

WORKSHOP SUMMARY

Workshop 1: On June 25, 2019, the Town of Truckee, California held the first in a series of workshops in support of climate change adaptation planning. The objectives of the workshop were to identify and prioritize climate change risks and vulnerabilities in all major sectors of the community. Agency and organization leaders combined local knowledge and expertise with climate science and model projections to identify and prioritize local vulnerabilities. Background information was provided in the form of a Climate Trends Primer for the region, as well as a Community Primer describing existing trends and conditions in the community. (Access those resources [here](#) or at www.climatewise.org/truckee).

Nicholas Martin with the Town of Truckee opened the workshop followed by a welcome from Mayor David Tirman. After introductions and a local values exercise, attendees learned about the climate change science and projections from Dr. Marni Koopman, Climate Change Scientist with the Geos Institute. These projections serve as a base of information from which to identify specific vulnerabilities to the Town of Truckee and its residents.

Agenda

10:00-10:15 am	Welcome and Overview
10:15-10:25 am	Warm up and introductions
10:25-10:40 am	Exploring local values
10:40-11:00 am	Local climate change trends and community context
11:00-11:15 am	Break out group introductions
11:15-12:00 pm	Identify and prioritize risks in sector-based breakout groups
12:00-12:30 pm	Lunch
12:30-2:00 pm	Assess vulnerabilities (complete matrix for high priority risks)
2:00-2:10 pm	Break
2:10-2:55 pm	Assess vulnerabilities (continued)
2:55-3:15 pm	Report backs from breakout groups
3:15-3:30 pm	Participants provide feedback/ideas to other breakout
3:30-3:40 pm	Participants prioritize risks across sectors
3:40-4:00 pm	Closing, next steps, debrief, and evaluations

Thirty-five people attended (see list at end of summary) Stakeholders broke into five groups reflecting the five community systems of the Geos Institute’s Whole Community Adaptation framework: Natural, Built, Economic, Cultural, and Human. These breakout groups brainstormed how the Town of Truckee and its residents would be most impacted by the climate change projections for the region. Next, the breakout groups provided additional details on the timeframe, certainty, sensitivity, and adaptive capacity for each impact.

Preliminary results

Stakeholders identified thirty-one specific climate impacts to the Town of Truckee, its residents and resources across the five community systems. Input from additional outreach methods, including the community workshop will be added as the project



continues. The impacts are listed below, along with the number of votes they received in the prioritization process.

Climate impact	Votes	Climate impact	Votes
Increased fire risk	22	Less tourist revenue, fewer local employment opportunities	5
Transportation congestion (frequency and duration) and impact	21	Non-profit organizations impacted by loss of funding opportunities even as the need for services increases, with a shift to responding to extreme events and emergencies	4
Changing workforce and potential loss of opportunities for employment in the service and recreation industries	20	Increased frequency and severity of road damage	4
Increase in frequency and severity of wildfire emergency, affecting health, safety, life and property	17	Changes in recreation and nature-based culture, loss of appreciation for natural surroundings, and health impacts associated with less outdoor activity	3
Increased risk to forest health (non-fire) from overall changes in climate and increases in pests and disease	17	Increased variability in seasons	3
Cultural shift and stress to local infrastructure as people escape drought and heat elsewhere	16	Erratic weather - less predictable visitation	2
Lack of sustainable living	16	Less snow pack - water availability	2
Stress to public safety/agency response	15	Physical health - skin cancer,	2

		respiratory, etc. Health impacts from smoke Increased asthma and allergies	
Shift/change in winter recreation	14	Flood damage - shift in precip/runoff	1
Loss of power (frequency and duration); Blackouts; Electric infrastructure; increased demand and cost	14	Reduced water supply/reliability of shallow wells and surface water	1
Cost to biz, gov, and residents	13	Reduction in equipment lifetimes	1
Inadequate infrastructure	12	Loss of regional and Tribal cultural sites and resources, important to cultural practices and livelihoods	NA
Mental health impacts associated with natural disasters, loss of homes and livelihoods, fewer opportunities for young people, and degradation of the natural environment	12	Impact on construction/development	0
Risk to life/property/homes (evacuations, emergency response) from fire and flooding	11	Heat Exposure	0
Increased stress on water and sewer infrastructure	8	Allocation of money and resources to climate response, not human services	0
School and youth experience	5		

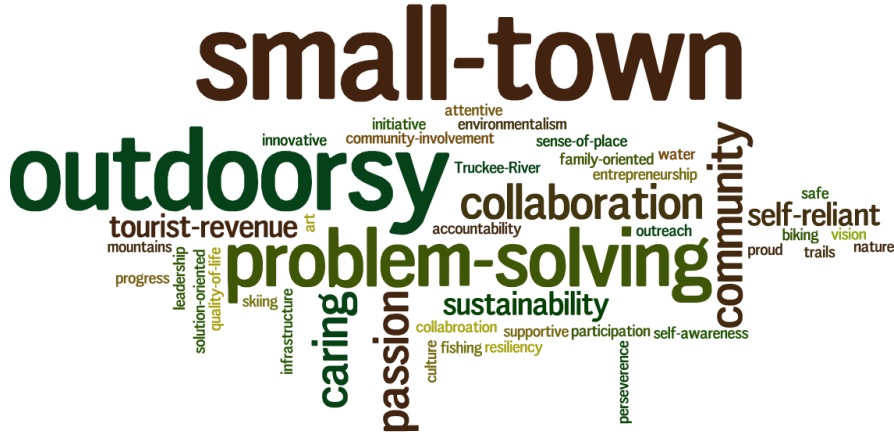


Figure 1. Results of a values exercise, where participants shared what they love most about Truckee.

Organizations Represented by the Stakeholder Workshop Attendees

Aegis Insurance, CATT	TFHD
CalTrans	TMA
Liberty Utilities	TMWA
NCTC	Town of Truckee
Placer and Nevada Counties Health and Human Services	Truckee Downtown Merchants Association
Sierra Seniors Services	Truckee Family Resource Center
Sierra Watershed Education Partnership	Truckee Fire
Southwest Gas	Truckee Police
Tahoe SAFE Alliance	Truckee River Watershed Council
TDPUD	TSD
TDRPD	US Forest Service
	Vail Resorts

Workshop 2: On July 24, 2019, the Town of Truckee held a second workshop at the Community Arts Center in Truckee from 5:30 – 7:30 pm. The objectives of this community workshop were to engage interested residents in the project to ensure that the vulnerability assessment includes the perspective of local residents as well as local government representatives. Background information was provided to all participants in the form of a Climate Trends handout. The full Climate Trends Primer and Community Primer reports were available as well. Access those resources [here](#) or at www.climatewise.org/truckee). A Spanish interpreter was on hand to assist anyone who needed translation services using wireless headsets.

Agenda

5:30-5:50 pm	Welcome and local performances
5:50-6:10 pm	Local climate change trends presentation
6:10-6:15 pm	Instructions for tables
6:15-7:15 pm	Table exercise to identify vulnerabilities
7:15-7:30 pm	Close out exercise – What assets can the community of Truckee bring to the challenge of climate change

As with the previous workshop, Nicholas Martin with the Town of Truckee opened this workshop followed by a welcome from Mayor David Tirman. After music and poetry performances by local artists, Dr. Marni Koopman introduced participants to the climate change science and projections. Participants then visited five community system tables – health and safety, infrastructure, nature, businesses, and culture – and answered two questions: What do you think the biggest impacts will be? And who and/or what is most vulnerable?



Twenty-nine people attended. Upon examination of the output from the five community system tables, Geos Institute staff determined that the vulnerabilities identified by community members generally corresponded with those identified by participants in the stakeholder workshop. One unique vulnerability identified in the community workshop was the question of food security given that Truckee has very little agricultural activity and depends on food coming from outside the community. Finally, local residents contributed additional details to many of the vulnerabilities identified in the first workshop. That information will provide valuable insights as this project moved into its next phase: identifying strategies to help the Truckee community prepare for changes.