

## Advancing Climate Adaptation in Flagstaff

### Participants:

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<p>Zack Guido (convener) University of Arizona zguido@email.arizona.edu</p>	<p>Michele Roy (convener) Arizona State University Michele.Roy@asu.edu</p>
<p>Ray Quay (convener) Arizona State University Ray.Quay@asu.edu</p>	<p>Nicole Woodman (convener) Sustainability Manager City of Flagstaff nwoodman@flagstaffaz.gov</p>
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### Overview:

The Flagstaff City Council recently adopted strategies based upon the City's September 2012 Resiliency and Preparedness Study (RPS; [www.flagstaff.az.gov/DocumentCenter/Home/View/38841](http://www.flagstaff.az.gov/DocumentCenter/Home/View/38841)). Flagstaff's management team hopes to implement these strategies through its performance measure and budgeting processes. The University of Arizona's (UA) Climate Assessment for the Southwest (CLIMAS) program and Arizona State University's (ASU) Decision Center for a Desert City (DCDC) and Center for Integrated Solutions to Climate Challenges is assisting the City in this process. The team will work with Flagstaff's management team to convene workshops targeted at the police and public works departments. The goals for the workshops will be to identify adaptation strategies that can be implemented now and planned for in the medium- and long-terms as climate and social conditions evolve. Once these strategies have been identified, we will develop performance measures and progress indicators for each strategy.

In preparation for workshops with Flagstaff's Public Works and Police Departments, the project team is convening a small workshop with experts on climate and health, transportation materials,

fire, storm water management, and emergency management. This discussion session will lead to a deeper understanding of the critical issues faced by the two departments.

**Expert Discussion Session Objectives:**

1. Document expert opinions on how human vulnerability as they relate to health, storm water drainage, street pavement, forest fire, population, and emergency managers, will be impacted by climate changes (impacts germane to the City of Flagstaff public works and police departments); document those that are considered most severe.
2. Develop an understanding of the ideal strategies available to adapt to the aforementioned climate change impacts, the information necessary to implement those strategies, and metrics to measure their success (ostensibly improving resilience).
3. Identify, in general, the information and tasks Flagstaff will likely need to plan and implement these strategies. This information will be incorporated into subsequent workshops with the City of Flagstaff.

**Draft Agenda:**

<b>Time</b>	<b>Topic</b>	<b>Notes</b>	<b>Presenter</b>
10:00 – 10:20	Introductions and Overview of Project/Introductions	- Where we want to end up - What we have done so far - Why we invited you	Zack
10:20 – 10:35	Overview of Flagstaff Resiliency Study	- The climate change scenario used - How the vulnerability analysis was done - ID'd some things we could do - These got coalesced into policies that were adopted - Now we are trying to figuring out what actions they are going to take to reduce vulnerable	Nicole
10:35 – 10:50	Why we are here	- Need for more detailed analysis: - Why interdisciplinary - Craft process for Flagstaff	Ray
10:50 – 11:50	Q1: In your expertise area, in what ways will human vulnerability be impacted by climate changes? What impacts could potentially be the most severe?	- Each participant answers the question as it pertains to their expertise	
11:50 – 12:00	Break: obtain lunch box	-	
12:00 –	Working Lunch: Q1a: what are	-	

12:30	the overlapping issues of these topics		
12:30 – 1:30	Q2: If you were charged with developing strategies to deal with these risks in Flagstaff, ideally what strategies would you focus on??	- Goal of this session is to understand ideal adaptation strategies (start with an expert then progress to the next)	
1:30 – 1:50	Break		
1:50 – 2:50	Q3: What information and or tasks would you need to plan and implement these strategies?	- Goal of this session is to understand information and tasks needed to advance those strategies (start w/first strategy and progress to the next)	
2:50- 3:30	Next steps	- Here is the structure/agenda of workshop; date of wkshp - *Ask who is interested in presenting at Flag - Help guide their presentations, which reflects their answers to Q1 and Q2	Ray
Time Permitting	Q4: In your area of expertise, what practical metrics would you use to estimate or rate resiliency to climate change?	- Discuss the feasibility (or desirability) of estimating resiliency and the practicality of the metrics needed.	

Proposed dates for Flagstaff workshops:

Oct. 17-18

Oct. 24-25

Oct. 31- Nov. 1