

APPENDIX C

Community and Stakeholder Outreach

The process of developing the *Climate Ready Truckee* plan was the result of significant time and input from a variety of people in and around the Truckee community. The “Whole Community Resilience” process utilized by the Town of Truckee included a series of

workshops, each designed to solicit feedback used to inform the development of appropriate and actionable solutions. The Town also promoted two online surveys in English and Spanish to get additional feedback throughout the process.

Outreach during the Vulnerability Identification phase

During the vulnerability identification phase of the process the Town of Truckee held two workshops and collected survey responses to help identify the impacts from climate change already being felt and seen in Truckee, and what the area’s residents and visitors are concerned about with anticipated future climate change impacts.

Vulnerability Identification Stakeholder Workshop

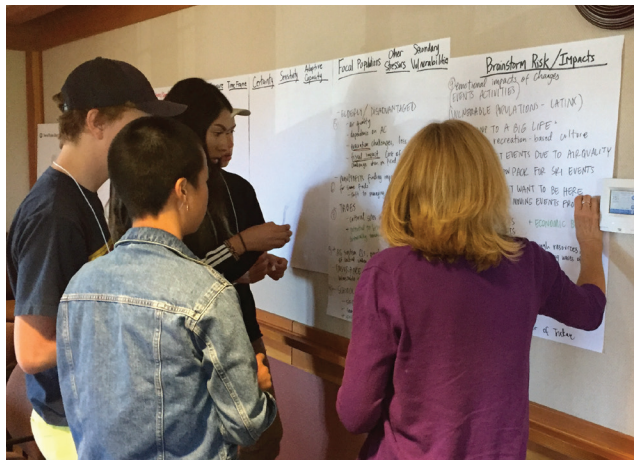
On June 25, 2019, a group of 35 agency and organization leaders met for a daylong vulnerability identification workshop. These stakeholders used their local

knowledge and expertise with the climate science and model projections provided by the consultants to identify and prioritize local vulnerabilities in all major sectors of the community. 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 at www.climatewise.org/truckee).

The stakeholders worked in 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.



At the end of the day stakeholders were asked to prioritize the impacts developed in their group and across all the breakout groups, using the framework of local values developed earlier in the workshop to help them determine which impacts were more critical or important.

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

Stakeholders identified thirty-one specific climate impacts to the Town of Truckee, its residents and resources across the five community systems. The impacts are listed below, along with the number of votes they received in the prioritization process.



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

Climate impact	Votes
Increased fire risk	22
Transportation congestion (frequency and duration) and impact	21
Changing workforce and potential loss of opportunities for employment in the service and recreation industries	20
Increase in frequency and severity of wildfire emergency, affecting health, safety, life and property	17
Increased risk to forest health (non-fire) from overall changes in climate and increases in pests and disease	17
Cultural shift and stress to local infrastructure as people escape drought and heat elsewhere	16
Lack of sustainable living	16
Stress to public safety/agency response	15
Shift/change in winter recreation	14
Loss of power (frequency and duration); Blackouts; Electric infrastructure; increased demand and cost	14
Cost to biz, gov, and residents	13
Inadequate infrastructure	12
Mental health impacts associated with natural disasters, loss of homes and livelihoods, fewer opportunities for young people, and degradation of the natural environment	12
Risk to life/property/homes (evacuations, emergency response) from fire and flooding	11
Increased stress on water and sewer infrastructure	8
School and youth experience	5

Climate impact	Votes
Less tourist revenue, fewer local employment opportunities	5
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
Increased frequency and severity of road damage	4
Changes in recreation and nature-based culture, loss of appreciation for natural surroundings, and health impacts associated with less outdoor activity	3
Increased variability in seasons	3
Erratic weather - less predictable visitation	2
Less snow pack - water availability	2
Physical health - skin cancer, respiratory, etc. Health impacts from smoke Increased asthma and allergies	2
Flood damage - shift in precip/runoff	1
Reduced water supply/reliability of shallow wells and surface water	1
Reduction in equipment lifetimes	1
Loss of regional and Tribal cultural sites and resources, important to cultural practices and livelihoods	NA
Impact on construction/development	0
Heat Exposure	0
Allocation of money and resources to climate response, not human services	0





Vulnerability Identification Community Workshop

On July 24, 2019, the Town of Truckee held a second workshop for the broader public at the Community Arts Center. 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, not just the agency and organization experts. A Spanish interpreter was on hand to assist anyone who needed translation services using wireless headsets.

After a welcome from Mayor David Tirman and a presentation to review the climate science and what projected impacts are expected in Truckee, participants were asked to visit five community system tables – health and safety, infrastructure, nature, businesses, and culture – and answer two questions: What do you think the biggest impacts will be? And who and/or what is most vulnerable?

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

Twenty-nine people attended. 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. The participants also contributed additional details to many of the vulnerabilities identified in the first workshop, helping to more fully develop this information.

Vulnerability Identification Community Survey

During the risk and vulnerability identification phase of the project, the Town of Truckee used a survey intended to educate residents and visitors about the changes expected in Truckee, as well as solicit feedback about what is already being seen and what, if any, specific concerns exist.

The survey was created online using the Crowdsignal platform and a paper version was created for use at public events. The survey was translated into Spanish by Andrea Fernández-Landa and both an online and paper version of the Spanish-language survey was created. The survey was promoted online through the Town of Truckee website, social media accounts, and the consultant's project webpage. Town of Truckee staff also used mobile devices to collect survey responses at public events. The responses considered for this report were collected between August 1, 2019 and October 23, 2019.

A summary of responses is below. For more details, please see Appendix D – Community Survey Details.

Summary of Responses

There was a total of 225 responses submitted. A majority (75%) of responses were from residents (full or part-time).

Over 90% of responses said they were concerned about climate change for Truckee. Over 80% of

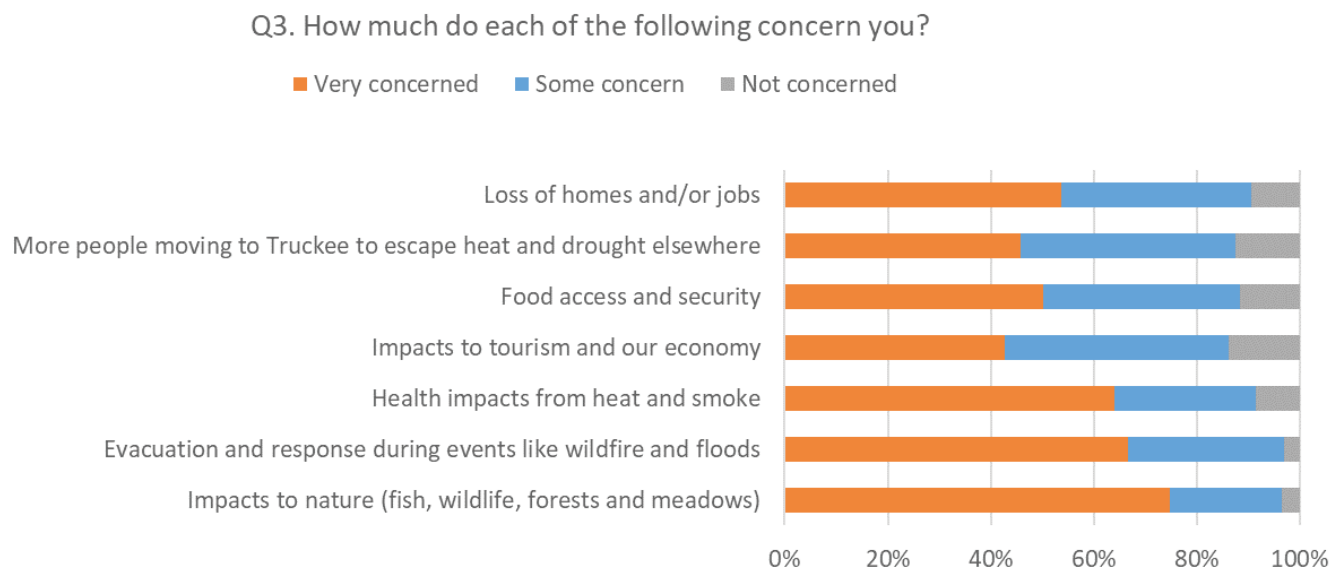


Figure 2. Answers to the survey question “What is your favorite thing about Truckee”. Larger text indicates more support for that item.

responses indicated they had experienced some level of climate changes, while 6% said they had seen no changes and 8% said they did not know or had not lived there long enough.

The responses to the question “What is your favorite thing about Truckee” clearly illustrated the importance of Truckee’s natural environment and sense of community.

When asked about the level of concern for a list of specific climate change impacts that already are affecting or could affect Truckee, the majority of responses indicated at least some concern for each.



Differences between residents and visitors

Overall there was not much difference in responses based on residence status, with a few exceptions.

First, year-round residents were significantly more concerned about people moving to Truckee to escape more severe climate change impacts elsewhere. This fits with the anecdotal evidence that the permanent residents of the Town are attracted to it because it is not so populous.

Second, visitors were significantly more concerned about the health impacts from heat and smoke. This is likely due to the nature of vacationers who may not be accustomed to co-existing with wildfires. However, the health impacts from wildfire smoke and heat are significant and the majority of responses indicated concern about that.

Third, visitors were overall more concerned about evacuation procedures than year-round or part-time residents. Again, this is likely due to the nature of being on vacation and not planning for emergencies. Residents are likely to have plans and procedures in place and therefore may not have the same level of concern.

Strategy Development Stakeholder Workshop

On November 6, 2019, a group of 31 agency and organization leaders met again for a daylong workshop. The objective of this workshop was to work across sectors to design collaborative and cohesive solutions to address the highest priority climate change vulnerabilities to Truckee as identified in the Vulnerability Assessment.



Participants built upon the information generated at the vulnerability assessment workshops in June and July by identifying and prioritizing strategies to address each specific vulnerability or risk. Available to use was a menu of potential strategies pulled from other plans in nearby regions and other similar communities.

The stakeholders worked in five cross-sector groups each with a series of related vulnerabilities to address. Groups brainstormed strategies for how the Town of Truckee and its residents could best address the identified vulnerabilities. The breakout groups provided details regarding co-benefits, tradeoffs, equity considerations, relative cost, effectiveness, and the entity responsible for implementation for each strategy.

At the end of the day stakeholders were asked to prioritize the strategies and actions developed in their group and across all the breakout groups, using the framework of local values developed earlier in the workshop.

Agenda

10:00-10:15 am	Welcome and Overview
10:15-10:30 am	Warm up and local values
10:30-11:00 am	Climate change trends and vulnerabilities
11:00-11:10 am	Break
11:10-11:25 am	Adaptation best practices
11:25-12:30 pm	Develop cross-sector solutions
12:30-1:00 pm	Lunch
1:00-2:30 pm	Develop cross-sector solutions
2:30-2:55 pm	Report back to group
2:55-3:10 pm	Break
3:10-3:25 pm	Participants provide feedback/ideas to other breakout groups
3:25-3:40 pm	Participants prioritize strategies and actions
3:40-4:00 pm	Closing and next steps

Stakeholders identified ninety-four strategies to address climate change-driven vulnerabilities to the Town of Truckee, its residents, and resources. For each strategy groups worked to include information about co-benefits, tradeoffs, timeframe, responsible party, relative costs, and also assess the strategy through an equity lens. Of these strategies, 13 were provided to participants at the Community Workshop.



Strategy Development Stakeholder Workshop

On November 7, 2019, the Town of Truckee held a community workshop at the Recreation Center. The objectives of this community workshop were to engage community members in the task of identifying and prioritizing strategies to address both the adaptation and mitigation elements of climate change.

Participants were provided with a Vulnerability Assessment handout and had access to the full Climate Trends Primer, Community Primer, and Vulnerability Assessment reports. A Spanish interpreter was on hand to assist anyone who needed translation services using wireless headsets.

As with the previous workshop, Nicholas Martin with the Town of Truckee opened this workshop followed

by welcomes from Mayor David Tirman, and Ben and Evan Anderson. Tonya Graham offered an overview of climate change and the importance of both adaptation and mitigation action. Honey Walters presented about action on mitigation and Dr. Marni Koopman introduced participants to climate change science, projections, and vulnerability assessment.

Participants then visited two community system tables – adaptation and mitigation – and answered questions to brainstorm strategies and signal their support for individual strategies. A summary of results is below. Forty-six people attended the community workshop.

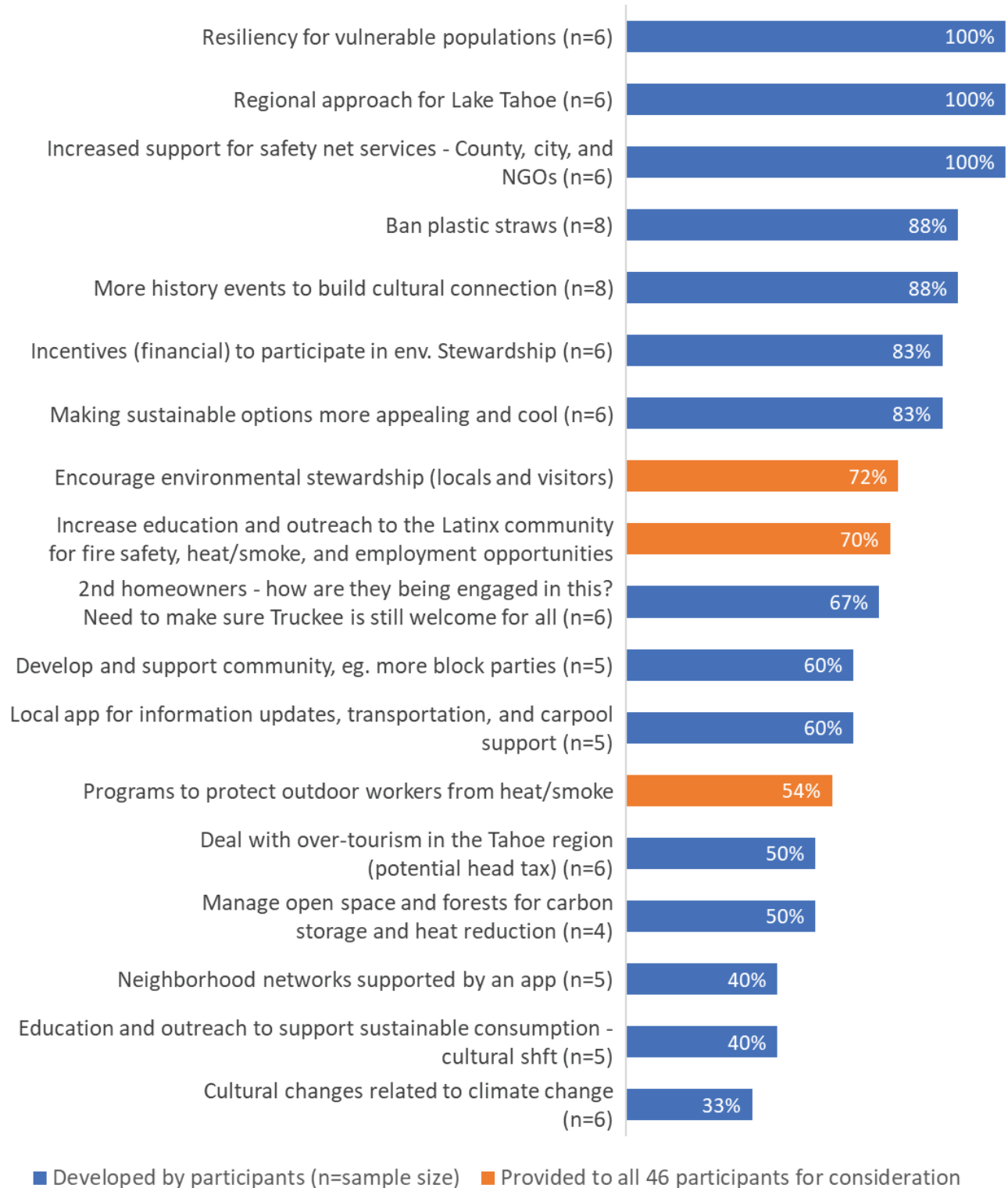
Agenda

5:30-5:40 pm	Welcome by Mayor Tirman and Ben and Evan Anderson
5:40-5:45 pm	Overview of climate change response – adaptation and mitigation
5:45-6:00 pm	Mitigation presentation
6:00-6:15 pm	Adaptation presentation
6:15-6:20 pm	Community values cloud exercise
6:20-7:20 pm	Mitigation and adaptation stations
7:20-7:30 pm	Closing exercises

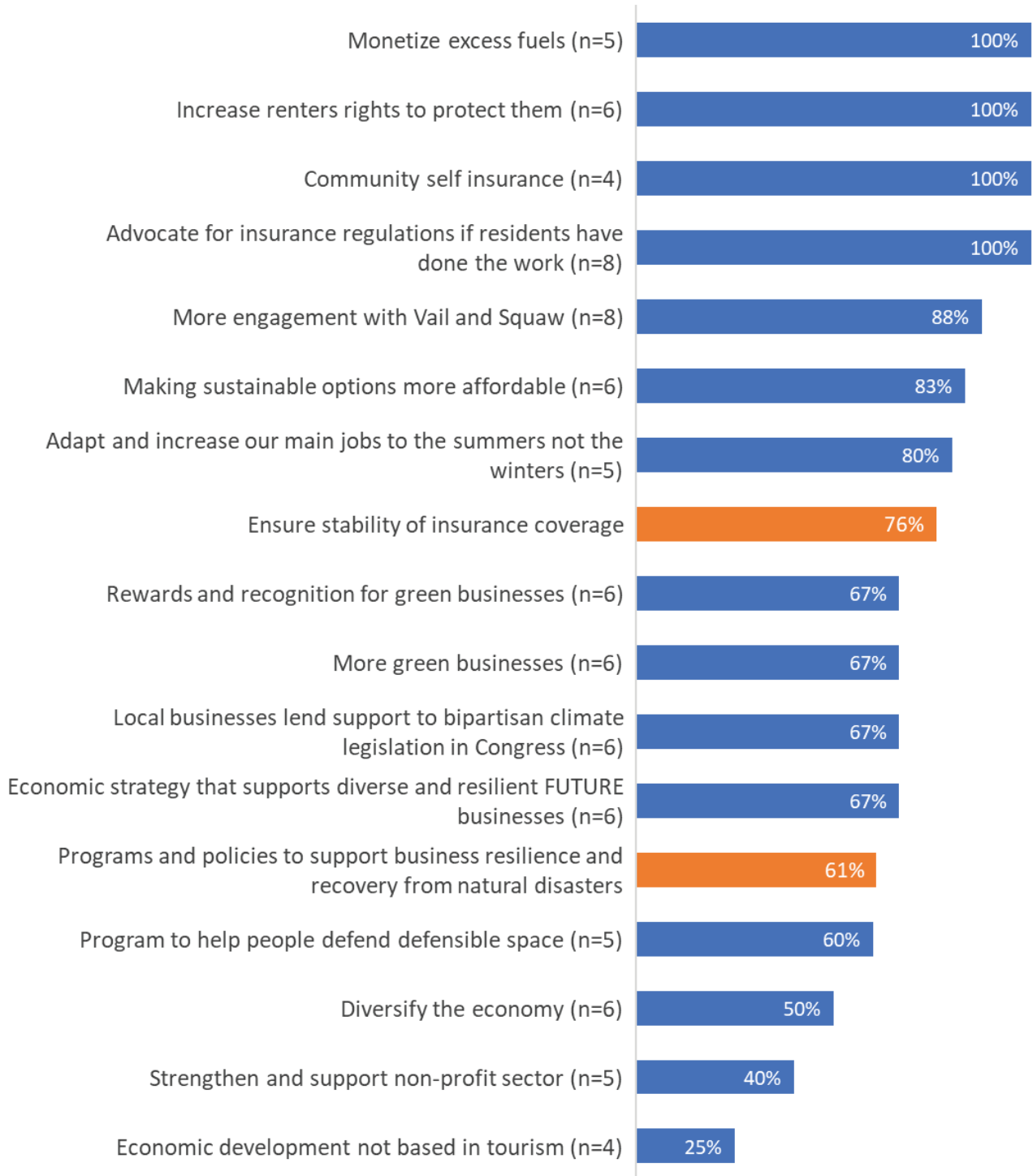


The following charts present data from the community workshop.

Culture Solutions (% support)

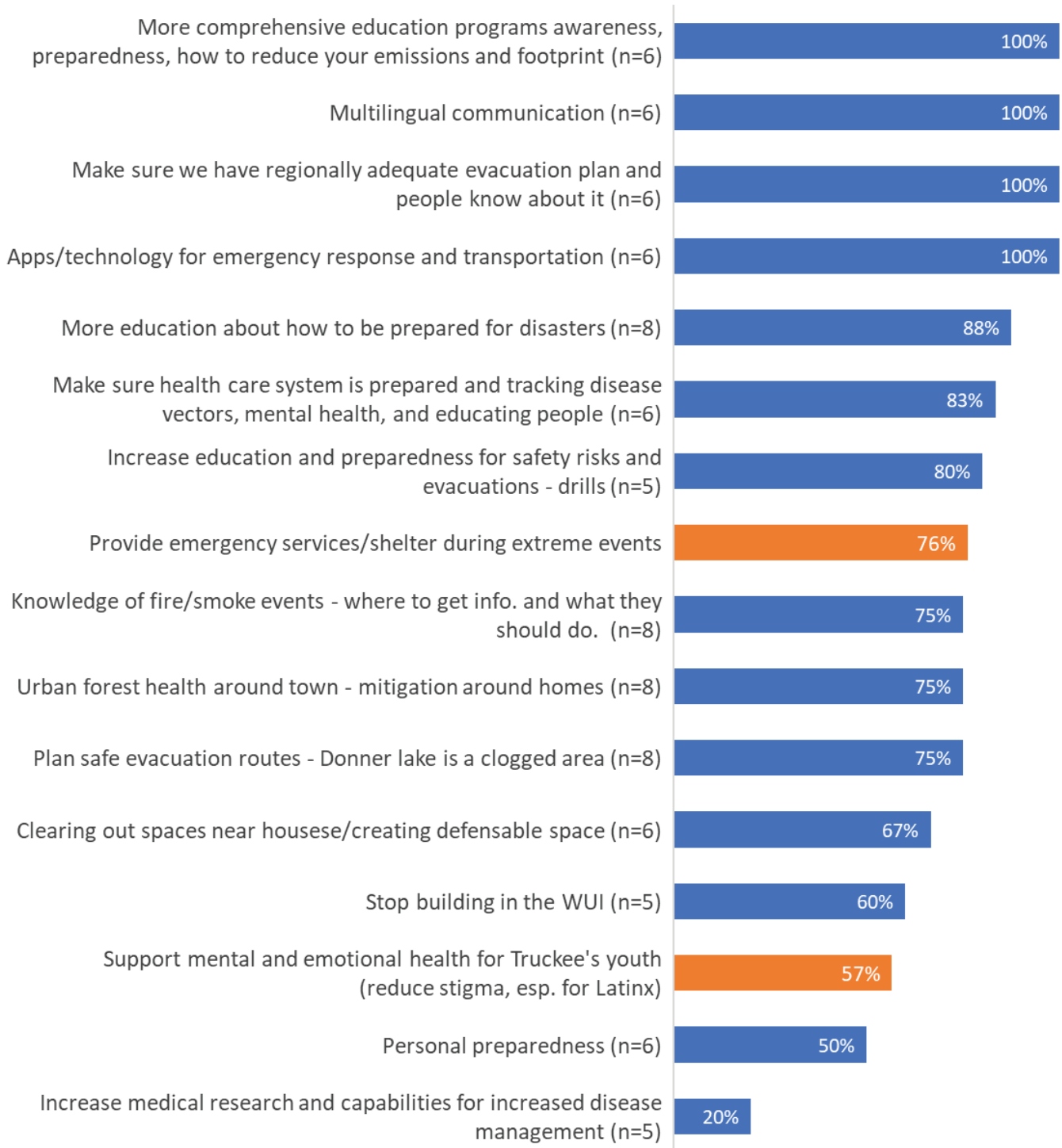


Economy Solutions (% support)



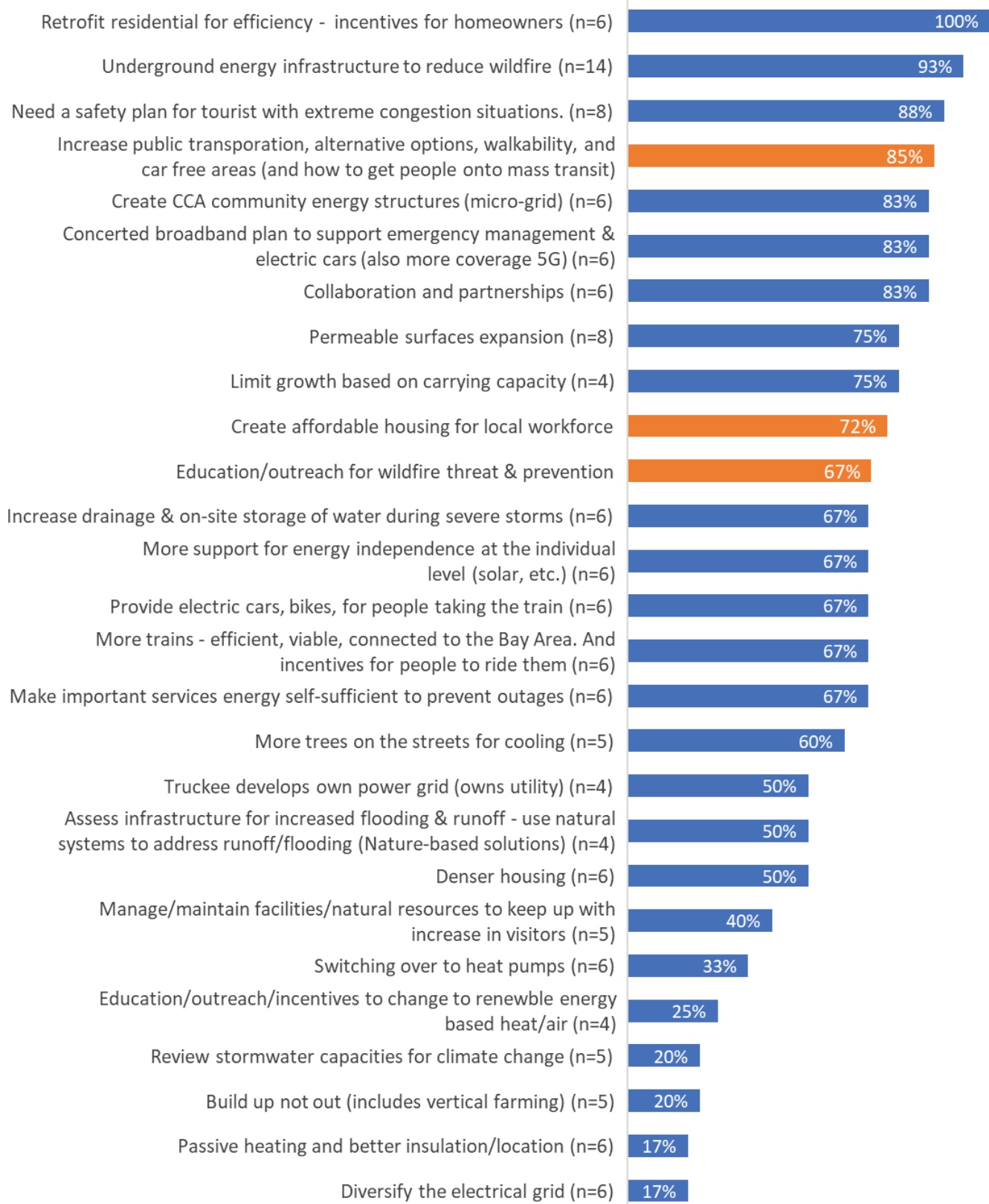
■ Developed by participants (n=sample size) ■ Provided to all 46 participants for consideration

Health and Safety Solutions (% support)



■ Developed by participants (n=sample size) ■ Provided to all 46 participants for consideration

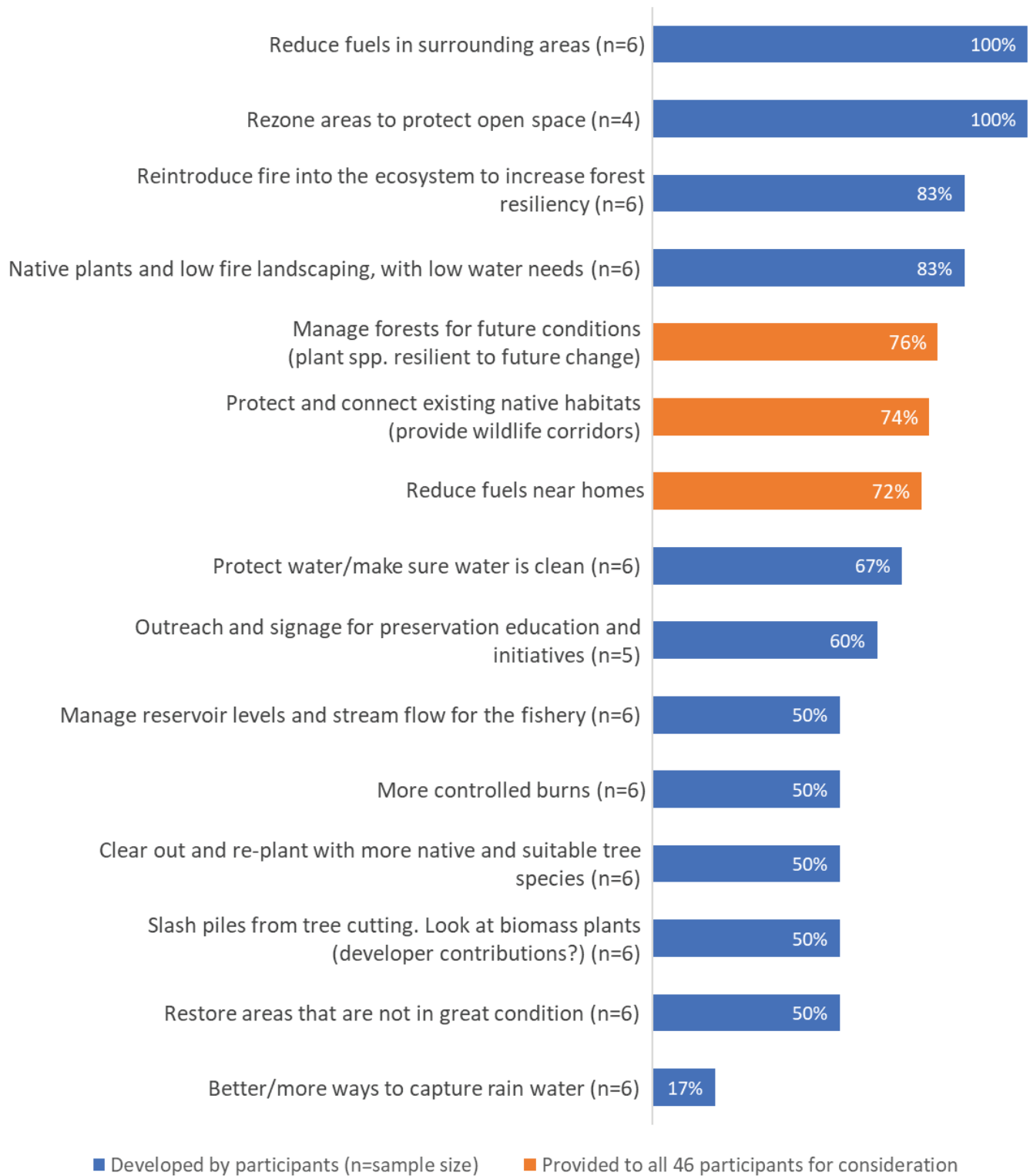
Infrastructure Solutions (% support)



■ Developed by participants (n=sample size)

■ Provided to all 46 participants for consideration

Nature Based Solutions (% support)



Strategy Development Community Survey

The strategy survey was created in tandem with the Town's efforts on creating a plan for reducing greenhouse gas emissions. The first page of questions asked for feedback on some of the proposed mitigation strategies, while the second page of questions asked for feedback on some of the proposed climate adaptation strategies. For the purposes of this report only the climate adaptation questions have been included. For analysis of the mitigation related questions, please see the Town of Truckee climate action report.

This survey was also translated into Spanish and paper copies were made of the Spanish language survey only. All of the Spanish language responses were provided on these paper surveys and translated by Andrea Fernández-Landa. All of the English language responses were provided electronically.

The survey was promoted online through the Town of Truckee website and social media accounts. A total of 256 responses were submitted with 56 of the

responses in Spanish. A summary of the responses is below, for more details please see Appendix D – Community Survey Details.

Summary of Responses

The adaptation section of the survey asked for a ranking from 1-5 indicating the level of support for each of 10 potential adaptation strategies for the Town of Truckee, where 1 was Do Not Support and 5 was Very Supportive. These 10 strategies were developed in the stakeholder workshop and community workshops explained above.

Every strategy had at least 50% of responses choosing some level of support. The highest overall supported strategy with 80% of responses was "Ensure ongoing stability of insurance coverage for homeowners and businesses". The strategy with the lowest level of support at 54% of responses was "Create programs or policies that protect outdoor workers from heat and smoke exposure". However, for both of these strategies there is a notable difference in the level of support between English and Spanish language responses.

Please rank the following strategies to protect people and resources from climate change from 1-5 based on whether you strongly support it (5), strongly oppose it (1), or fall somewhere in between (2-4).

	Supportive (4-5)	Not supportive (1-2)	Neutral (3) or no response
Increase and expand fuels reduction measures near homes	186 (73%)	20 (8%)	50 (20%)
Protect and connect native habitats so plants and wildlife can move as the climate changes	191 (75%)	21 (8%)	44 (17%)
Create affordable housing to support local workforce	180 (70%)	29 (11%)	47 (18%)
Increase public and alternative transportation, walkability, and car-free areas	184 (72%)	29 (11%)	43 (17%)
Create and expand youth programs/activities that build emotional health	162 (63%)	29 (11%)	65 (25%)
Create programs or policies that protect outdoor workers from heat and smoke exposure	138 (54%)	42 (16%)	76 (30%)
Provide emergency relief services and shelters during extreme events such as heat waves, floods, wildfires, smoke, and others	168 (66%)	29 (11%)	59 (23%)
Increase outreach to the Latin(x) community around wildfire safety, heat and smoke, and employment opportunities	158 (62%)	34 (13%)	64 (25%)
Ensure ongoing stability of insurance coverage for homeowners and businesses	206 (80%)	16 (6%)	34 (13%)
Develop programs and policies to help businesses quickly recover from disasters	144 (56%)	32 (13%)	80 (31%)

Comparing the support between Spanish-language and English-language responses

Both Spanish and English language responses showed similar levels of support for all of the strategies listed, with a few notable exceptions.

These two strategies had a higher percentages of support from the Spanish-language responses than the English language responses:

- Protect and connect native habitats so plants and wildlife can move as the climate changes
- Create programs or policies that protect outdoor workers from heat and smoke exposure

This strategy had a higher level of support from the English-language responses than the Spanish-language responses:

- Ensure ongoing stability of insurance coverage for homeowners and businesses



Figure 3. Results of an exercise at the community strategy development workshop that asked participants to describe the Truckee community.