC	Stacey Reid	Done – discussion added to ecosystems and water
Contact Provo River Council and Weber River Watershed council to find information on Wasatch back	Stacey	Done – contacted Kari Lundeen and Jake Weber. Added discussion on Provo watershed
Add USFS watershed condition framework	Stacey	Done – discussion added
Add discussion surplus water constrained by contract	Stacey	Done – discussion added
Fix summary conclusion and discussion on surplus water	Stacey	Done – summary conclusions modified
Fix summary conclusion on wetlands steady	Reid	Done – noted uncertainty
Fix summary conclusion on "functional habitat"	Reid	Done – noted uncertainty
Change map title from "habitat" to "vegetative cover"	Reid	Done
Improve discussion on habitat, communities, fragmentation "need to capture habitat and how wildlife uses it"	Reid	Not done – there are no existing studies or analyses that provide conclusions on this subject. Report has been revised to note that this is important to know and that knowledge does not exist.
LANDFIRE at landscape scale, not suitable to capture riparian/wetlands	Reid	Done – noted uncertainty in location of wetlands and used buffered streams to indicate areas where wetlands most likely to occur.
Qualitative infestation feeling/assessment	Reid	Done- revised statements about weeds, disease, and insect effects on ecosystems
Change land "protection" to "management"	Elisa	Done - changed throughout as appropriate. Also renamed maps to characterize this situation.
QC land protection shapefiles	Elisa	Done- QC by land sub-group and J. Martin.
Change coloring of PCMR on land protection map	Elisa	Not done - sub-group agreed not to change (conservation easement in process)
Land protection pie chart – show land that is not protected as well	Elisa	Done
Clarify categories and acreage on open space	Elisa	Done in conjunction with Land Sub-group.
Include FCOZ in table with land protection		Not done per decision of the Land Sub-group. The decision was made to eliminate all "zoning" type acreage from the table and chart as zoning does not afford a high level of protection.
Show CERCLA sites in addition to soil ordinance	Elisa	Done - map revised and included in EC report.
Label reference features on contamination map	Elisa	Done - map revised.
Add discussion of cost to manage different types of land use	Elisa	Done - mentioned qualitatively and briefly in Future Trendlines.
Move climate change discussion up in document	Andrea	Done
Send report with more lead time	Andrea	One additional day review provided. Additional time for polling provided (1 week).

Comment from Group	Owner	How Addressed
		Interim discussion/reviews by sub-groups
Add discussion on stressors	Andrea	Done - introduced up front; Discussed in sections
Add discussion on wildfire	Andrea	Done - discussed in stressors (climate change) and sections (water, ecosystems) Some discussion added to ecosystem section. Data received on 4/16 – map not inserted because of projection issues.
How does this align with "Your Utah Your Future"? Are we using same forecasts	Andrea	Using GOPB forecasts—standard for planning. There is cross-pollination between participants in both processes.
Add discussion on disease outbreak/public health	Stacey	Done - discussion included under Safe Drinking Water Act (unknown/new contaminants/biological impacts to water)
Future Trendlines		
Add trendline for $ available for land preservation/conservation	Elisa	Not done - data has been gathered, but some in the Land Sub-group preferred not to include these details. Monies have all been allocated. Discussed qualitatively.
Add suitability where development in canyons is discussed	Elisa	Done qualitatively. This will be fleshed out in more detail in coming months
Food supply connection	Andrea	Not done - comment unclear
Ecosystem conversion w/ fire/invasive species/drought	Reid	Will be addressed – outcome unclear but mention vulnerability
Will ecosystems move higher or just be lost?	Reid	Issue is addressed – no studies the base any conclusion on.
Increased need for snowmaking (I believe this is in relation to water storage)	Stacey	Discussion re: stressors and the potential need for additional storage capacity addressed, specific relation to additional snowmaking not addressed
Development pressure on agriculture	Andrea	Done – discussed in terrestrial ecosystems
Habitat connectivity	Reid	Issue addressed
Long term wildfire impacts on water	Stacey	Done - addressed in future trendline section – wildfire's impact on water quality, quantity, ecosystems, and water treatment
Make sure using latest climate predictions from IPCC	Andrea	Done – coordinated with climate team
Warming water bodies are more difficult to treat	Stacey	Discussed climate change impacts on surface water temperature; discuss impact to WWTP from lower streamflows.
Warm air/ozone/wildfire/dust/ affects snowpack	Stacey	Not done
PRISM / Natureserve	Andrea	Relying on climate change team to guide this discussion. Added figure using PRISM data
Induced demand from transportation (stressor)	Stacey Reid	Not done – comment unclear. Is this referring to a potential outcome of connecting the resorts?

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Group Discussion on Existing Conditions Report

Existing Conditions Poll—Extended to 5/2

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Poll:

This Report accurately represents currently available information on existing environmental conditions to inform my vote on a future Idealized System.

1) Concur
2) Concur with minor point of contention
3) Disagree with outcome but consent to move forward
4) Dissent
5) Waive or Abstain

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Future Trends

Pop. Growth Trend 2040

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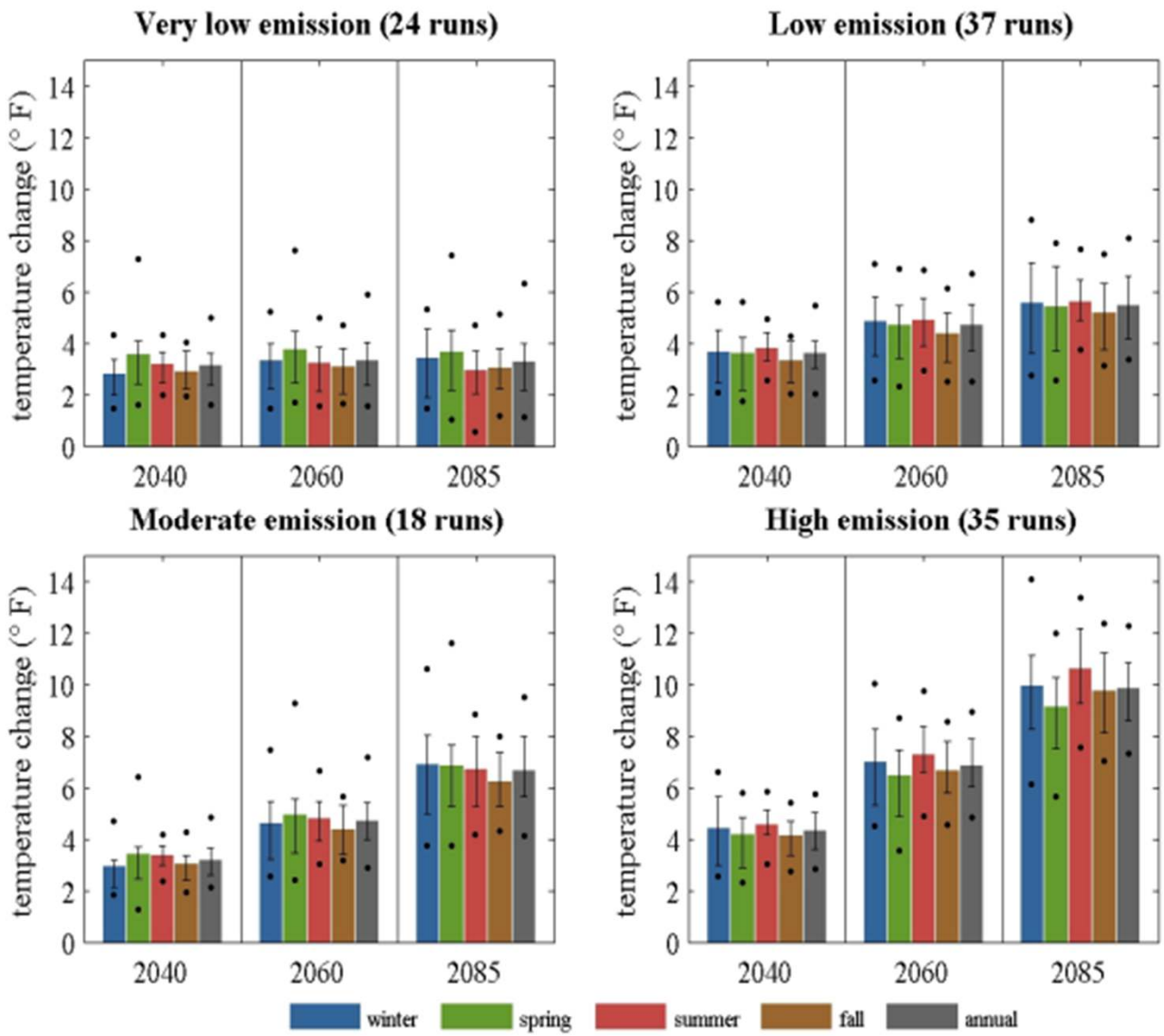
- Salt Lake County: 1.08M to 1.51M (increase 42%)
- Summit County: 38K to 71K (increase 86 %)
- Wasatch County 26K to 59K (increase 123%)

Land Use Trend 2040

- Salt Lake County: 231K new housing units
- Summit County: 13K new housing units
- Wasatch County: 13K new housing units

Climate Change Trends

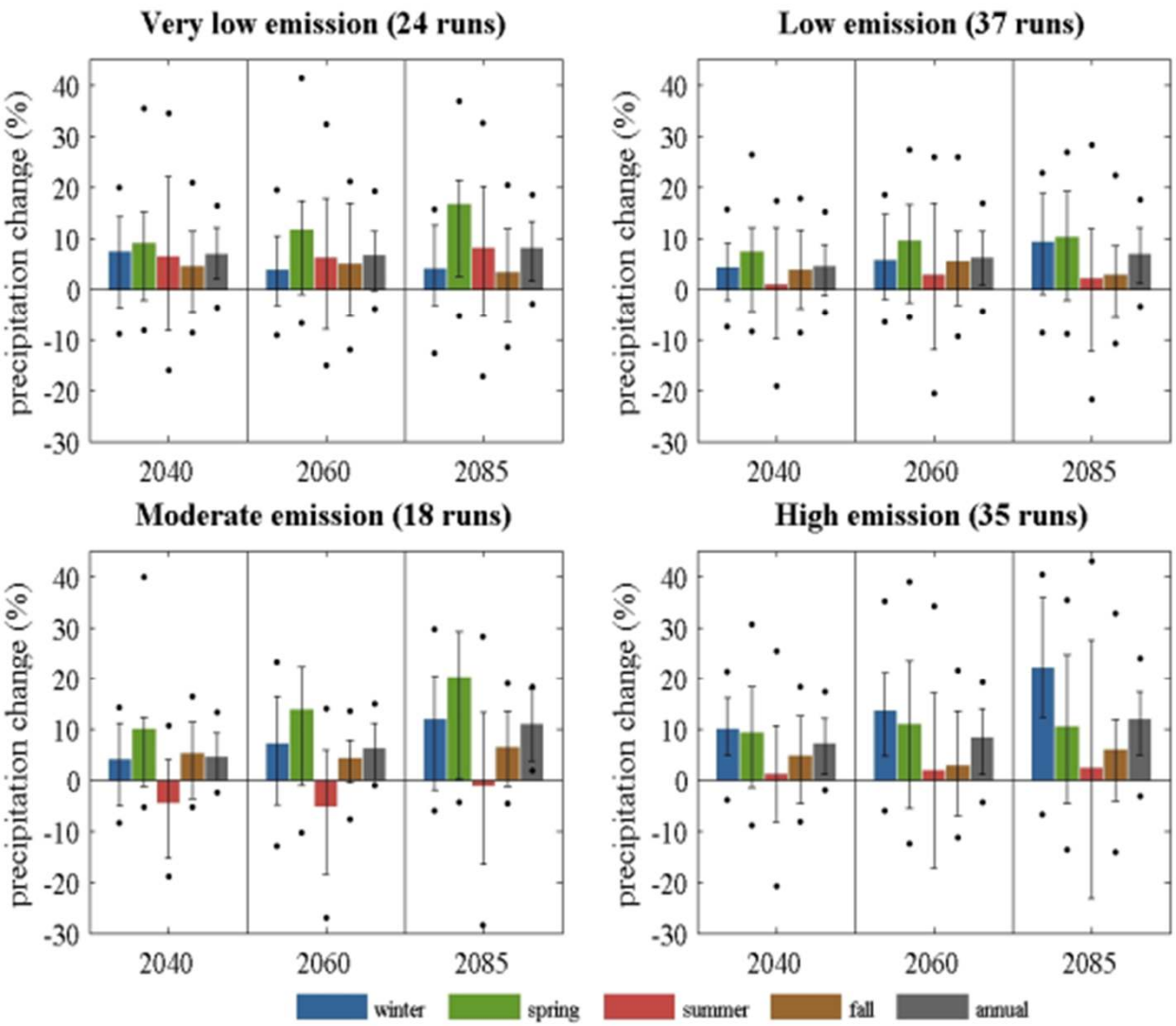


Projected Temperature Change

(Central Wasatch and Surrounding Region)

Source: Summary of Climate Change Understanding and Projections for the Mountain Accord ;Jim Steenburgh (University of Utah), Tim Bardsley (Western Water Assessment), and Court Strong (University of Utah), 10 April 2014

Climate Change Trends



Projected Precipitation Change

(Central Wasatch and Surrounding Region)

Source: Summary of Climate Change Understanding and Projections for the Mountain Accord;Jim Steenburgh (University of Utah), Tim Bardsley (Western Water Assessment), and Court Strong (University of Utah), 10 April 2014

Climate Change Trends

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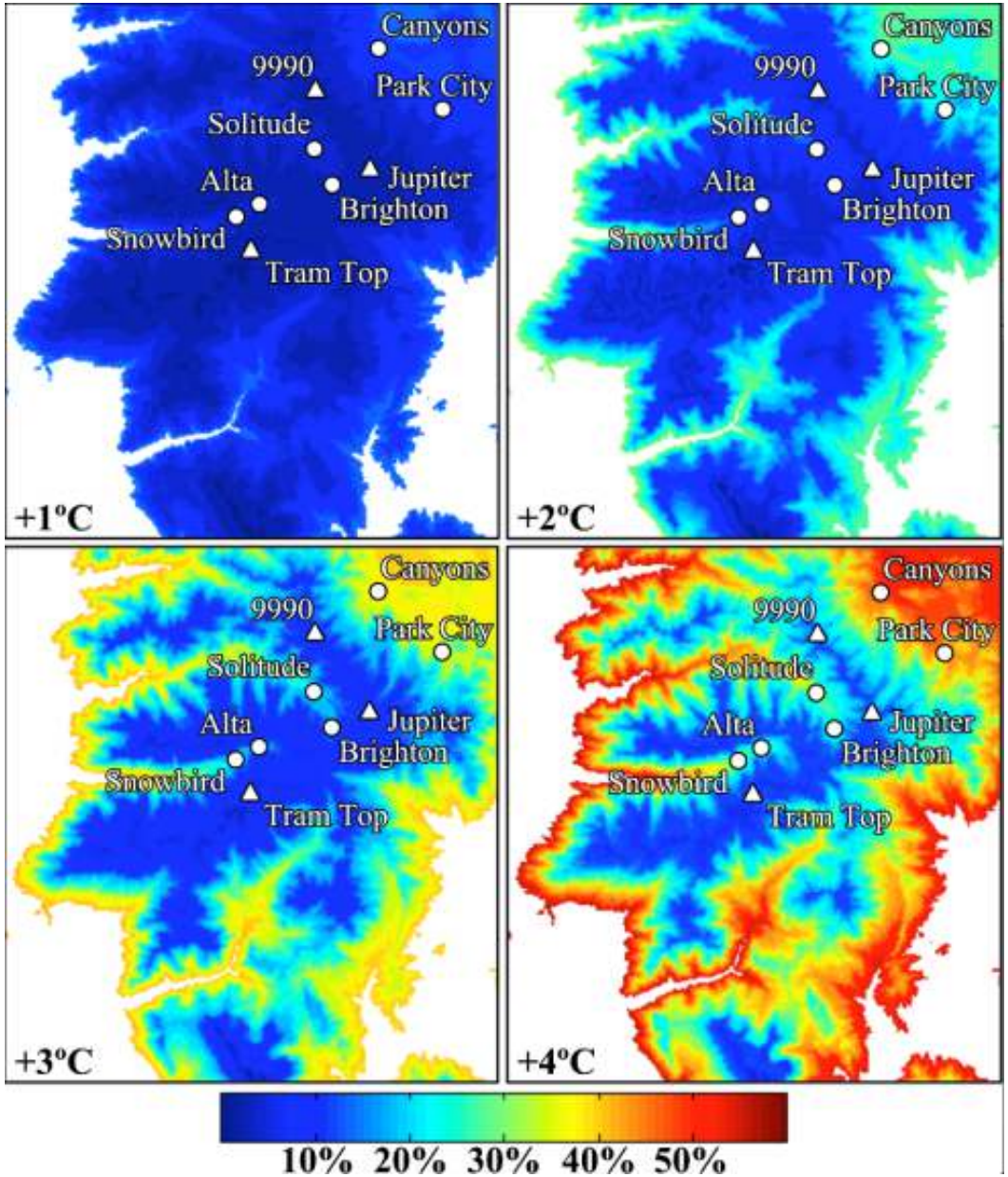

Percent Increase from Snow to Rain

Source: Steenburgh, J., 2014: Secrets of the Greatest Snow on Earth. Utah State University Press.

Trends - Effects to Water

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- Additional stressors to overall watershed health
  - Increased recreational use
  - Increased wildfire risk
  - Increased roadway runoff
- Reduction in snowpack
- Earlier and less intense runoff
- Development of additional water sources necessary
- Changes to supply diversions and storage reservoirs
- Additional challenges for treatment

Trends - Effects to Air Quality

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- No change in emissions from industrial sources
- Increased emissions from area sources (residences, small businesses, consumer goods)
- Increased vehicle miles traveled (does not necessarily translate into increased emissions from mobile sources)

Trends - Effects to Ecosystems

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- Loss, modification or degradation of ecosystems
  - Increased development pressure
  - Increased impacts from recreational use
  - Increased demands for water
  - Increased pollutants from roadway runoff
  - Increased water temperature
  - Increased invasive weed distribution
  - Migration of habitat to higher elevations
  - Changes in vegetative cover
  - Reduced potential for wildlife movement

Trends - Effects to Land

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- Decreased available open space
- Increased pressure on lands not protected
- Increased cost to acquire land for protection
- Increased impact to cultural resources

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Group Discussion on Future Trendlines Report

Future Trendlines Poll

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Poll open until Friday, May 2 to allow time for review.

Poll:

This Report accurately represents currently available information on existing Future Conditions to inform my vote on a future Idealized System.

1) Concur
2) Concur with minor point of contention
3) Disagree with outcome but consent to move forward
4) Dissent
5) Waive or Abstain

Next Steps

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- System Group Meeting #4: May-June: TBD
- Polling: Closes May 2
- Stakeholder Forum: May 5 @ 3-5pm, Salt Lake City Main Library