



# Chelan County Community Climate Resilience Action Planning Workshops

## Meeting Overview

December 2<sup>nd</sup>, 2020 | 9AM to 12PM

December 3<sup>rd</sup>, 2020 | 9AM to 12PM

Virtual meeting – Zoom

## Background

In May 2020, Chelan County, Chelan PUD, Washington Department of Natural Resources, and the University of Washington Climate Impacts Group gathered partners via Zoom to launch county-wide climate resilience planning. Chelan County furthered its climate resilience effort with an August 2020 workshop aimed to solicit feedback on a Draft Climate Resilience Strategy. The workshop was held in partnership with the Environmental Protection Agency, Federal Emergency Management Administration, and the Federal Reserve Bank of San Francisco. The feedback from that workshop and subsequent survey was incorporated into a final Chelan County Climate Resilience Strategy.

## Meeting Summary

After completing the Climate Resilience Strategy document in October 2020, Chelan County, in partnership with the above organizations, hosted two half-day workshops to help turn the strategies into action items. These workshops, held on December 2<sup>nd</sup> and December 3<sup>rd</sup>, had over 60 participants each day from various levels of government, local, state, and federal agencies, community groups, academic institutions, and interested community members.

The core portion of each day was spent in breakout groups split into four main topic areas: Wildfire, Public Health & Safety, Water Resources (Supply, Snowpack & Streamflow, & Flooding), and Organizational Structure & Outreach. Using the strategies developed throughout the last year and included in the resilience strategy document, the breakout groups used an action planning system provided by EPA Region 10 to assess each strategy, and develop action items related to the four topic areas above. The groups were split by personal preference of the attendees, and within each breakout, the group decided which strategies to develop out into action items.

The filled out action tables, attached below, provide the foundation on which the Climate Round Table will begin its resilience implementation work in early 2021. For more information, visit Chelan County Natural Resources' webpage on the effort: <https://www.co.chelan.wa.us/natural-resources/pages/county-wide-climate-resilience-planning>

## Agenda

### Day 1: December 2

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- 9:00 Welcome and Introductions (Commissioner Bob Bugert)
- 9:15-9:30 Overview of Chelan County Climate Resilience Strategy and Action Planning Workshop (Mike Kaputa, Chelan County; Shaun Seaman, Chelan County PUD)
- 9:30-9:45 Action Planning Overview (Vicky Salazar, Environmental Protection Agency)
- 9:45-11:15 Develop Action Planning Tables (Facilitators)
- Break-out Session #1: Wildfire*
- Break-out Session #2: Public health and safety/Vulnerable populations*
- 11:15 Report out from break-out groups
- 11:45 Wrap-up, preview of Day 2

### Day 2: December 3

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- 9:00 Welcome back and introductions (Commissioner Bob Bugert)
- 9:15-9:30 Review of Day 1 (Mike Kaputa, Chelan County)
- 9:30-9:45 Action Planning Overview (Vicky Salazar, Environmental Protection Agency)
- 9:45-11:15 Develop Action Planning Tables (Facilitators)
- Break-out Session #1: Water Resources: Supply, Streamflow & Snowpack, Flooding*
- Break-out Session #2: Organizational structure/Communication and Engagement*
- 11:15 Report out from break-out groups
- 11:45 Next Steps for the Chelan County Climate Resilience Roundtable

## Action Planning Tables

The tables below are organized in the following hierarchy: 1) Order in which the topic area appears in the strategy document, then 2) order in which the strategy appears within the topic area, and 3) group number. For Water Resources: Flooding, there was only a single breakout group.

## Description of Columns:

**SMART actions achieve goals:** Each group will be working from a set of action ideas the larger group has brainstormed. Often, the larger group will vote on these ideas to prioritize them and advance them to action planning. Groups may use these as a guide, but it is up to your discretion to determine the final set of actions, and how they are phrased, to advance to the implementation matrix. Some tips:

- Often similar actions can be grouped together under a more general idea that will have even broader support.
- Check that actions are logical first/next steps given where your community is in its planning. If a proposed action seems too ambitious, think about the more immediate, achievable steps that can move your community towards higher goals.
- Use active language.

**First steps?** For each action, individual smaller steps need to be planned and executed to accomplish the larger goal step. Identify the smaller actions that need to be accomplished in the next 3-5 months to reach your goal action.

**How will we know success?** For each action, think of things that are relatively straightforward and easy to measure. Ideally, the measures you identify should connect to the things your community cares about and that drove your interest in pursuing the goal in the first place. If you are having trouble determining an appropriate measurement of success, your action might not be specific enough. Try refining your action to focus on the most basic or critical step/element.

**Time frame.** The Action Plan is intended to guide your community for the next 2 years or so. It is important to think about whether your goal can realistically be achieved in that time frame. If not, there may be other goals that first need to be achieved. Similarly, you are encouraged to be ambitious (but realistic) about what your group can achieve over the same time frame. This is particularly important if a small number of people are responsible for completing multiple actions. Be patient and celebrate your successes – small steps lead to big results!

**Lead and supporting roles.** For each action, your group should identify a specific person (not just an organization) to take the lead for each action. Often, the most logical lead for an action is not in the room and hasn't been part of the process. If this is the case, identify an individual present who is responsible for reaching out to that lead and soliciting his/her participation. Follow the same procedure for any supporting individuals or organizations. Remember that this action plan cannot come to life unless individuals step forward to take ownership of goals and/or actions. You can help this process along by developing achievable actions and identifying the right people for the job. Don't forget to let them know they will have the support of the Round Table and other community participants. People are often more willing to step in and help if they sense that there is a strong leader who will take charge.

**Costs and implementation resources.** For each action, there will be associated costs (either monetary or otherwise) and resources that may be available to support the action. It is important to remember that this does not need to be a detailed accounting of potential expenditures or an official budget. This element is included to provide you with a sense of what is needed, in roughly what amounts, to help you accomplish each action. For example, some actions may only require an individual's time. Other actions, such as capital improvement projects, may have high monetary costs. The goal of this element is mainly to get you thinking about what types of resources you might need to achieve actions and goals. Federal, state, and other public agency partners are on hand to provide specialized knowledge about potential funding and technical assistance opportunities and consultants can provide information on best practices and creative funding partnerships from other communities with similar goals.

## Topic Area: Wildfire

<b>Strategy</b> <i>From the Chelan County Action Plan</i>	<b>Key Actions</b> <i>Actions should contribute to success of a goal and be SMART: Specific, Measurable, Achievable, Relevant and have a time-frame.</i>	<b>First steps:</b> <i>What are actions that need to be taking in the next 3-5 months to ensure this action gets taken?</i>	<b>How will we know success?</b> <i>Think about metrics, numbers that are feasible and reasonable to track. Think qualitative and quantitative.</i>	<b>Time-frame</b> <i>Short 0-6 Months            Medium 6-12 Months            Long 1-2 Years            (Feel free to adjust these as needed)</i>	<b>Lead and Supporting Rolls</b> <i>Who is the primary responsible organization or person, or for following up to find a good lead role?</i>	<b>Cost and Implementation Resources</b> <i>Brainstorm financial costs and human resource needs even if a source is yet unknown. Brainstorm existing or possible sources.</i>
<b>Group 1: Build awareness of increasing wildfire risk and preparedness of Chelan County Communities</b>	<ul style="list-style-type: none"> <li>• Outreach to homeowners, understand impacts to your property and neighbors, how to collectively provide resilience and community risk reduction benefits.</li> <li>• Individual homeowners not taking seriously the process of Firewise homes? Increase awareness of Firewise, what it involves, and its importance.</li> <li>• Provide basic information that homeowners can take action to reduce fire risk, and what those actions can be. People may not know to ask for risk assessment.</li> <li>• Knowledge about what resources are available to support these actions.</li> <li>• Action days for neighborhood organizations.</li> <li>• Having more presentations by Chumstick Coalition.</li> <li>• Communication plan developed for all these efforts (collaborative effort), including printed materials in spanish lang, use different mediums (websites, Wenatchee World)</li> </ul>		<ul style="list-style-type: none"> <li>- Formal process for measuring awareness and participate – every 6 months develop a community awareness survey</li> <li>- Community poll – multiple times to measure progress and assess whether people feel more prepared.</li> <li>- Track the amount of people who have received information (count people who have signed up)</li> </ul> <p>Phone calls to assess what people have done (CAFÉ does this sort of phone call checks and online surveys)</p>	<p>3-4 months for homeowners to begin work in better weather.</p> <p>6-12 months for developing a communications plan</p> <p>Neighborhood action days (over the next 3 months plan for action for 2021)</p>	<ul style="list-style-type: none"> <li>• Chelan County Fire Marshall (building permits, inspections for international fire standards, Bob Plumb).</li> <li>• Cities in Wildland Urban Interface (Bridgeport, Wenatchee)</li> <li>• Fire District #3 Greater Leavenworth (Annie Schmidt)</li> <li>• Community Based Organizations (CAFÉ) – developing Spanish lang. part of communication plan.</li> <li>• WA Fire Adapted Communities Network Chumstick Coalition</li> </ul>	<p>Increasing capacity for the fire Marshall inspections.</p> <p>Outreach materials in multiple mediums (website content, radio and newspaper spots)</p> <p>Funding for conducting surveys and phone calls to assess progress.</p> <p>Information bags – drive thrus</p> <p>Sources –</p> <p>North Central WA community Foundation donations (fund specifically for wildfires)</p> <p>Cost of building permit – should pay for cost of inspection (sensitive issue)</p> <p>Insurance companies – provide funding for preventative work (cost savings in the longrun)</p> <p>State FEMA sources of funding for local hazard mitigation plans (hazard assessments and vulnerability assessments)</p> <p>Sharing resources with neighboring communities and counties</p>

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	<ul style="list-style-type: none"> <li>• CAFÉ works with schools – sends information with students</li> </ul>					
<b>Group 3: Build awareness of increasing wildfire risk and preparedness of Chelan County Communities</b>	<p>It's one thing to think about how to make our house/dwelling resilient to wildfire, but also must think about policy and interconnected actions that help to build resilience to wildfire.</p> <ul style="list-style-type: none"> <li>• Lack of understanding of tools in the toolbox of how to manage lands</li> </ul> <p>Making sure places / watersheds don't get skipped, making sure there's a consistent treatment across the valley.  Not a one and done solution, but repeated effort and adapted management.</p>	<p>CAFE Classes: posted online, direct outreach. 5 week course, videos every Monday, talk with expert on Fridays. Each week has a topic and expert. Leverage this type of effort. (30 ppl per class, steering committee made of members who have taken the class, and would like to do more outreach around wildfire education...pass on the information)</p> <p>Ongoing efforts: Upper Wenatchee Pilot Project</p> <p>Yet to have a more sophisticated conversation about health impacts and smoke.</p> <p>Evacuation pamphlet to put in vacation rentals countywide. Magnets about AQI</p> <p>Try to communicate with westside media (who live in rainforest) about risks</p> <p>WA FAC (WA fire adapted communities) network working on informing westside about issues and connecting it to Leavenworth and recreation uses).</p>	<p>What's the perception of how educated the community is about wildfire risk?</p> <ul style="list-style-type: none"> <li>• Letting people know about the actions that can be taken to protect property (move wood pile, desk skirting, etc.)</li> <li>• Maybe don't see their house/property is at risk</li> <li>• Being a good neighbor means managing forest for fuel load</li> </ul>	<p>Short-term: Mailer and promote classes around wildfire education and issues around wildfire. Encourage community level participation. Could have different geographic areas of focus, Chelan, Leavenworth, etc. Classes could provide guidance for how to get further involved.</p> <p>Identify those who are most involved/interested in the class, leverage their interest to move on to the steering committee. Currently focused on map your neighborhood (MYP).</p> <p>Evacuation effort and education: + for narrowing down to smaller communities or neighborhoods. Localized outreach.</p>	<p>Chelan County Fire Marshall  Cities  Fire Districts  Organizations serving vulnerable populations  Sustainable Wenatchee willing to help support engagement around resilience. – Jana Fischback  Corrine Hoffman @ Chumstick Wildfire Stewardship Coalition  WA Fire Adapted Communities</p> <p>People who have taken courses on learning about wildfire risk are ready to get out into the community and help educate and coordinate efforts (WAFAC, FD 1, Cascadia Conservation District).</p> <p>Chumstick went in on grant with FD 1 and Cascadia to implement FireWise communities (orgs are tied together b/c of WAFAC, leverage this connection).</p> <p>Good local work already happening, how to leverage and built on it. Not a great communication network across organizations to talk about joint efforts, in order to leverage work.</p>	<p>It's one thing to think about how to make our house/dwelling resilient to wildfire, but also must think about policy and interconnected actions that help to build resilience to wildfire.</p> <ul style="list-style-type: none"> <li>• Lack of understanding of tools in the toolbox of how to manage lands</li> </ul> <p>Making sure places / watersheds don't get skipped, making sure there's a consistent treatment across the valley.  Not a one and done solution, but repeated effort and adapted management.</p>

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		<p>Currently, WA FAC supports education in the Wenatchee valley area around wildfire preparedness, prescribed burns, evacuation, etc.</p> <p>Remind people that having a sparse landscape, not totally full of pines, is important to maintaining a fire-resilient landscape and community.</p>			<p>Some inefficiency, possibly resulting in disconnected / redundant efforts. How can we support the communication efforts?</p>	
<b>Coordinate and improve emergency preparedness systems, particularly early detection1</b>					<p>Chelan County Fire Marshall  Fire Districts</p>	<p>\$: Coordinator</p>
<b>Group 2: Develop fire safe places in fire prone areas with wildland urban interface including policies and codes</b>	<p>What does fire safe mean? Places people can go or creating places that are fire safe.</p> <p>Create buffers around a community</p> <ul style="list-style-type: none"> <li>- Orchards</li> <li>- Streams</li> <li>- Thin forests</li> </ul> <p>Be proactive before fire season – have a large Fireline around the community itself?</p> <p>Prescribed burns</p>	<p>Educate the community and neighborhood</p> <ul style="list-style-type: none"> <li>- Get people to buy in before fire season</li> <li>- Specific and actionable natural buffers.</li> <li>- “community watch” program for fires.</li> </ul> <p>Make a list of resources that are available in a specific community such as:</p> <ul style="list-style-type: none"> <li>- Bulldozers</li> <li>- Skills</li> </ul> <p>Having an immediate action plans in case something happens</p> <p>Increase community knowledge: Education around the plan for action – fire department might have it (irrigation locations, etc.)</p>	<p>Community is happy with the result.</p> <p>For each community, they have a basic plan w/a map and a 1 pager on resources. Knowledge of fire line.</p> <p>Central knowledge/ location/ resource so community knows where to get information.</p> <p>Can see results after the fire.</p> <p>Centralize location for “showing” neighborhoods who have adopted firewise measures.</p> <p>Have buffers in place, agreement in place to put buffer in.</p> <p>Coordination with Emergency management</p>	<p>Immediate:  Firewise program education to homeowners.</p> <p>Mid-term:  1-pager and plan – sharing w/community and digestible for regular plan</p> <p>Longer term:  Buffers in place</p>	<p>Chelan County Community Development Department  Individual city planning and building departments</p> <p>Emergency management team – fire dept, sheriffs, firewise leads</p> <p>Aux land owners in a given area (to decide on buffers)</p> <p>Conservation districts</p>	<p>\$\$\$: Incentives, especially for upgrading existing structures for greater fire resilience  \$: Staff</p> <p>Insurance companies – could they help fund.</p>

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			people – and other government.  Program to let individuals know about actions, expectations.			
<b>Group 4: Develop fire safe places (generally)</b>	Identifying safe places in each community (e.g. libraries, post offices, fair grounds – community dependent)  Knowing where to evacuate  Example reference: <a href="https://cpaw.headwaters.economics.org/project/chelan-county-washington/">https://cpaw.headwaters.economics.org/project/chelan-county-washington/</a> <a href="https://www.lwfr.org/go-kit">https://www.lwfr.org/go-kit</a>	Identifying safe places  Outreach  Invest to improve these spaces/avoid development  Identify “trigger” events – provide information with permits or other similar actions	Updated evacuation plans throughout the county  Evacuation plan communicated to and understood by both residents and visitors (signage, similar to tsunami signage, but more focused on communities, starting at neighborhood-scale) – physical signs that can be modified during events, use technology, url – for broader communication to recreational users	For planning and physical signage – Medium (1 yr?)  For digital components – Short (6 months?)	Chelan County Emergency Management  Fire responders  County public works & State DOT – roads, right of ways  Community Groups – Fire Adaptive & Fire Wise  U.S. Forest Service	\$: Staff  Interactive map development
<b>Group 4: Develop fire safe places in fire prone areas with wildland urban interface policies and codes</b>	Going from the state mapping wildland-urban interface to proposed code  Outreach to the building community on cost and benefits of building to the WUI code in fire prone landscapes (NC Building Association)	Community Planning Assistance For Wildfire Program (2018 CPAW Report)  Identify conflicts in WUI Code with county codes – Tracking State’s (WA DNR) progress  Managed development (codes and policies) – wildland-urban interface code implemented county-wide (or at the state level?)	Chelan County Commissioners passing WUI Code (may depend on change in state law – state is getting close)	Pending a state determination on WUI  Long Term – at least two to four years for Chelan County to go through planning commission process and vote-in (if there is support to get through the legislature)	Chelan County Community Development Department Individual city planning and building departments	\$\$\$: Incentives, especially for upgrading existing structures for greater fire resilience \$: Staff  Support for community buy-in
<b>Group 1: Create fire adapted communities</b>	<ul style="list-style-type: none"> <li>Need resources to support local fire adapted communities. Create Hub – neighbors teaching others and</li> </ul>				<ul style="list-style-type: none"> <li>Chelan County (with many local and regional partners)</li> <li>Fire Departments</li> <li>Individual landowners</li> </ul>	\$\$\$: Funding to implement mitigation goals \$: Education and outreach surrounding resources available to individual

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	expanding outward to larger areas (education on what a fire adapted community is),				<ul style="list-style-type: none"> <li>Community Based Organizations</li> <li>WA Fire Adapted Communities Network</li> <li>Chumstick Coalition</li> </ul>	landowners for building local fire resilience (e.g., fuel reduction)
<b>Group 4: Create fire adapted communities</b>	Lake Wenatchee Fire Adapted Community – use as a model to develop a coordinated plan for each community  <a href="https://www.lwfr.org/fac-partners">https://www.lwfr.org/fac-partners</a>  <a href="https://www.fireadapted.washington.org">https://www.fireadapted.washington.org</a>  Assess fire adapted planning models. <ul style="list-style-type: none"> <li></li> </ul>	Identify stage in planning/implementation process for each community  Evaluate/apply lessons learned in other communities  Leverage existing communication channels where community members are already getting their information	All communities have a adaptive organization and plan customized for their local needs.	Medium: 6-12 month	Chelan County (with many local and regional partners) Fire Departments <ul style="list-style-type: none"> <li>Individual landowners</li> </ul>	\$\$\$\$: Funding to implement mitigation goals \$: Education and outreach surrounding resources available to individual landowners for building local fire resilience (e.g., fuel reduction)
<b>Group 5: Create fire adapted communities combined with No. 1 - building awareness</b>	1.Perform Community SWOT/exercise  2. Education with underlying science (what and why)  Consider 1&2 as a broad education and awareness effort  3. Community level planning at the right level (possibly neighborhood level)  4.Include diverse communities and ensure local issues are understood by those that are new to the area or bring their own traditions and cultural practices (cause and effect/action)	<ol style="list-style-type: none"> <li>Gather the data</li> <li>Understand our communities (people)</li> <li>Focus on neighborhoods, do not work at too high of a level</li> <li>Avoid the politics of the issues</li> <li>Educate the kids</li> </ol> Hold the meetings		Some aspects can be and should be done quicker, but overall 1-2 yrs	Chelan County (with many local and regional partners) Fire Departments Individual landowners  Schools  Municipalities and councils  Major employers  Port District  PUD  NGOs and community support groups (service groups)  Chambers  CD land trust  Tribes	\$\$\$\$: Funding to implement mitigation goals \$: Education and outreach surrounding resources available to individual landowners for building local fire resilience (e.g., fuel reduction)



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	<p>5. Recovery as part of adaptation – mechanisms to raise the needs awareness (Include in the education and related exercises.</p> <p>6. Get the \$\$\$ to act and to do the eventual works</p> <p>7. And coordinate across the county</p>					
<b>Protect critical facilities (also see flooding)</b>					Chelan County Cities Chelan PUD & Other Utilities School Districts Fire Districts	\$\$\$: Funding to implement improvements
<b>Group 2: Coordinate ecological recovery programs for areas subject to fire in forested and shrub-steppe lands</b>	<p>1. collect seeds and plants from that area in advance to aid in recovery. (already happening in a limited way)</p> <p>2. inventory of species (animal and plant) in specific areas.</p> <p>3. developing a list of priority recovery/rehab areas - topics as a community.</p> <p>4. encourage rebuilding using firewise strategies.</p>	<p>Inventory of existing species</p> <p>Collect seeds and plants from the area – there is a company in chelan co?</p> <p>Inventory of existing - actions for this so know who is doing what.</p> <p>Look at wildfire impacts on fish/streams</p> <ul style="list-style-type: none"> <li>- Sedimentation</li> <li>- Temperature</li> </ul> <p>Look at actions you can take post fire.</p> <p>Monitor fish populations.</p> <p>For wildlife – provide assistance over winter (protect orchards as well)</p> <ul style="list-style-type: none"> <li>- Guidance on what is <u>helpful</u> and funding sources.</li> </ul>	<p>Timing to do restoration efforts is shorter</p> <p>Able to use native plants for restoration.</p>	<p>Immediate:</p> <ul style="list-style-type: none"> <li>- Seed program</li> </ul> <p>Mid-term</p> <ul style="list-style-type: none"> <li>- Priority planning – going into long term</li> </ul> <p>Long Term</p> <p>Actual restoration</p>	<p>USFS  WDNR  WDFW  Conservation District  Chelan Co. Natural Resources Department</p> <p>Company in chelan county that already does native plants – can we partner</p> <p>Environmental non-profits who are already doing restoration work</p> <ul style="list-style-type: none"> <li>- Trout unlimited</li> <li>- Rocky Mt Elk Foundation</li> </ul> <p>Ag:  Orchard owners to minimize damage  Funding for restoration.</p> <p>WSU – tree fruit research</p>	<p>\$\$\$: Planning and Reserve funding</p> <p>Look at roles for funding ideas.</p>

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					WA State Tree Fruit Association plus other food associations - Wheat - Cattleman's - Tree fruit  Chelan Douglas Land trust	
<b>Group 3: Coordinate ecological recovery programs for areas subject to fire in forested and shrub-steppe lands</b>	<p>Education and work around how forest health = community health. Thinning and prescribed burn has input all down the chain with regard to streams, health of people, GHG emissions mitigation and prevention.</p> <p>Turn thinning and forest health work into economic benefit.</p> <p>Need to talk more about restoration projects in the context of climate resilience. If we do this other work, it will be good for climate resilience, however we don't currently approach a project in the context of climate resilience goals.</p> <p>Lots of work currently happening.</p>	<p>How could the Round Table support first steps?</p> <ul style="list-style-type: none"> <li>• People and orgs are currently working in this realm: North Central WA Forest Health Collab., 5-yr work plan.</li> <li>• Chumstick working on this in Leavenworth/ Chumstick area, Stemilt working as well</li> </ul> <p>Are efforts going well? / What would we like to see?</p> <p>DNR is big player in this area, work strongly in forest health area along with FS in Chelan County. Chelan is one primary area for forest treatment.</p> <p>Collab. With Nason Ridge Community Forest.</p> <p>Where is the explicit collaboration between local/state/fed agencies and other organizations working in the sphere? They are doing the on the ground work and could be doing the best job of coordinating efforts /</p>	<p>No current metrics setup that helps to measure success in terms of GHG mitigation or climate resilience.</p> <p>Are we missing what we need to know about fire and shrub-steppe habitat? Can be just as high impact as crown-driven forest fire.</p>	<p>Key first step: get Round Table established.</p>	<p>USFS            WDNR            WDFW            Conservation District            Chelan Co. Natural Resources Department</p> <p>WAFAC</p> <p>North Central WA Forest Health Collab.</p> <p>More and explicit connection between the orgs working on this?</p> <p>Work with builders and new residents, could be front line outreach for dissemination of all sorts of educational materials around wildfire risk, related to ecology of the area and otherwise.</p> <p>Could the Round Table be the driver of more coordination between all the agencies and organizations? How do we leverage this implementation effort to fill in the gaps and not duplicate efforts.</p>	<p>\$\$\$: Planning and Reserve funding</p> <p>Resources for coordination between the many efforts underway.</p> <p>Lack of capacity and resources to push this sort of coordination work. People are tapped out.</p>

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		avoiding redundant efforts.  Wenatchee Pilot Project...environmental assessment for entire area, example of place where orgs are coming together.				
<b>Group 2 and 3: Monitor exotic and invasive species on resource and natural lands and prioritize protection and enhancement of such areas</b>	Existing program and mapping in chelan county – state agencies have this.  Get state agencies to share their info.	Find and educate people on existing data.	First we need to know the extent and structure of ecological communities that already exist (strong cheatgrass hold, forests with ladder fuels, etc). This is needed to help target and prioritize actions accordingly. Must return to forest structure that is consistent with forest that has structure of natural fire regime.		USFS WDNR WDFW Conservation District Chelan Co. Natural Resources Department Chelan Co. Noxious Weed Board	\$\$: Funding to implement improvements
<b>Group 5: Continue to build partnerships across agencies and broader groups including the public to monitor and respond to climate changes and vulnerabilities in forested and shrub-steppe lands)</b>  <b>Highlighted text added</b>	1. Identify the partners and their drivers and motivations and vulnerabilities  2. Identify any MOUs etc. partnerships 3. Better understand of each partners interest/missions  4. share information amongst the partners and public (more information sharing with the public)			Yes – 2 years	USFS Bureau of Reclamation NRCS WDNR WDFW Conservation District Chelan Co. Natural Resources Department	\$: Staff resources to develop and maintain partnerships
<b>Group 1: Proactively address fire resiliency through activities such as: pre-fire monitoring, maintenance/forest treatment, thinning, prescribed fire, and managed natural fire</b>	<ul style="list-style-type: none"> <li>Fuel reduction</li> <li>Risk assessment – mapping high risk areas</li> <li>Need thinning prescription for properties.</li> </ul>				USFS (federal lands) WDNR (state and federal lands) Chelan Co. Fire Marshall Fire Districts Cascadia Conservation District (private lands)	\$\$\$: Program development and ongoing implementation Risk assessment mapping Support homeowner risk assessments and prescriptions  Sources:

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<b>Set priorities for to implement fire resilience activities (Collaborative)</b>	<ul style="list-style-type: none"> <li>• Organization to carry out prescriptions.</li> <li>• Need trusted entities to do this.</li> <li>• Need funding source.</li> </ul> Need woodchippers that can be used to reduce fuels, rotated around communities. Chipping can be easier to accomplish than burns.				Chelan County Natural Resource Dept (private lands) WSU Forestry Extension – programs for developing prescriptions on private land Chumstick Coalition	WA state Emergency Management Dept. – hazard mitigation funding for fire
<b>Group 2: Proactively address fire resiliency through activities such as: pre-fire monitoring, maintenance/forest treatment, thinning, prescribed fire, and managed natural fire</b>	<ul style="list-style-type: none"> <li>- Access and road maintenance – to get to protections</li> <li>- stream protection – forest road maintenance supports streams</li> <li>- Implement programs for individual property owners to decrease likelihood of burning.</li> <li>- FireWise groups in neighborhoods on urban boundaries. Partner with fire department (organized burn)</li> <li>- Effectively managing growth – more people are wanting to build in wildfire areas (building an area at mission ridge)</li> <li>- Share information from agencies on planned actions so community can support. Including cross agency and cross landscape development.</li> </ul> ** should be done in partnership using the 83% of state owned land, less reg, more voluntary. ** need to inform people what is available to manage their property.	Access and road maintenance – roads are in such poor maintenance <ul style="list-style-type: none"> <li>- Inventory of roads that are maintained and those that are passable.</li> <li>- Put together a maintenance program to fight fires. (some already started)</li> </ul> Identify what has been thinned already <ul style="list-style-type: none"> <li>- Make sure science based</li> </ul> Stream protection – related to above. <ul style="list-style-type: none"> <li>- Inventory of streams and how roads are impacting them.</li> </ul> Programs for individual property owners and effectively managing growth <ul style="list-style-type: none"> <li>- Look at where growth is happening (Mission Ridge)              Ask the ? – where is it best for chelan county, ecology vs growth?              How to balance.</li> </ul>	<ol style="list-style-type: none"> <li>1. Number of individual landowners reached or coordinated with.</li> <li>2. Intensity of fires has gone down.</li> <li>3. grant funding across different ownerships in conjunction with the community approach.</li> <li>4. having inventories that are up to date.</li> <li>5. If people are building, they have taking actions to decrease risk.</li> <li>6. not to see entire communities burn.</li> <li>7. Not having as much of a negative impact on wildlife (sage grouse, etc.)</li> </ol>	Short term: <ol style="list-style-type: none"> <li>1) Find out what programs have worked and tap into those.</li> <li>2) Make the inventories.</li> <li>3) Identify what has already been thinned.</li> <li>4) Need to start talking about <u>funding</u> to do work. (maintenance is key)</li> </ol> Mid-term <ol style="list-style-type: none"> <li>1) Get science info</li> <li>2) ID priority areas for each area/community.</li> </ol> Longer term <ol style="list-style-type: none"> <li>1) Program implementation w/community members</li> <li>2) Do the work to educate and do thinning exercise to reduce intensity.</li> </ol>	USFS <u>WDNR – emergency management system</u> Chelan Co. Fire Marshall Fire Districts  Talk to: Elected officials not from legislative district  Agriculture <ul style="list-style-type: none"> <li>- Farm Bureau can take on projects to help</li> <li>- High schools, 4H</li> </ul> Washington State parks  WSU Ag center in Wenatchee  WA Dept FW – fire plans  Chelan County – has taken on a role.  Conservation districts can help with firewise and landowner planning.	\$\$\$: Program development and ongoing implementation  Grant writing Reach out to elected officials Mike Kaputa Cost Sharing model – thinning where logs go to pay for logging – (Ben Alworth)  Can environmental groups funds – sierra club, foundations, etc?

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		<ul style="list-style-type: none"> <li>- Explore the possibility of creating a buffer, water can protect neighborhoods.</li> <li>- Orchards next to development can create a buffer.</li> <li>- Streams provide buffers as well.</li> <li>- Education – such as the firewise program, DNR small landowner program.</li> <li>- Create a whole community approach <ul style="list-style-type: none"> <li>- Incentivize small landowners</li> </ul> </li> </ul> <p>Share information from agencies on planned actions</p> <ul style="list-style-type: none"> <li>- General info on buffers, strategies</li> <li>- Upcoming road and access work.</li> <li>- More community meeting on planning – landscape level effort.</li> </ul> <p>** Need to include agriculture. (e.g. group in lake Wenatchee)</p>				
<b>Group 3: Air quality: education, training, and responses to protect people and communities during and after wildfire</b>	<p>Lake of education around correlation between smelling smoke and impacts of heavy smoke.</p> <p>More awareness and education around actual health impacts vs perceived health impact.</p> <p>Ongoing effort: Link to Air Quality Index and description of how the AQI works. Describe how</p>				<p>Washington Department of Ecology Central Regional Office  Chelan-Douglas Health District  Organizations serving vulnerable populations  Local Chambers of Commerce (Lake Chelan, Leavenworth, Wenatchee)  More interest as of late from the chambers in addressing smoke related issues. Could be good</p>	<p>\$\$: Staff resources to plan and respond</p>

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	<p>some groups are more affected and how many people need to stay indoors (e.g. children, compromised respiratory health, etc.). Link to how to project your health, put out info via social media (Instagram stories, facebook, link to in Wenatchee world)</p> <p>Important to note: FS Research Station, good information on smoke...there's smoke during prescribed burns as well as during wildfires. It's a consequence of multiple fire types. Good discussion of nuts and bolts of wildfire, and how important prescribed burns will be if we want to control any part of the wildfire season.</p> <p>Chelan County is in a bubble in the sense the local community is fairly educated about wildfire risk, but outsiders not so much. Strong disconnect between people who come and use public land in the county and how risks around climate change and wildfire affect the county. Short term rentals and outside influence results in people using the county as a vacation area, and are uneducated about how their use can affect the</p>				<p>place to get information out, and garner support for smoke/air quality related initiatives. Strong connection to other organizations who could also partner.</p>	

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	land and the local community.					
<b>Group 4: Air quality: education, training, and responses to protect people and communities during and after wildfire</b>	Sources of Air Impacts: -Burning (orchard pruning) -Controlled burns to manage fire fuels (state and federal regulations provide little flexibility) -Backyard burning (trash, green stuff that could be composted) -Wildfire  Cleaner Air Shelters? -Homeless -Vulnerable Populations	Evaluating alternatives to burning - way to further incentivize chipping (Cascadia Conservation District coordinates) and composting rather than burning (could the county provide removal?)  Highly politicized topic (competing interests) – focus on economic incentives rather than environmental or public health messaging?  Taking an inventory of existing cleaner air shelters. Are they sufficient?	Some is beyond our control – dependent on wildfires.  Creation of smoke from within the County.  PPE (masks) are available and used by community members, or clean air shelters available.		Washington Department of Ecology Central Regional Office Chelan-Douglas Health District Organizations serving vulnerable populations Cascadia Conservation District	\$\$: Staff resources to plan and respond  Funding to increase capacity to coordinate efforts the promote/provide alternatives to burning

## Topic Area: Water Resources: **Snowpack & Streamflow**

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<b>Group 1: Collect local data to support climate resiliency including weather stations/SNOTEL, seasonal wind patterns, etc</b>	<ul style="list-style-type: none"> <li>-Find existing data sources to leverage (this data exists and goes back to 1952 @ Stevens Pass).</li> <li>-Increase snow observation stations/monitoring at lower elevation sites.</li> <li>-Increase coverage of SNOTEL sites (ideally something in every drainage – low, mid, high elevations; piggy-back (AgriMET stations))</li> <li>-Identify where the freezing level is – where does the snowpack stay and store water through the winter (use this to generate trends).</li> <li>-Locate where the persistent snowpack is through the region.</li> <li>-What time of year is the start and end times of the snowpack (starting later; melting out earlier).</li> <li>-Streamflow obs./gauges could be used to validate SNOTEL obs. through correlations w/ low &amp; high streamflow patterns. Also can get stream temp data from these gauges as well.</li> <li>-For other jurisdictions who have expanded observations; what were their lessons learned? Avoid re-inventing the wheel.</li> <li>-Support work for the permitting process of installing new stations.</li> </ul>	<p>Step 1. What is the best data to represent what we are interested in – (there are so many different metrics to evaluate [e.g., SWE, freezing line, extent] – what will best serve our needs?)</p> <p>Step 2. Check-in with other jurisdictions/groups who have expanded SNOTEL data collection (for specific metric identified in step 1) – what lessons were learned? Things to avoid? Definitely check-in BC</p> <p>Simultaneously – identify Streamflow obs./gauges could be used to validate SNOTEL obs. through correlations w/ low &amp; high streamflow patterns. Also can get stream temp data from these gauges as well.</p>	<ul style="list-style-type: none"> <li>-Predictive models are based on verifiable data (quantitative comparing to BC's program).</li> <li>-As we make changes in the watershed; those decisions are based on data, not assumptions.</li> </ul>	<ul style="list-style-type: none"> <li>-Funding &amp; environmental permitting will be required and this will take time. (estimate is 5 years).</li> <li>-Installing lower elevation sites; piggy-back on existing monitoring sites</li> </ul>	<ul style="list-style-type: none"> <li>-Natural Resources Conservation Service (NRCS)</li> <li>-NWAC – northwest avalanche center</li> <li>-UW Atmospheric Sciences</li> <li>-University of Nevada (RENO) – specifically for expanding snow science observations</li> <li>-E.g., Red Mtn Pass in CO (State DOTs that keep winter passes open year round)</li> <li>-British Columbia Ministry of the Environment (<a href="https://www2.gov.bc.ca/gov/content/environment/air-land-water/water/water-science-data/water-data-tools">https://www2.gov.bc.ca/gov/content/environment/air-land-water/water/water-science-data/water-data-tools</a>)</li> <li>-Inter-organizational working group. This will need to be led by someone (TBD). [Bring together various irrigation districts / PUDs – folks who would be interested in having good obs data upstream of where they are]</li> <li>-Permitting agencies (Fed, State, Local)</li> <li>-Forest Service &amp; Large Forest Landowners – these might be locations for obs stations, and will need permission. Will need to go through NEPA for permitting.</li> </ul>	<p>\$\$: Funding for infrastructure improvements</p>



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<b>Group 2: Collect local data to support climate resiliency including weather stations/SNOTEL, seasonal wind patterns, etc</b>  <b>Add streamline data gathering amongst organizations to this strategy</b>	<ol style="list-style-type: none"> <li>1. Collect data in forested areas near SNOTEL sites to provide a comparison</li> <li>2. Management tools that uses local data to help with forecasting and managing the water</li> <li>3. Develop a SNOTEL site in the Alpine Lakes wilderness and other locations TBD</li> </ol> <p>Form a technical committee comprised of agencies collecting data to identify what is collected and what gaps need to be filled and provide an accessible repository</p>	<ol style="list-style-type: none"> <li>1. Identify steps to add SNOTEL sites and identify potential sites and funding sources: Collect current data sources (Natural Systems Designs doing this work)</li> <li>2. Understand baseline of existing data, agree to purpose of tools and objectives/missions: Identify existing water management tools (Okanagon river BC water management tool, Snow 2 flow – UCSRB tool)</li> </ol> <p>Identify representatives from key agencies and develop (find) data sharing agreements. Check with the Icicle working group if they have a model we can use.</p>			CO Natural Resources Conservation Service (NRCS)  NOAA  USGS  USFS  ECY  WA DNR  Chelan PUD  UWCIG  Nature Cons.  TU  Irrigation Districts	\$\$: Funding for infrastructure improvements
<b>Group 1: Identify and support data collection opportunities to quantify forest management effects on snowpack in order to support development of forest-snow-streamflow model.</b>	- Explore potential of LiDAR technology for snow depth data. This data could be fed into the model.				Chelan Co. Natural Resources Department WDFW USFS (and other fed. Agencies)	\$: Initial funding for identifying data needs; \$\$: Funding to implement data collection
<b>Group 1: Encourage watershed-scale community building to adapt to changing streamflow and snowpack within the watershed. For example:</b> <b>Irrigation efficiencies and returning diverted</b>	-(On-going w/ County Poison Canyon Mission Creek) In logged areas or areas w/ floodplain incision & disconnection – complete eluvial projects, beaver dam analogs doing these to reconnect the floodplain, increase level of sediment behind	Step 1. Community engagement, awareness building, and outreach that communicates the multi-benefits of these actions (this is on-going w/ in the County; 1-pager about doing BDAs on private property likely exists). Explore other	-Have more pilot projects on the ground that we can leverage and reference, and learn from. -Seeing compounding benefits for years after these projects have completed (even if only a few percentage points on streamflow / year).	-Pre-monitoring (took about 1-year from Poison Canyon); from start to finish (pre-monitoring to seeing results, takes about 2-3 years)	Chelan County Chelan PUD UWCIG WDNR Cascadia Conservation District (working with private land-owners) Confederated Colville Tribes Forest Service	\$\$\$: Funding to develop climate resilience strategies that leverage watershed plans

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<p><b>water back into streams during critical flow periods.</b></p> <ul style="list-style-type: none"> <li>• <b>Forestry practices and riparian enhancement that improve water-holding capacity and reduce stream temperatures.</b></li> <li>• <b>Critical areas restoration to maintain or reduce stream temperatures, and restore flow patterns.</b></li> <li>• <b>Management of invasive or non-native aquatic species that thrive in warmer waters.</b></li> <li>• <b>Prioritization of water use as snowpack decreases</b></li> </ul>	<p>BDAs. These increase baseflows (small % increases), however, over a larger scale this could make a big difference. Store water in groundwater, later into the water year; this would also give cooler stream temps later into the year.</p> <ul style="list-style-type: none"> <li>-Ensure we continue to develop / support pilot projects of these events, to reference and leverage for examples of success.</li> <li>-Engage with local landowners who own property with riparian habitat.</li> <li>-Reduce stream temperatures via riparian planting (shading).</li> <li>-Explore population control measures for riparian herbivores (do damage to saplings, etc. – straightening rivers out over time). Predator-prey interactions.</li> </ul> <hr/> <ul style="list-style-type: none"> <li>-Irrigation efficiencies – NRCS administers an Irrigation Efficiencies Program.</li> <li>-US Bureau of Rec has a water smart grant program – potentially leverage this.</li> </ul> <hr/> <p>Prioritization of water use – check-in with other basins (e.g., Yakama Basin) who have done this work.</p>	<p>options of more engaging media outreach materials (e.g., short video).</p> <p>Step 2. Form a working group to ensure that progress is made on these various steps, and that different entities can check-in with one another to ensure progress.</p> <p>Step 3.</p>	<ul style="list-style-type: none"> <li>-Reduction in the frequency and intensity of floods downstream.</li> <li>-We maintained or increased water availability for water rights holders.</li> </ul>		<p>North Central Washington Forest Health Collaborative Yakama Nation</p>	

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<p><b>Group 2: Encourage watershed-scale community building to adapt to changing streamflow and snowpack within the watershed. For example:</b></p> <ul style="list-style-type: none"> <li>• Irrigation efficiencies and returning diverted water back into streams during critical flow periods.</li> <li>• Forestry practices and riparian enhancement that improve water-holding capacity and reduce stream temperatures.</li> <li>• Critical areas restoration to maintain or reduce stream temperatures, and restore flow patterns.</li> <li>• Management of invasive or non-native aquatic species that thrive in warmer waters.</li> </ul> <p><b>Prioritization of water use as snowpack decreases</b></p>	<ol style="list-style-type: none"> <li>1. Information on stream flows and snow pack for uses such as to assist with wildfire education and overall “community building” :</li> <li>2. Outreach to different groups already functioning to use their networks. (Voluntary Stewardship program by Chelan CO could be used to meet this objective – and can be broadened and TU programs):</li> <li>3. Improve collaboration amongst existing groups and identify needs and gaps such as Watershed PUs, Forest Health Collaborative:</li> </ol> <p>Reaching out to community members to determine what is important to them and what they need and want, and are willing to do</p>	<ol style="list-style-type: none"> <li>1. Outreach Action Plan, who, what etc. that could be engaged on the community building effort</li> <li>2. Develop/ a model information sharing agreement to be used by groups</li> <li>3. Connect with the NCW Forest Health Collaborative on these issues</li> <li>4. Needs assessment of the community and identify the best avenues to connect with the community (community organizations) and what is off the table:</li> <li>5. Look into grant opportunities for water conservation devices etc.</li> <li>6. Education materials and message development but need to focus the right message</li> </ol> <p>Why this matters – why we just can’t use the Columbia River to get more water to the area.</p>			<p>Chelan County NRD</p> <p>Chelan PUD</p> <p>UWCIG</p> <p>WDNR</p> <p>Conservation Service (NRCS)</p> <p>NOAA</p> <p>USGS</p> <p>USFS</p> <p>ECY</p> <p>WA DNR</p> <p>Chelan PUD</p> <p>UWCIG</p> <p>Nature Cons.</p> <p>TU</p> <p>Irrigation Districts</p> <p>Cascadia Con</p> <p>NCW Forest Health</p> <p>Cascadia Fish Enhancement</p> <p>UCSRB</p>	<p>\$\$\$\$: Funding to develop climate resilience strategies that leverage watershed plans</p>

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<b>Group 1: Promote and encourage water efficiency and conservation</b>	<ul style="list-style-type: none"> <li>-Explore potential of greywater use in the County (irrigation water potential here...)</li> <li>-Rainwater catchments systems, instead of relying of city water / reservoir use.</li> <li>-Green-landscaping / low water use yards (e.g., rock-gardens, or drought-adapted gardens).</li> <li>-Tiered rate structures for water use (this would enable water rights to be offered to more people). Develop incentives to restrict water uses. This is for the separate irrigation water system.</li> <li>-Use it or lose it water rights don't incentivize water conservation.</li> </ul>				Chelan Co. Natural Resources Department Chelan PUD Conservation District Irrigation Districts Municipal Service Providers Agricultural Producers	\$\$\$\$: Funding for infrastructure improvements \$\$\$: Funding for agricultural conservation practices
<b>Group 2: Reduce impacts of climate change to aquatic systems through stream-habitat improvement and connectivity</b>	<ol style="list-style-type: none"> <li>1. CAFÉ would like more information on this subject</li> <li>2. Work collaboratively and on a landscape level</li> <li>3. This strategy may also be part of the implementation phase of the issues discussed above</li> <li>4. Significant overlap with other venues on this strategy so we need to cross walk efforts to affect this strategy</li> </ol> Identify pinch points for improving habitat and aquatic systems – where are salmonids using systems and where degradation is located				Chelan Co. Natural Resources Department Chelan PUD Conservation District WDNR WDFW Non-Governmental Organizations	\$\$\$\$: Funding to implement watershed and habitat plans



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	Info included in the flood control district plan.					
<b>Protect and upgrading or relocation of vulnerable critical facilities locations vulnerable to flooding</b>  <b>Need to address toxic or potentially toxic locations – Underground storage tanks (EPA tool that overlays) and hazardous waste site.</b>	Assess current state of vulnerable infrastructure <ul style="list-style-type: none"> <li>- Make a plan for moving or protecting the infrastructure</li> </ul> Chelan County Public Works List – make it public – flood control districts  Review Stormwater Management Plans – City of Wenatchee  Take Actions to reduce flooding <ul style="list-style-type: none"> <li>- E.g. #1 Canyon</li> </ul> Comprehensive plan to upgrade stormwater system –  Try to avoid putting infrastructure in floodways. (not create infrastructure to protect infrastructure)  Avoid new development in floodplains.	Check with public works department which are the most vulnerable.  Prioritize areas and help facilitate implementing projects.  Don't build in floodplains  Explore opportunities to remove infrastructure and vulnerable facilities from floodplain.  Remove private landowners from floodplain.- very limited but maybe evaluate where being repeatedly impacted by flooding.  Avoid constant band-aid approach.	Facilities that have been identified as vulnerable and chronically impacted are not being impacted.	Immediate: <ul style="list-style-type: none"> <li>- Assessment and plan</li> <li>- Share assessment with a broader range of stakeholders</li> </ul> Implementation: Mostly long term	Chelan County Cities Chelan PUD School Districts Fire Districts Telecommunication Providers  Corps of Engineers Businesses (because highly impacted) – schools tend to be up higher.  People at the bottom of the hill  Sewage treatment plant.	\$\$\$: Funding to implement improvements  People at the bottom of the hill  FEMA – hazard mitigation  Floodplain by design program – get houses out of floodplain. – WA Ecology  FEMA BRIC funding
<b>Revise transportation infrastructure:</b> <ul style="list-style-type: none"> <li>• Improve transportation infrastructure where needed, e.g., enlarging road crossings</li> <li>• Remove or redesign roads that disrupt floodplain function or intercept precipitation</li> </ul>	<b>Analyze the road network in the county –</b> identify road and road infrastructure <ul style="list-style-type: none"> <li>- <b>Prioritize</b> the worst of the worst and mitigate.</li> <li>- <b>Some of this is known.</b></li> </ul>	<b>Analyze the road network</b> Review WA State Dept of Infrastructure Road chronic deficiency program	Projects are coming off the chronic deficiency program. <ul style="list-style-type: none"> <li>- Fewer impacts to infrastructure, homes and private property.</li> </ul> Substantive long term fixes – not Band-Aid.	Long term	Chelan Co. Public Works Cities Public Works WSDOT - chronic deficiency program  Federal Highways Administration  Chelan Douglas regional transportation council.	\$\$\$: Funding to implement improvements  Federal highways  Federal climate change funding – mitigation funding.  Chelan Douglas regional transportation council.

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<b>and ground water and accelerate its movement into stream systems</b>	Figure out fixes –					?? Salmon recovery \$ - leverage fish passage?? (not sure it is totally appropriate for this purpose)
<b>Plan for post-flood restoration. Replant bare, disturbed, and recently burned areas to increase infiltration and slow movement of water. Provide restoration to stabilize ecosystems</b>	<p>Mitigate for action post flood – do significant mitigation for actions that happen during the flood.</p> <p>Post flood issuance HPA to evaluate emergency actions and require mitigations</p> <p>Provide support for homeowners/businesses to respond and create long-term fix</p> <ul style="list-style-type: none"> <li>- Address driveway crossings for private homeowners – drivable access for emergency and homeowner access.</li> <li>- Support for navigating the permitting world.</li> </ul> <p>Ensure native – look at how things are impacting the fish habitat.</p> <p>Look at roads and other critical infrastructure up front (see other items in this list)</p>	<p>Issue emergency HPA</p> <p>Post flood issuance HPA to evaluate emergency actions and require mitigations</p> <p>Provide resources for homeowners and businesses (post emergency) regarding actions, permitting, etc.</p> <p>Engineering support – bank stabilization and water crossing design – homeowners, businesses – to follow-on from other technical support (NRCS engineers may be able to help).</p> <p>Trying to figure out what thins are compliant before a disaster happens.</p>			<p>Chelan Co. Natural Resources Department  Conservation District  USFS  WDFW  WDNR</p> <p>NRCS may be able to assist to engineering/support.</p>	<p>\$\$: Planning, and Reserve funding</p>

<b>Strategy</b> <i>From the Chelan County  Action Plan</i>	<b>Key Actions</b> <i>Actions should contribute to  success of a goal and be  SMART: Specific, Measurable,  Achievable, Relevant and  have a time-frame.</i>	<b>First steps:</b> <i>What are actions that need to  be taking in the next 3-5  months to ensure this action  gets taken?</i>	<b>How will we know  success?</b> <i>Think about metrics, numbers  that are feasible and  reasonable to track. Think  qualitative and quantitative.</i>	<b>Time-frame</b> <i>Short 0-6 Months  Medium 6-12 Months  Long 1-2 Years  (Feel free to adjust these as  needed)</i>	<b>Lead and Supporting  Rolls</b> <i>Who is the primary responsible  organization or person, or for  following up to find a good  lead role?</i>	<b>Cost and  Implementation  Resources</b> <i>Brainstorm financial costs and  human resource needs even if  a source is yet unknown.  Brainstorm existing or possible  sources.</i>
	Identifying areas where flooding is appropriate and make sure those areas are “flood” ready.					



Topic Area: Water Resources: **Water Supply**

<p><b>Strategy</b> From the Chelan County Action Plan</p>	<p><b>Key Actions</b> Actions should contribute to success of a goal and be SMART: Specific, Measurable, Achievable, Relevant and have a time-frame.</p>	<p><b>First steps:</b> What are actions that need to be taking in the next 3-5 months to ensure this action gets taken?</p>	<p><b>How will we know success?</b> Think about metrics, numbers that are feasible and reasonable to track. Think qualitative and quantitative.</p>	<p><b>Time-frame</b> Short 0-6 Months Medium 6-12 Months Long 1-2 Years (Feel free to adjust these as needed)</p>	<p><b>Lead and Supporting Rolls</b> Who is the primary responsible organization or person, or for following up to find a good lead role?</p>	<p><b>Cost and Implementation Resources</b> Brainstorm financial costs and human resource needs even if a source is yet unknown. Brainstorm existing or possible sources.</p>
<p><b>Group 1: Develop rural water management through water budgets, exempt well tracking, voluntary metering, water banks, water markets, or other measures</b> (understanding how much water is being used for agriculture and domestic use where it is being used)</p>	<ul style="list-style-type: none"> <li>• Prioritization for assessing water use in areas where water use is most critical, where growth is occurring fastest, and where we expect climate impacts to be the most extreme.</li> <li>• Assessing/updating/upgrading metering for municipal systems</li> <li>• Assess non-municipal systems for where the water is being used and how much is being used.</li> <li>• Assess how much water conservation efforts (i.e. water banks) are needed</li> <li>• Understanding the overlap with agriculture water use and domestic water use, how does development change the water use? Often not known how much individuals are using water for domestic or irrigation use.</li> </ul> <p>Understand growers response and decision-making in terms of climate change pressures or other factors that affect decisions about what to grow (decisions that ultimately affect water use)</p>	<p>Start with prioritization that has already been done and identify where need is greatest based on expected climate change impacts. Emphasis is adding the climate change lens.</p>		<p>Long-term – recognizing Ecology and the cities are critical to this effort and has limited capacity.</p>	<ul style="list-style-type: none"> <li>• Dept of Ecology- Office of Columbia river, Water Resources Program (consider having them included in the round table)</li> <li>• Chelan County</li> <li>• Chelan PUD</li> <li>• Irrigation Districts</li> <li>• City of Leavenworth, Cashmere, Entiat, and Chelan</li> <li>• Other group municipal systems outside of the cities</li> <li>• Cascadia Conservation District (well tracking)</li> </ul> <p>Major growers</p>	<p>\$\$\$: Funding to implement watershed plans, well tracking program, and water bank</p>
<p><b>Promote increased water storage solutions that help agricultural</b></p>					<p>Chelan County Irrigation Districts</p>	<p>\$\$\$: Funding to implement watershed plans</p>

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<b>producers adapt to changing conditions and decrease production losses due to lack of water availability</b>						
<b>Group 2: Consider greywater systems and water re-use</b>	<p>Water contamination (e.g. microfibers)</p> <p>Look to the work of other communities (e.g. San Diego, Orange County/Irvine)</p> <p>Wildfires can mobilize contaminants and impact water infrastructure (sedimentation in reservoirs, flooding)</p>	<p>Gather (existing?) data on contaminants in water and what can be done to mitigate impacts (e.g. filtration?)</p> <p>Evaluate and identify opportunities for recycled water</p> <p>Public buy-in, education that greywater/re-used water is safe (from water providers)</p>	<p>Reduced chemical and physical contaminants in water supply. Improved public health.</p> <p>A portion of water is re-used (look to other communities for setting goal).</p>	<p>Long-term research and implementation</p>	<p>Chelan PUD  Municipal Water Providers  Irrigation Districts  University Researchers</p>	<p>\$\$\$: Funding to implement</p> <p>\$: Education/Outreach – both staff time and monetary</p>
<b>Group 1: Agricultural and municipal water conservation and efficiency efforts in watersheds where these conservations efforts can lead to overall decreases in water demand</b>	<ul style="list-style-type: none"> <li>Assess irrigation system and where leaks and pipe breaks are creating inefficiencies, assess how much water is being used for irrigation.</li> <li>Some irrigation districts already have conservation plans to reduce leakage and inefficiencies, provide support for these efforts that increases the way climate change is accounted for in those plans.</li> <li>Support and coordinate district conservation plans to have a drought and climate lens to those plans.</li> <li>Assess the cumulative impacts of conservation and efficiency across the basins (multiple</li> </ul>				<ul style="list-style-type: none"> <li>Municipal Water Providers</li> <li>Irrigation Districts</li> <li>Conservation Districts (active in supporting irrigation efficiency for individual growers)</li> <li>Trout Unlimited Chelan County</li> </ul>	<p>\$\$: Incentives, conservation practices</p>

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	areas) and for different uses of water – how does this add up to overall reduction in water use and greater resilience.					
<b>Group 2: Agricultural and municipal water conservation and efficiency efforts in watersheds where these conservations efforts can lead to overall decreases in water demand</b>	<p>Further investment in drip irrigations systems and, for orchards, dense spacing of trees</p> <p>Moisture sensors could be used (already being used in golf courses) to avoid overwatering</p> <p>New municipal development is water efficient (plumbing codes, water smart landscaping)</p> <p>Encourage xero-scaping (Moscow, ID as an example) – incentive payments to residents who employ xeriscaping practices</p>	<p>Education on water usage (especially related to fire prevention) and alternative landscaping techniques (e.g., xeriscaping) – PUD/Conservation District?</p> <p>Incentives for alternative low water use landscaping and/or indoor plumbing fixtures.</p> <p>Incentives for PUD to decrease non-revenue water (EPA Water Smart, WA State Conservation Commission Irrigation efficiencies, also available to producers but saved water goes into trust)</p>	<p>Lower individual water usage/bills</p> <p>County has an accounting of water usage by sector. County sets goals, and strategies for meeting goals, for decreased water usage.</p>		<p>Municipal Water Providers (PUD)  Independent Water Districts  Irrigation Districts  Cascadia Conservation District</p>	<p>\$\$: Incentives, conservation practices, investment in water infrastructure</p> <p>\$\$: Support for Education/Outreach (WA DOE may have funding)</p>
<b>Group 2: Drought planning to increase water conservation, plant drought-tolerant species, and build awareness around individual risk from drought</b>	<p>Salmon recovery board (watershed recovery, salmon recovery) – momentum exists</p> <p>Natural water storage (beaver dam, floodplain restoration)</p> <p>Soil Health (new tech/sprinkler systems &amp; orchard practices to retain organic matter and moisture) – WSU &amp; WSDA are good partners</p>	<p>Voluntary Stewardship Program (focused on irrigation projects &amp; areas)</p> <p>Partnerships with universities/research centers (WSU &amp; WSDA)</p> <p>Collaboration with the U.S. Forest Service, etc. (as well as downstream users – both Ag and Muni)</p>	<p>Metrics (water temps., fish count/health, etc.) improvements</p> <p>Increased resiliency to drought (fewer crop insurance payouts)</p> <p>County water rights are preserved (through banning transfer?, or outreach/education)</p>		<p>Chelan County  Cascadia Conservation District  Chelan PUD  Municipal Water Providers  Irrigation Districts  Agricultural producers  Residents  Organizations serving vulnerable populations  Upper Columbia Salmon Recovery Board  Yakama Nation  U.S. Forest Service</p>	<p>\$: Coordinator/staff</p> <p>\$\$: Incentives, conservation practices (State)</p> <p>\$\$: Implementation (e.g. alluvial water storage)</p> <p>\$\$: Research funding and partnerships</p>

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		<p>New water code for townships (in development? – check on status). Ensuring water efficient development downstream</p> <p>Water rights on properties (high value) are sold to off property users – preserve water rights within the county (tracking at WA DOE?) – use it or lose it, education around water rights, encourage preservation in trust?</p> <p>Forest restoration (public land &amp; include private forests in voluntary incentives)</p> <p>Snowpack storage (forest thinning to retain snowpack)</p> <p>Encourage adoption (Ag community is already educated, additional incentives are needed – matched funding, voluntary labor resources)</p> <p>Influence legislation with attached funding that increase investment in these efforts</p>			<p>WA Dept. Fish &amp; Wildlife  WSU  WA DOE  WA Farm Bureau</p>	

Topic Area: Public health and safety/Vulnerable populations

<p><b>Strategy</b> From the Chelan County Action Plan</p>	<p><b>Key Actions</b> Actions should contribute to success of a goal and be SMART: Specific, Measurable, Achievable, Relevant and have a time-frame.</p>	<p><b>First steps:</b> What are actions that need to be taking in the next 3-5 months to ensure this action gets taken?</p>	<p><b>How will we know success?</b> Think about metrics, numbers that are feasible and reasonable to track. Think qualitative and quantitative.</p>	<p><b>Time-frame</b> Short 0-6 Months Medium 6-12 Months Long 1-2 Years (Feel free to adjust these as needed)</p>	<p><b>Lead and Supporting Rolls</b> Who is the primary responsible organization or person, or for following up to find a good lead role?</p>	<p><b>Cost and Implementation Resources</b> Brainstorm financial costs and human resource needs even if a source is yet unknown. Brainstorm existing or possible sources.</p>
<p><b>Group 1: Assess the capacity of health systems to respond to emerging health and safety threats and to integrate climate preparedness into their hazard response plans and daily operations</b></p>	<ol style="list-style-type: none"> <li>1. Identify more health risks, such as people at higher risk, asthma, wetter climates resulting in more mosquitos</li> <li>2. Gather data (such as case loads) from past climate related events to guide us forward with health burden</li> <li>3. Assess status of capacity of current health system. Red Cross' capacity to house individuals and families. What has been done to date?</li> <li>4. Develop plan for undocumented workers so they can be assured they will be kept safe when seeking treatment. This summer there were over 200 farmworkers that had to sleep in a local park during a wildfire. Some care is already provided but there may be disconnects. We need to review trust issues too.</li> <li>5. Help guarantee access to health care for individuals, families, and communities.</li> <li>6. Conduct an assessment on how this region reacted to covid from a climate</li> </ol>	<ol style="list-style-type: none"> <li>1. Review reports from CHNAs, and WA DOH, HCA, on extent of health related issues. Identify locations of individuals.</li> <li>2. Contact agencies/organizations that could provide this data.</li> <li>3. Bring together Chelan-Douglas Valley Health District (CDVH), Confluence Hospital, USDA RD, North Central Accountable Community of Health, other health experts, to discuss this topic</li> <li>4. Review existing provider's policies. Encourage providers to adopt policies that would encourage more access to health care, such as mobile, less-formalized services. Assess level of trust too.</li> <li>5. Encourage individuals, families and communities, to sign up for Apple Health. Provide access to health experts that can provide advice on how people can stay healthy, such as constructing box fan/filtering systems, providing inhalers, masks. Take a survey with health workers to</li> </ol>	<ol style="list-style-type: none"> <li>1. Finding hard data and interpreting the data.</li> <li>2. Data is gathered to review the data and develop predictions with impact to health systems. Compare air quality incidents with hospital admissions.</li> <li>3. The convening is held, and people are engaged in issues. This could be a stand alone convening, or we could bring the issues to their meeting(s).</li> <li>4. Services are provided. Each provider has reviewed their policies and adopted changes if possible to increase their services to vulnerable populations.</li> <li>5. Reduction in ER visits during climate related events. Surveys on access to health care.</li> <li>6. Identified gaps are reflected in new epidemic plan updates.</li> <li>7. Stakeholders were convened and solutions were identified. Information is widely distributed, and equitable access to the information. A system is in place that ensures all</li> </ol>	<ol style="list-style-type: none"> <li>1. Short-term</li> <li>2. Short term</li> <li>3. Short term</li> <li>4. Medium</li> <li>5. Long term</li> <li>6. Long term</li> <li>7. Medium</li> </ol> <p>Medium</p>	<p>Chelan-Douglas Health District; Emergency Management Department; health care providers (Confluence Hospitals, CVCH (FQHC); public health (DOH, HCA); EPA, FEMA, FRBSF, social service agencies (DHHS), ILSG, USDA RD, Indian Health Service, tribal health (Colville, Yakama), CAFÉ, Serve Wenatchee (faith org), Red Cross, Chelan Douglas Community Action Council, mental health agencies, financial institutions, educational systems, long term care facilities, sheriffs department, local police,</p>	<p>\$\$: Planning and education</p>

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	<p>change lens – lessons learned. Each community had to have an epidemic plan in place – did it work?</p> <p>7. Reach out to individuals through faith and other organizations, and look at needs beyond health care (SDOH). Look at language/communication issues too. Focus on vulnerable communities, including smaller communities, growth, needs in the future, assessing culturally appropriate communications.</p>	<p>help identify health care access and insurance coverage gaps.</p> <p>6. Assess and identify gaps and successes in the performance of the community's epidemic plans.</p> <p>7. Bring together key stakeholders that serve as spokespersons/community leaders, including community based organizations, to ensure they are working with health system providers. Encourage the stakeholders to develop strategies to better serve their populations. Ensure all information is created in different languages and distributed to all community members. Ensure distribution through different channels, beyond computers.</p>	<p>information is automatically created and distributed in different languages. Also, communicate with stakeholders, including community based organizations and health sector, to determine if information was received by community members.</p>			
<b>Group 2: Assess the capacity of health systems to respond to emerging health and safety threats and to integrate climate preparedness into their hazard response plans and daily operations</b>	<p>-(1) Identify the climate-related threats and quantify impacts to populations (e.g., air quality, diseases &amp; pathogens)</p> <p>-(2) Identify who is responsible for healthy work conditions (e.g., employer, broader associations that represent employees?)</p>	<p>-Leverage existing opportunities for reducing climate-related threats (e.g., Cascadia Conservation District and Health &amp; Safety Planning)</p> <p>-(5) Ask health care (e.g., CVCH) providers how they are directly engaging w/ vulnerable populations OR organizations that serve vulnerable populations.</p>	<p>-Ways to preserve community traditions (e.g., drone firework show)</p> <p>-How many people are accessing Food Banks; are the Food Banks able to meet demand? (use a survey to get at this.)</p> <p>-Messaging is coordinated across individual service providers/ non-profits.</p>	<p>Identify vulnerable populations (short-term/immediate)</p> <p>Identify groups working with vulnerable populations (short-term / immediate)</p> <p>Reach out to local Health Care Providers (short-term)</p>	<p>-Chelan-Douglas Health District</p> <p>-Confluence</p> <p>-CVCH</p> <p>-Potential grocery store chains (re: Food Security).</p> <p>- Social service agencies (e.g., City of Wenatchee Homelessness Coalition; Women's Resource Center; Food Banks; Community Gardens)</p> <p>-Mental Health Services</p> <p>-Employers</p>	<p>\$\$: Planning and education</p> <p>Leverage public services for survey outreach. Also leverage students and volunteers (to keep costs down).</p>

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	<p>- (3) Identify vulnerable populations (e.g., individuals experiencing homelessness, elderly population)</p> <p>- (4) Identify the community-based organizations currently working with vulnerable populations (key groups to partner with – they are the experts). -Ensure these partner organizations are connected with resource to communicate</p> <p>- (5) Reach out to local Health Care Providers to see if they have plans in place to address related challenges. (short-term)</p> <p>- (6) Food Security. Possibility of connecting individuals experiencing homelessness with community gardens.</p>	<p>- Survey service providers (how many individuals are using services / how has this changed overtime/ to what degree are they able to meet community needs) – goals (1) collect data, (2) raise awareness of the issue</p> <p>- Ensure we build a healthy budget for survey work. There needs to be budget for translation services; childcare services. Also note that surveys may not be the best way to reach certain populations.</p> <p>- (4) Ask community organizations to assess their current capacity, where are they bandwidth poor, and what metrics are they using to track</p>	<p>- Increase in sq-ft / year of community garden space.</p> <p>- Ensure input is gathered from vulnerable populations – what is the best way to connect and engage (surveys may not be the best bet/compensation for participation).</p>		<p>- Associations that represent sector employees - Wenatchee Valley College (esp. w/ regards to outreach to vulnerable populations) - Sustainable Wenatchee - Serve Wenatchee Valley Parque Padrinos CAFÉ Hand in Hand Immigration Services</p>	
<b>Group 1: Develop priorities and strategies to proactively implement climate change adaptation measures for the most vulnerable and underserved populations</b>	<p>Infrastructure, PPE, measuring smoke, capacity of emergency response units, access to health care, communication, capacity for evacuation – especially for areas with limited evacuation. Include communication through education/school systems – include school districts.</p>				<p>Chelan-Douglas Health District Organizations serving vulnerable populations</p>	<p>\$: Staff resources to coordinate and engage</p>
<b>Group 2: Develop priorities and strategies to proactively implement</b>	<p>- Coordination. Involve those on the frontline of responding to these</p>					

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<b>climate change adaptation measures for the most vulnerable and underserved populations</b>	hazards / issues (e.g., we need to talk to health care workers to understand what they are already doing).  Transportation infrastructure (vulnerable populations are dependent upon these infrastructure systems).  -Coordinated messaging across different entities.					
<b>Group 2: Build capacity to assist the most vulnerable people and communities to prepare and respond to threats such as wildfires and flooding.</b>	-Build healthy / robust budgets to ensure we have enough resources to complete this work (the ability to respond and prepare is having resources to compensate those who are able to do this work).  -Evaluate how different stressors can intersect, and identify how we address these challenges (e.g., the intersection of COVID-19 and air quality issues related to wildfires in Okanogan).  -Establish a formal communication system (bilingual) to ensure workers can effectively communicate / request help to threats such as wildfires and flooding (for example). Ensure that the informal communication ties into this knowledge network.	-Identify funding sources that can be leveraged to support this work, and ensure it is done in a way to appropriately and effectively engage vulnerable populations (bilingual staff  -Work with organizations engaged with vulnerable populations and managing the lines of communication used by individuals on the ground (e.g., Facebook groups for farmers/ag workers AND ).			Chelan Co. Flood Control District Fire Districts Chelan County Public Works Cities Public Works Organizations serving vulnerable populations -Cascadia Conservation District	\$\$: Planning and education  -Need to ensure there is a budget to ensure that this work can be done effectively, and actually engages the vulnerable populations.



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	<p>-Bilingual volunteers or staff are needed to communicate with workers on the ground. This connects with trusted brokers / more diverse representation when responding to these climate-related challenges.</p> <p>-Need equitable responses to these challenges.</p>					
<b>Group 1: Identify locations where changes in surface and groundwater flow due to climate change (e.g., larger floods, erosion, fire) could result in new or greater releases of toxic substances to the environment</b>	<p>Identify tools available to determine those areas most impacted by current and future climate change. The tools may be managed by the regional EPA office, or the Department of Ecology. We need to increase the number of "Purple Air" sensors. Implement more Purple Air sensors.</p> <p>-Investigate whether a brownfield study was already completed to identify sites that are contaminated / if not, complete. (hazard mitigation plan likely covers this / EPA grants)</p> <p>- Overlay these areas when planning and designing</p>	<p>Increase awareness of the tools.</p>			<p>Chelan Co. Flood Control District  Fire Districts</p>	<p>\$\$: Planning and education</p>

Topic Area: Organizational structure/Communication and Engagement

<p><b>Strategy</b> From the Chelan County Action Plan</p>	<p><b>Key Actions</b> Actions should contribute to success of a goal and be SMART: Specific, Measurable, Achievable, Relevant and have a time-frame.</p>	<p><b>First steps:</b> What are actions that need to be taking in the next 3-5 months to ensure this action gets taken?</p>	<p><b>How will we know success?</b> Think about metrics, numbers that are feasible and reasonable to track. Think qualitative and quantitative.</p>	<p><b>Time-frame</b> Short 0-6 Months Medium 6-12 Months Long 1-2 Years (Feel free to adjust these as needed)</p>	<p><b>Lead and Supporting Rolls</b> Who is the primary responsible organization or person, or for following up to find a good lead role?</p>	<p><b>Cost and Implementation Resources</b> Brainstorm financial costs and human resource needs even if a source is yet unknown. Brainstorm existing or possible sources.</p>
<p><b>Group 1: The Climate Round Table will be open to anyone with an interest in climate resilience. The Climate Round Table will help prioritize and coordinate strategies and actions, and leverage existing resources.</b> <b>A “Science Advisory Committee” will provide technical advice to the Round Table and Executive Committee. An Executive Committee made up of a core group of the Round Table will be nimble and help carry out the Round Table direction. The Round Table and Executive Committee will be supported by an Administrator and an Outreach Team. An early action of the Round Table would be to prioritize strategies ... and delegate actions ...</b></p>	<p>1. Climate Roundtable: Determine the lead and supporting roles; determine time frame/frequency –, twice/year; Provide good value at roundtables, Announce new programs, opportunities for Chelan County residents; use utility billing statements, press releases, social media. Engage with CAFÉ’s two fire adaptation cohorts, need to provide current strategy to CAFÉ members. Need to make topic relevant to Roundtable attendees. Make sure we report back to attendees to demonstrate that we heard what they said, and we are taking actions. Make media materials “tell it like it is”, honest, clear, and in various languages. Avoid language that people would not understand. Science Advisory Committee: Use the committee to present at Roundtables, provide updates on research, share new learning; Engage the members of the Science Advisory</p>	<p>1. Need multi-lingual public information program; contact organizations to find out if there are things to be learned from their efforts with covid response – how they reached people; Use graphics, other ways to present complex statistics/information; partner with CAFÉ’s electronic newsletter, 3 different radio stations, Wenatchee World’s LatinX news report, Telsio – robocall/hotline; Partner with WSU Center for Sustainable Agriculture and Natural Resources - Chad Kruger – predicting water supply and flow. Andy Perleberg too. Provide a way the community could provide feedback. Assess current plans related to climate and look for areas where they are complimentary and opportunities to align activities and avoid duplication/conflicts. Need to gain consensus from different entities that publish the reports. Identify what is in place and</p>	<p>1. Diversity of Roundtable, based on survey; Have an action plan in place, and whether we are meeting the metrics identified in the action plan; receiving valuable feedback/participation, acting on the recommendations; look at recommendations and determine whose responsibility; determining a program that could help the community and developing RFP to implement the plan. Also, need to look at number of people participating in Roundtables. Developed a plan with timelines, information on climate trends is widely distributed; held informational sessions/presentations on community challenges,</p>	<p>1 Short Bringing in the right individuals would be short term. Need plan in short term to get started.</p>	<p>1 Conservation district, Chelan public health district; Chelan County Public Information Officers; Sustainable Wenatchee;</p>	

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	<p>Committee to speak at other groups-chambers, Community Service Groups (Rotary, etc), publish a monthly article in Wenatchee World; Jana already has a monthly article and could provide the space for an article/interview on climate; the information to be instructive on how people need to adapt, need to connect/share at a regional level too – share ideas, resources, policy, capital projects.</p>	<p>coordinating with others, and addressing the gaps.</p>				
<p><b>Group 2: The Climate Round Table will be open to anyone with an interest in climate resilience. The Climate Round Table will help prioritize and coordinate strategies and actions, and leverage existing resources. A “Science Advisory Committee” will provide technical advice to the Round Table and Executive Committee. An Executive Committee made up of a core group of the Round Table will be nimble and help carry out the Round Table direction. The Round Table and Executive Committee will be supported by an Administrator and an</b></p>	<p>Action: Define Round Table and Supporting committees.</p> <p>What are deliverables of Round Table? E.g. outreach materials for use by multiple entities. Who will administer/staff? Concern on Round Table – so many interests, how to ensure impact on resilience? How to get new actors to participate?, health systems, school districts, etc.. Health systems Role as employer, trusted partner, producer of GHG, etc.</p> <p>Action: Develop outreach teams with a focus on specific risks: Health,</p>	<p>Round Table: Define who needs to be at the table to be most effective. Diverse and representative. Who is interested in committing for long haul? Avoid flash in pan. Firm up commitments early. Where are gaps?</p> <p>Round Table Partners/Resources: Identify funding so all can participate. Best way to meet/participate. Assure agency staff are available to engage.</p> <p>Round Table: Develop draft charter for Round Table and supports.</p> <p>Exec Committee: Who is on it – how will tasks get</p>	<p>Number and breadth of commitments. Gaps filled.</p> <p>Performance in end – Round Table: Ensure there are metrics for each strategy – what are we measuring – across all sectors</p> <p>Define evaluation methods</p> <p>When/how to get Science Advisory Committee involved</p> <p>Prioritize strategies and actions</p> <p>Response to events – reach to community, systems prepared</p>	<p><u>Structure</u>  First/early: Round Table</p> <p>Funding – 6-12 months, annual thereafter</p> <p><u>Deliverables</u></p> <p>May be influenced by Science Adv Comm – e.g. influence outreach materials.</p>	<p>County  PUD  DNR  Chelan-Douglas Health Port  Community Organizations/NGOs  Cascadia Conservation District  Tribes  Major Employers  Social Organizations, e.g. Rotary, Kiwanis  Chambers of Commerce  Academia /Education</p> <p>Experts on Plants / Firewise:  Cascadia Conservation District (e.g. fire and drought resistance plants)</p> <p>Master Gardeners</p>	

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<b>Outreach Team. An early action of the Round Table would be to prioritize strategies ... and delegate actions ...</b>	firewise, flooding, etc. Link leads to Round Table/Science Advisors.	<p>done? What is role in achieving tasks? Do they recruit? Are they doers or advisors? If higher level folks can push down – free up staff time to do the work. (e.g. Mayor, Directors, etc.) Tech advice, delegation. Officers of Board. Ask for work to be done.</p> <p>Potential Mission? Be seen as a central repository for go-to on info. Keep people interested. What are simple ways people can help (e.g. plant native plants).</p> <p>Outreach Teams: Identify needed teams/topics. Have experts on engagement.</p> <p>Science Advisory Committee: How selected? Social science. Biologists. Other “ologists”. Tribes. Paid? Volunteers? Get it right, objective, essential for outreach.</p>	Fire/smoke Water supply Hazards – flood		Available Resources – federal and state resources/build on existing, e.g. CDC	
<b>Group 1: Education and outreach on collective and individual efforts to address water conservation, energy conservation, and fire and flood preparedness</b>	Energy and water conservation are good first steps. Approach what is most broadly accepted in the community first, resiliency, focus on economic impact, fire adaptation/prevention, determine which area to start, such as transportation – reducing carbon footprint, need to prioritize, look at cost share programs to make	Talk to people and gather ideas about outreach approaches.	Track outreach efforts by diversity, number of people reached, participation, if we connected individuals/organizations, number of new partners	Short term – develop plan, assess how to promote PUD’s recommendations, # documents translated to Spanish	Chelan PUD Irrigation Districts Municipal Water Providers Chelan Co. Flood Control District Fire Districts Chelan County Cities Organizations serving vulnerable populations, Cascadia Conservation (chipping programs, cost share)	\$: Staff resources to coordinate and engage

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	them firewise, bolster existing programs					
<b>Group 2: Education and outreach on collective and individual efforts to address water conservation, energy conservation, and fire and flood preparedness</b>	<p>Action: Understand existing plans and available resources, e.g. CDC, CDHD, Cascadia, etc.</p> <p>Action: Understand communication networks (e.g. CCD newsletter, etc.)</p> <p>Note: Best title of Strategy? It's also about Econ Vitality as well as Env. It is part of resiliency. Do good + enhance/maintain Q of L.</p>	Assign team/individual to gather and review plans/resources and identify existing communication networks for related content.	See above	<p>Early: Start engaging in activity – find resources and topic leads</p> <p>Medium to Long Term – materials go out after establishing Round Table and Outreach Partners (12-24 months)</p>	Chelan PUD Irrigation Districts Municipal Water Providers Chelan Co. Flood Control District Fire Districts Chelan County Cities Organizations serving vulnerable populations CAFÉ – already engaged	\$: Staff resources to coordinate and engage
<b>Group 1: Ensure climate resilience outreach and education efforts are multi-lingual to engage all members of the community</b>	Engage multilingual community. Hold a separate Spanish speaking roundtable. ?include close captions/translator within Roundtable?, include breakout room that is Spanish speaking (reach out to public health district for ideas since they have done this )				Chelan-Douglas Health District Organizations serving vulnerable populations	\$: Staff resources to coordinate and engage
<b>Group 2: Ensure climate resilience outreach and education efforts are multi-lingual to engage all members of the community</b>	<p>Merge with above strategy?            Still not a widely practiced effort to translate. Keep separate.</p> <p>Action: Establish protocols to have translation and staff to interpret. Multiagency – share resources. Establish offices within governments to work across agencies? Buy in/ subscription.</p>	<p>Review successful models – e.g. Wenatchee School District.</p> <p>Identify individuals/groups that can provide translation services and identify/engage communication channels.</p>	See above	<p>Laying the groundwork for this strategy can occur in the first six months, but production of materials is likely to occur in the medium to longer time frames.</p> <p>Note: Must remember to build in time to plan for and complete translation. Can result in shortened timelines for development of work products.</p>	Chelan-Douglas Health District County Cities School Districts Organizations serving vulnerable populations CAFÉ, Parque Pardinós, etc.	\$: Staff resources to coordinate and engage

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	<p>Action: Translate age appropriate materials. For accessibility don't exceed 8th grade level.</p> <p>Action: Develop Spanish language content up-front. For better engagement, it may be good to develop materials specifically for Spanish-speaking audience rather than translate materials developed first in English.</p> <p>Note: Communication best practices apply above.</p>					