



# MONTANA CLIMATE SOLUTIONS COUNCIL

TECHNOLOGY INNOVATION AND TRANSITION

## MEETING INFORMATION

**January 8, 2020**

1:30pm to 4:30pm

Metcalfe Conference Room 111

CALL IN INFORMATION: 1-866-906-9888 Passcode: 7508058

## ATTENDEES

Mark Haggarty, Co-chair	Amy Barnes, Co-chair
Scott Bischke	Tom Kaiserski
Steve Thompson	Patrick Holmes
Paul Lachapelle	Al Ekblad
Todd O’Hair	Lee Spangler
Jayne Morrow	Joe Thiel
Jen Lane	Kristian Richardson
Shaun McGrath	

## MEETING OBJECTIVES

- Review and discuss white paper
- Decide how to handle recommendation for Council (Consensus?)
- Focus on specific and achievable recommendations

## WHITE PAPER DISCUSSION

- The whitepapers currently focus on how things get done: how innovation happens, for example. Does a whitepaper about the innovation landscape (or community transitions/resilience) blur the focus on climate impacts and solutions too much? Will the climate-purpose of the whitepapers come back into focus when we address recommendations?
  - Scott Bischke:
    - Focus of the first three paragraphs was on business development and not climate change. Only one sentence on climate change. Spent a lot of time on them and need to focus on what the Governor tasked us with. What does the Governor want? Not a lengthy white paper, but rather a list of bulleted recommendations.
  - Steve Thompson:
    - Focused on process not content. Parallel with other committees, even similar titles. Adaptation white paper was good in that it included the best recommendations. Should these papers be combined? Work on the same paper rather than three separate white papers. Steve agrees with Joe. Focus in climate change, not going to

be able to solve every problem on short timeframe. The reason for having three different committees all include resiliency. Substance of the transition paper is pretty academic, and we have limited audience. Needs to be a compelling document that is easier to understand.

- Joe Thiel:
  - One thing the papers should include in public policy transitioning related to natural resource economy. Has the policy been reviewed for natural resource economy and does the subcommittee and council address these policies? Is there a narrative for the innovation ecosystem?
- Mark Haggarty:
  - Paper is academic, but recommendations and report needs to be compelling and simple. Want to avoid a long list of recommendations, but rather recommendations are implemented and are easier to understand. Still need to do one more white paper. Should we ditch the white paper and just go forward with a list of recommendations with some context.
- Jayne Marrow:
  - Concerned that the level of details in the whitepapers goes beyond the authority of the committee.
- Scott Bischke:
  - Address Jayne, recommendation being too specific or too vague. We have an explicit direction for the Governor.
- Mark Haggarty:
  - This discussion better reserved for when we're ready to make the recommendations. Let's park this topic for a while until we're considering the recommendations. It is more appropriate to consider the proposed level of detail in the recommendations once we have them. We should see what the other adaptation whitepaper includes and share what we have that they don't with the full committee.
  - The innovation whitepaper: Is there agreement as to the status of the 2<sup>nd</sup> whitepaper? Everyone verbally agreed. The next step to the innovation WP is to integrate Steve's comments. Also, Scott may have provided some case study content.
- Steve Thompson:
  - Supportive of Innovation Landscape white paper. Approach is excellent. Resiliency and adaptation focused on process.
- Tom Kaiserski:
  - Will work with Adaptation committee to coordinate recommendations. Steve and Scott will also assist.
- Mark Haggarty:
  - We're supposed to be done with our Whitepapers by January 20<sup>th</sup>. Until then Mark views them as living documents. Will to make a google doc for everyone to see the most up to date white paper.
  - Outlined questions to guide committee member's drafting of recommendation
    - Recommendations should consider the following:

- What is the goal?
- Who can implement?
- What resources are needed to implement?
- Scott:
  - Added additional considerations including:
    - What is the impact of the recommendation?
    - What is the timing of the recommendation?
    - Where will it happen?

## RECOMMENDATIONS DISCUSS

- Patrick Holmes:
  - Mentioned that we should not exclude private organizations from participating in the recommended actions. Clear about what needs to happen for recommendation to happen. Not too prescriptive.
- Scott Bischke:
  - Interested in the impact, tempo and special aspect of the recommendations.
- Jayne Marrow:
  - Both near-term and long-term recommendations should be considered.
- Patrick Holmes:
  - TO clarify some of the expectation about the deliverables on the 20<sup>th</sup>... what we're aiming for is a final draft of the white papers that will be the framework for the draft report. Asking for committee to identify low-hanging fruit. Some need to be shared and vetted by stakeholders. What he envisions from each of the committees is to have recommendations and need to be prepared to answer questions. Proposing a Summit to help guide and answer questions. They will rely on the whitepapers for content for the final report, but also to queue up key decision for the next meeting.
  - Climate adaptations committee is one step ahead of ours. They have identified some priority recommendations and a set of finer detail recommendations, but it's unsure what part of that will come forward to the full council as recommendations.
- Shaun McGrath:
  - The greenhouse gas committee has not put forward recommendations yet. They are still in their development process. Some recommendations will likely go forward with dissenting votes within the committees. GHG Committee is meeting next week. Flagged for everyone the recommendations that members are not fully agreed upon. Chairs can table recommendation on the council.
- Mark Haggarty:
  - Friday, January 17<sup>th</sup> for next meeting to vote on the recommendations. Call and shared document. Call will be at 1:30pm and recommendations documents will be available for committee members that morning.
  - Want to find a way to start the recommendations process in two parts. First for Innovations Landscape, then move on to the Transitions Recommendations. Some recommendations already developed.

- Innovation Landscape Recommendations:
  - Joe Thiel:
    - Building the University research capacity, identifying specific research networks and link to public and social. Also, university and industry working together, building relationships to develop applied research. Project focus recommendations, support for users' facilities and grant program to allow communities to use research facilities.
  - Scott Bischke:
    - Mitsubishi Aces project, new private industry.
    - Next Gen support.
    - Transportation sector needs to work on biofuels.
    - Montana instituting a carbon tax.
  - Steve Thompson:
    - Endorses Joe's recommendations.
      - Competitive advantages, including unique project of Berkeley pit water.
      - Soil health, pay farmers to sequester carbon.
      - Build university linkages
  - Tom Kaiserski:
    - Focus on Joe's recommendation and photonics cluster, example of successful industry and research project.
  - Lee Spangler:
    - One of the very few states that have the amount of energy potential, use specific funds for energy research facility. Programmatic funds would help researchers with grant matching funds.
  - Steve Thompson:
    - Batteries are a good focus.
  - Lee Spangler:
    - Call it energy storage rather than battery.
  - Shaun McGrath:
    - GHG committee has similar recommendations, but encourages our committee to proceed.
  - Patrick: Encourage committee to look at Adaptation white papers. Different levels of recommendations.
  - Mark Haggarty:
    - Focus on ecosystem then cut down to sectors.
  - Joe Thiel:
    - Focused plan, invests, supports, and connects. Second, help research facilities with industry.
    - Sustained material resources, invest in human capital (faculty)
  - Jayne Marrow:
    - How to do the networking? Convening?
  - Joe Thiel:
    - Which areas should universities convene with industry and communities
  - Patrick Holmes:
    - Asset Mapping and academic research networking.

- Concept of networking is also being discussed in Adaptation committee. Different than innovation network.
- Mark Haggarty:
  - We need to be clear, when we make a recommendation, we know who can make it happen.
- Patrick Homes:
  - The how's and the who's will be addressed in the 2<sup>nd</sup> phase of the council's work.
- Transitions Recommendations:
  - Todd O'Hair:
    - Tax structure is a two-legged stool. Natural resources tax needs to be addressed. Conversations about state's tax structure and transitioning away from reliance on resource taxes.
    - Workforce Development, entrepreneurial develop through education in the classroom space.
  - Lee:
    - Request detailed assessment or study on revenue
  - Todd O'Hair/others:
    - The legislature is conducting a study on revenue
  - Mark Haggarty:
    - Necessary conditions for transition is broadband, stable fiscal structure, good schools, childcare. Planning process in place in communities fared better. Labor recommendations
    - Three recommendations, 1. Fiscal transitions 2. Community transitions, 3. Labor force and Industry transitions
  - Al:
    - Affordable housing, daycare, wages (competition with other states)
    - Tax breaks – have certain requirements to encourage better wages
  - Amy Barnes:
    - Would like to have recommendations by Wednesday close of business.
  - Mark Haggarty:
    - Format for recommendations, clear statement of recommendations, a brief description of the recommendation, then identify stakeholders.
  - Patrick:
    - Asked the committee to pass along any experts that could talk about transitions at the next council meeting; send recommendations to Patrick, Mark, or Amy

## ACTION ITEMS

- Innovation Landscape White Paper:
  - Review case studies
  - Scott to work with hydrogen
  - Steve will work on case studies
- Transitions White Paper:
  - Tom and Steve to start work on Adaptation review and integration.

- Mark will address current comments.
- Create Google Doc
- Committee Recommendations before next meeting
- Next committee meeting is January 17<sup>th</sup> at 1:30pm (Mark would like video conference, Patrick said we could use the Capitol and that he would look into it.)
  - Committee will discuss which recommendations will be included in white papers and proposed for full council consideration