

# Montana Climate Mini-Summit

September 6-7 2017, University of Montana, Missoula, Montana

## PRESENTATION AND WORKSHOP LOGISTICS

Whether you consider yourself a provider, user, or both of climate information and services, please read through the instructions for both perspectives. It will help set the stage for the discussion. It is a tight schedule, but a relaxed environment. We will strive to stay on schedule.

The goals of the Thursday, Sept 7 workshop are to:

- ❖ Clarify the roles and responsibilities of organizations with regard to climate services for Montana.
- ❖ Articulate the best means to share information between organizations.
- ❖ Minimize duplication of work and create resources that are useful to end users.

It may be helpful to reiterate what precipitated this summit. The Montana Climate Office staff and the National Weather Service offices in Montana discussed their frustration with the complexity and number of entities providing climate services on behalf of Montana and the lack of a clear understanding of how to differentiate those services. This summit is a means to clarify roles and responsibilities. A single workshop cannot articulate a complete picture particularly given that picture is far from static. What we hope to accomplish is an understanding on how to move forward and sustain relationships in a manner that is productive for both producers and users of climate information.

### GENERAL INSTRUCTIONS FOR CLIMATE INFORMATION\SERVICE PROVIDERS:

- Approximately 10 minutes to present your perspective relative to the workshop goals. Think lightning talks. Be succinct. For efficiency, we prefer to have all content delivered verbally without media support, but you may find it helpful to provide reference material.
- Not required, but presenters can use 2-3 PowerPoint slides to support their presentation. Please use your name in the file name. For efficiency, we will attempt to load these on the presentation computer during check in or breaks. Please bring your presentation on a USB flash drive. Additionally, you may email the PowerPoint presentation to [michael.sweet@umontana.edu](mailto:michael.sweet@umontana.edu).
- Not required, but presenters can supply a one- to two-page PDF to supplement their presentation. Please use your name in the file name. We will make these available to participants electronically. We do not have a budget to print. Please bring the PDF on a USB flash drive. Additionally, you may email the PDF to [michael.sweet@umontana.edu](mailto:michael.sweet@umontana.edu).

- You may use the time and materials in whatever means you deem to be the most effective. We have arrived at some guiding questions for you to consider, but you do not have to be constrained by these.
  - What is the name of the agency?
  - What is your name?
  - What is your position within the agency?
  - What is the primary mission of the agency relative to Montana?
  - How do you differentiate your agency from the pack? What makes you unique?
  - Who are your primary contacts in Montana?
  - What is your primary method for delivering or exchanging information?
  - What is your primary method for gaining feedback from Montana?
  - In working with states, what has worked well?
  - In working with states, what are some thoughts on ways to improve collaboration?
  - What other federal agencies or federally funded regional entities do you work closely with on a regular basis?
  - What agencies or organizations would you like to work closer with in the future?
  - If your organization splits Montana activities by geography (e.g. Columbia versus Missouri basin), what do you do to coordinate activities internally?
  - How do you monitor\evaluate effectiveness?

**HERE IS A LIST OF PROVIDERS THAT ARE SLATED TO PRESENT:** NWS WESTERN REGION CLIMATE FOCAL POINT, CLIMATE PREDICTION CENTER, CENTRAL REGION CLIMATE SERVICES, HIGH PLAINS REGIONAL CLIMATE CENTER, WESTERN REGIONAL CLIMATE CENTER, NATIONAL DROUGHT MITIGATION CENTER, U.S. ARMY CORPS OF ENGINEERS, NATIONAL INTEGRATED DROUGHT INFORMATION SYSTEM, MISSOURI RIVER BASIN FORECAST CENTER, FISH AND WILDLIFE SERVICE, BUREAU OF RECLAMATION, NORTHWEST CLIMATE SCIENCE CENTER, CLIMATE IMPACTS GROUP, NORTH CENTRAL CLIMATE SCIENCE CENTER, WYOMING-MONTANA WATER SCIENCE CENTER, NORTHERN ROCKY MOUNTAIN SCIENCE CENTER, AND THE NATURAL RESOURCE CONSERVATION SERVICE.

### **GENERAL INSTRUCTIONS FOR USERS OF CLIMATE INFORMATION OR SERVICES:**

We invited a small cadre of individuals to represent the perspective of user communities that can benefit from climate information and services. Since you have been involved with much larger discussions within Montana, or represent a large constituency, you bring a range of perspectives to the table. You can help us understand the nexus of climate information and decision making at many levels. No doubt, many providers are also users, so we expect participants will play different roles during the discussion. We request that those of you that represent the user perspective:

- Be active listeners
- Ask clarifying questions; please be succinct

- Express your frustrations and needs; please be succinct
- Identify creative opportunities; please be succinct
- Challenge us to do better; please be succinct

HERE IS A LIST OF USERS THAT ARE SLATED TO PRESENT: LT. GOVERNOR OF MONTANA, REPRESENTATIVES FROM THE GOVERNOR'S DROUGHT AND WATER SUPPLY ADVISORY COMMITTEE, MONTANA DEPARTMENT OF NATURAL RESOURCES STATE WATER PLAN BASIN PLANNERS, MONTANA AGRICULTURE AND FOREST EXTENSION, UNIVERSITY OF MONTANA COLLEGE OF FORESTRY AND CONSERVATION, MONTANA ASSOCIATION OF CONSERVATION DISTRICTS MONTANA DEPARTMENT OF FISH, WILDLIFE AND PARKS, CONFEDERATED SALISH AND KOOTENAI TRIBES, FORT BELKNAP INDIAN COMMUNITY, MONTANA NATIONAL WEATHER SERVICE OFFICES, MONTANA CLIMATE OFFICE, MONTANA OFFICE U.S. EPA, MONTANA UNIVERSITY SYSTEM INSTITUTE ON ENVIRONMENT, MONTANA WATER CENTER, ROCKY MOUNTAIN REGION OF THE BUREAU OF INDIAN AFFAIRS, MONTANA DEPARTMENT OF NATURAL RESOURCES WATER MANAGEMENT BUREAU, AND OTHERS.

#### **ADDITIONAL HELPFUL INFORMATION FOR ALL ATTENDEES:**

Hospitality information for the Summit: <http://climate.umt.edu/summit/hospitality.php>

We know how difficult it is to get in and out of Missoula via air travel, so we assume Wednesday and Friday will be a travel day for most. This is one reason we have allocated a full day on Thursday. Check in on Thursday is from 7:30 am to 8 am. We plan to hit the ground running as close to 8 am as we can.

If you arrive in Missoula on Wednesday, we encourage you to explore Missoula. You are also welcome to join in on the Montana Climate Office and National Weather Service meeting (1-5 pm) if only to be in contact, get a parking pass, and become oriented to the surrounds. The Wednesday agenda is posted at <http://climate.umt.edu/files/Summit2017-WedSep6-DetailedAgenda.pdf>

Meetings will be in Rooms 333 and 332 of the University Center on the University of Montana campus (<https://www.umt.edu/uc/>).

#### **FINALLY**

The final word has to be a "THANK YOU" from Montana as large as our Big Sky. We cannot say that often enough. We understand and greatly appreciate the challenges of time, budgets, and travel. Your willingness and commitment to participate is important to us as well as the other participants. It is no small task and no small investment. We have learned that while internet technologies, remote meetings, teleconferencing, webinars, etc. all have their place, at some point in time there is no substitute for gathering around a table and talking face-to-face. We believe this is one of those times.