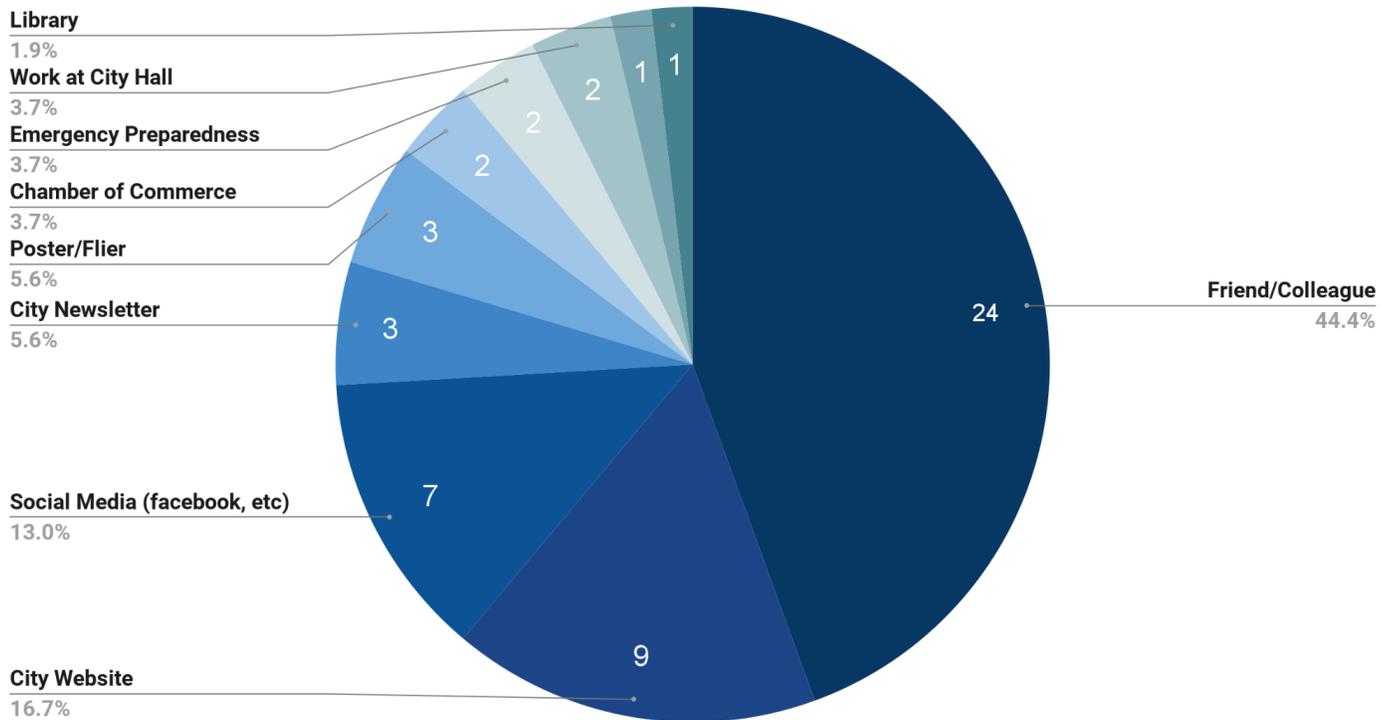


YACHATS RESILIENCY PLANNING VISION & NEEDS SURVEY

BACKGROUND & PURPOSE | In May of 2023, the City of Yachats was awarded a planning grant from the Oregon Department of Energy (ODOE) to plan for renewable energy and resiliency that would help with durable power and increase emergency preparedness. As part of the planning process, the City hosted a survey to gather input on the community’s vision and goals, emergency response needs and priorities, and opportunities for improvements that might be leveraged within the Civic Campus and surrounding areas as part of the planning for the project. Learn more here: www.yachatsoregon.org/ODOEenergygrant.

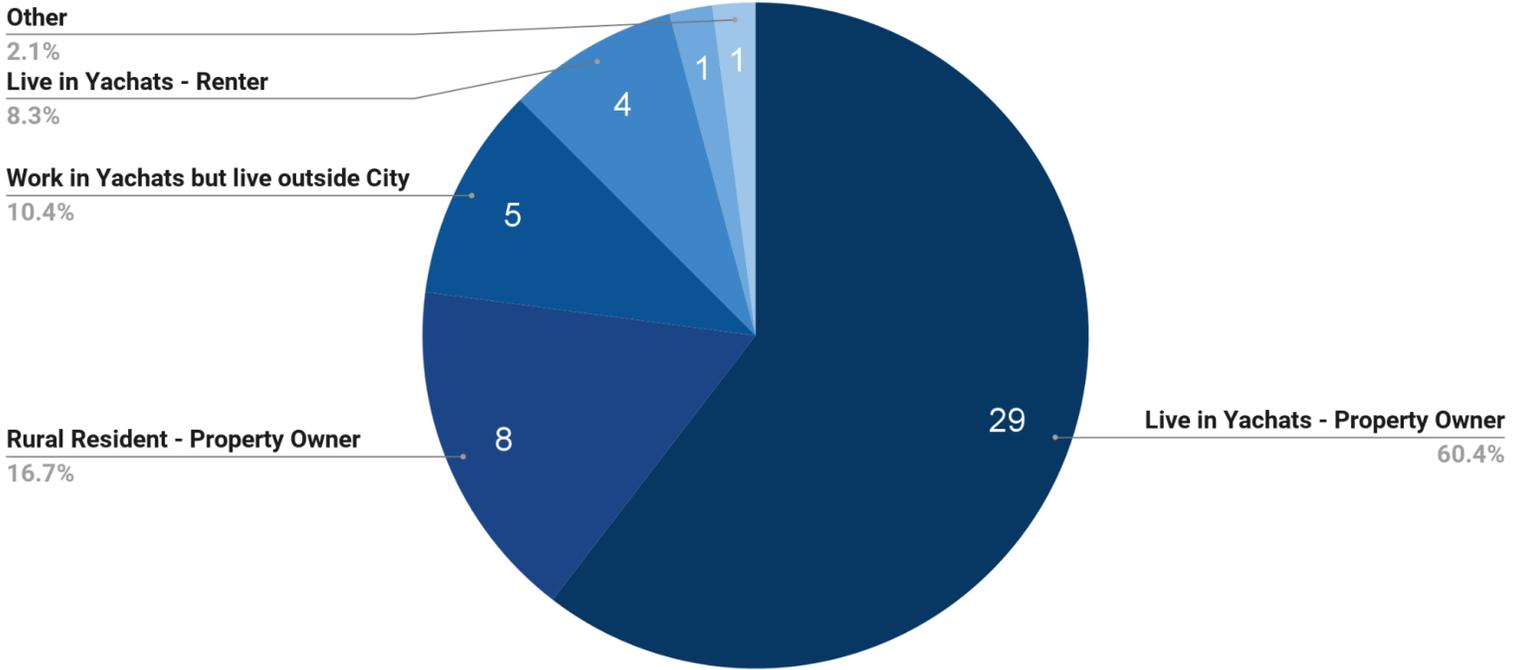
An online survey was widely promoted with the community through the City of Yachats project webpage, with notices distributed via City News Alerts, City of Yachats Newsletter, survey links advertised in three press releases, meeting posters and fliers, in presentations during three public workshops and Advisory Group meetings, and posted regularly to the Yachats residents Facebook page. [Paper surveys](#) were available to give input for community members that were less comfortable with online systems or did not have access. The paper surveys were distributed at the local post office, at the Sea Aire elder facility, Yachats Youth & Family Activities Program and at a community Open House on November 18, 2023. Links to the online survey were included in handouts and meetings as well as links to the City website where all project presentations and materials could be reviewed and participants could access an online version of the Community Visioning & Needs Survey.

HOW THE COMMUNITY HEARD ABOUT THE SURVEY

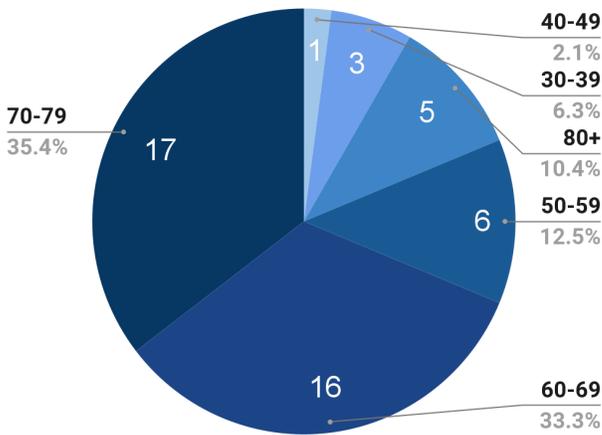


SURVEY RESPONSES | The Resiliency Vision & Needs Survey received 53 total responses. 42 web-based survey responses were received and 11 surveys were received from paper copies. Analysis of the survey was provided by Forage Design with review of qualitative responses to identify key themes and tag responses to develop quantitative summary charts in this report. Verbatim responses are also included for a deeper look at individual responses.

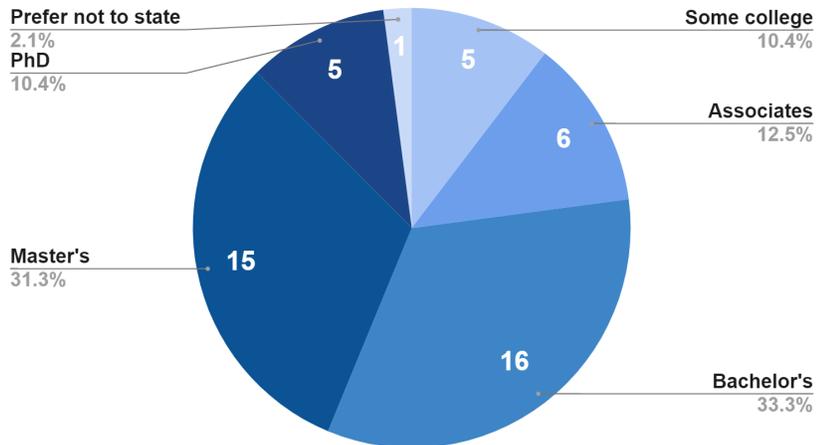
LOCATION OF RESPONDENTS



AGE OF RESPONDENTS

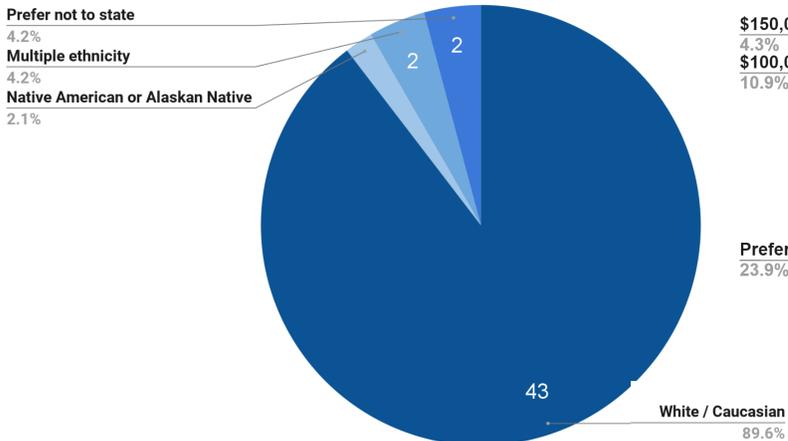


EDUCATION

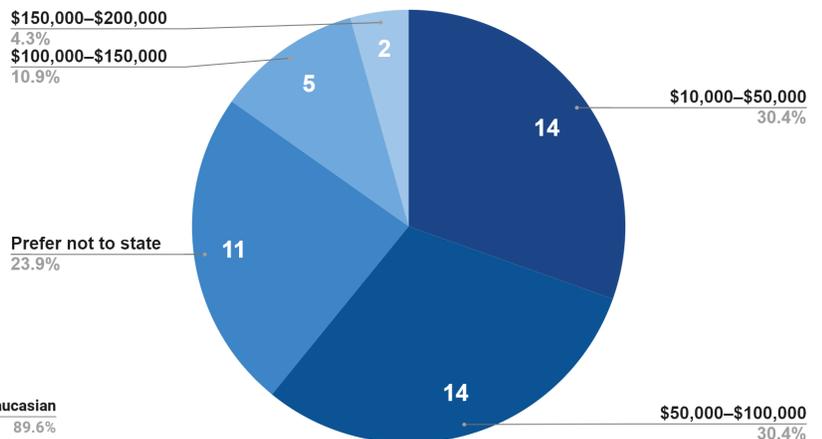


DEMOGRAPHICS OF SURVEY RESPONDENTS

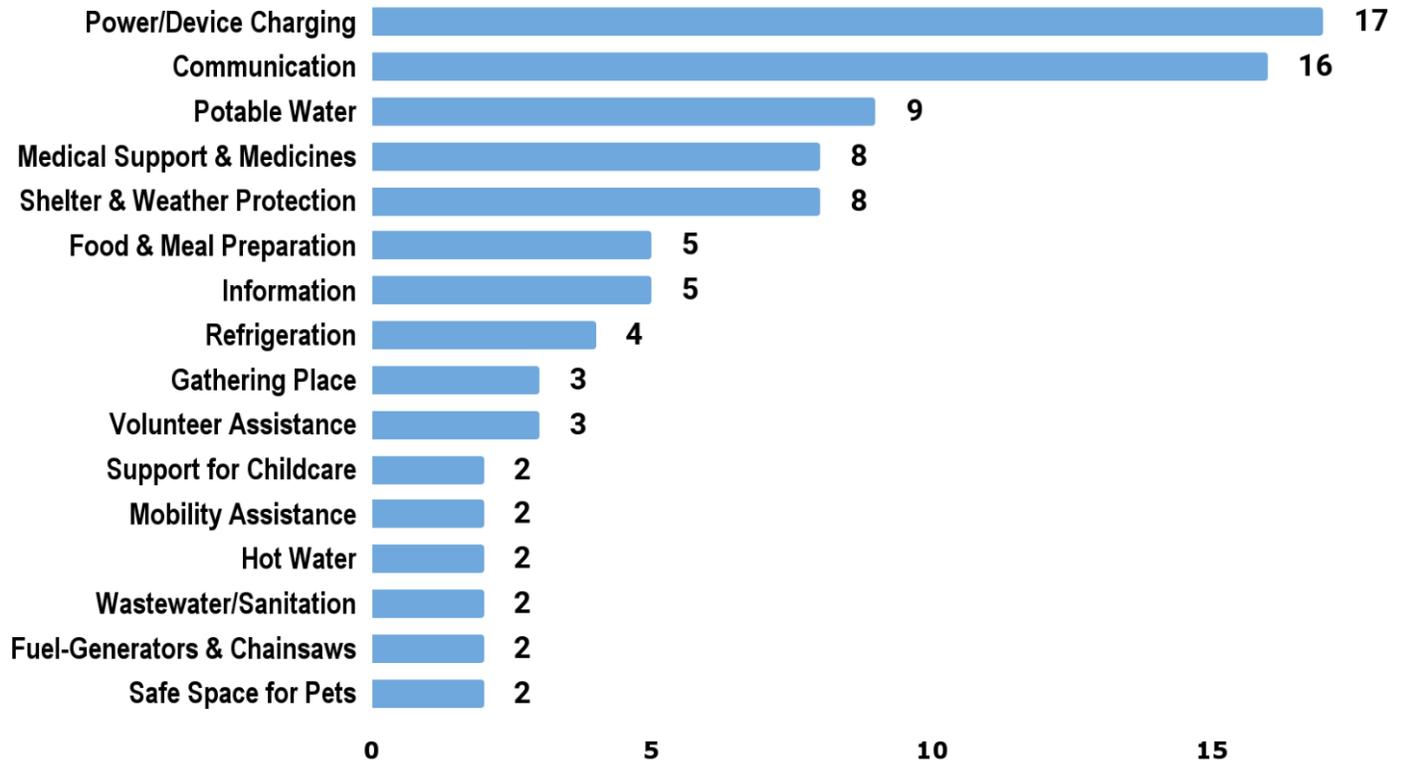
RACE



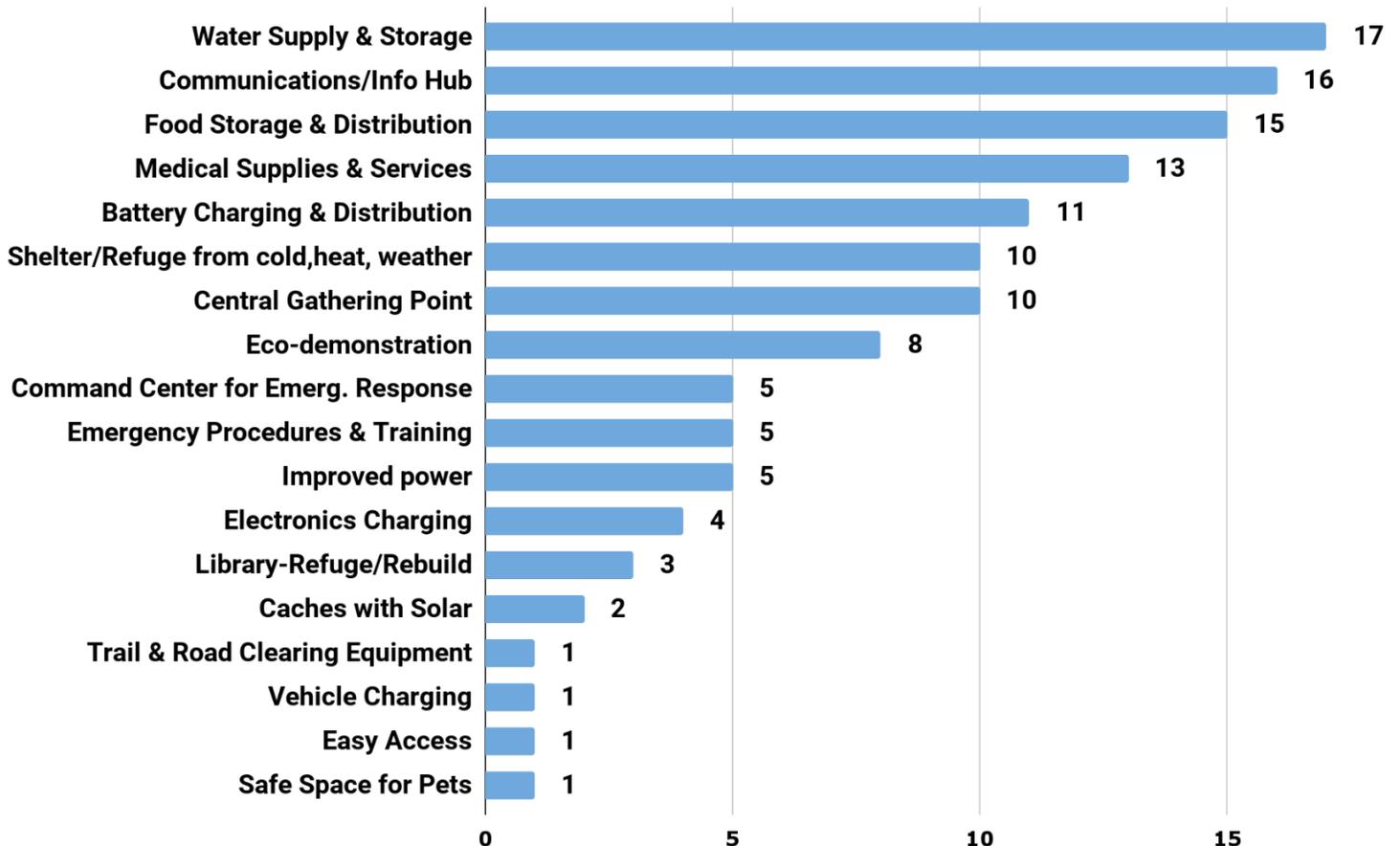
INCOME



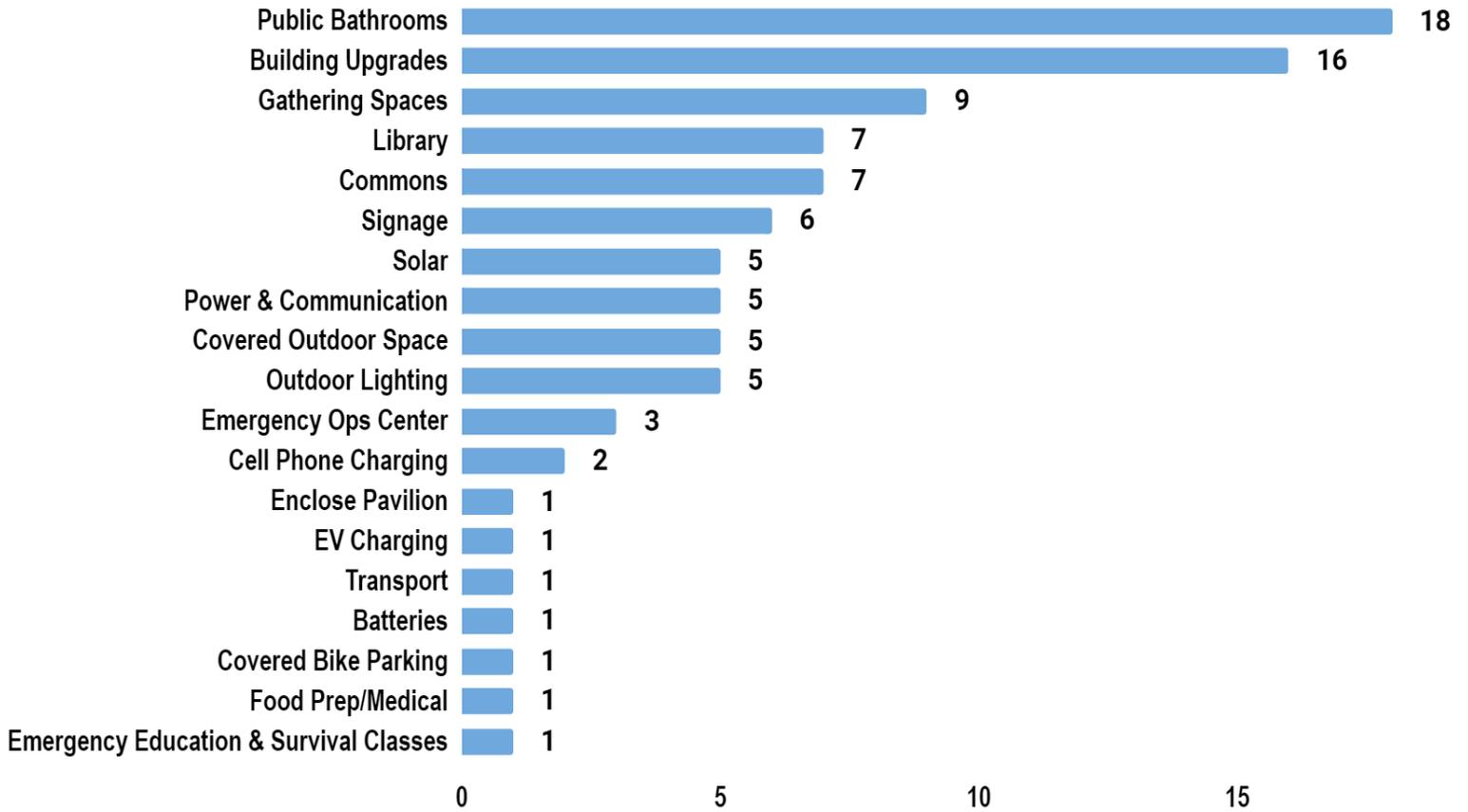
PERSONAL EMERGENCY PRIORITIES



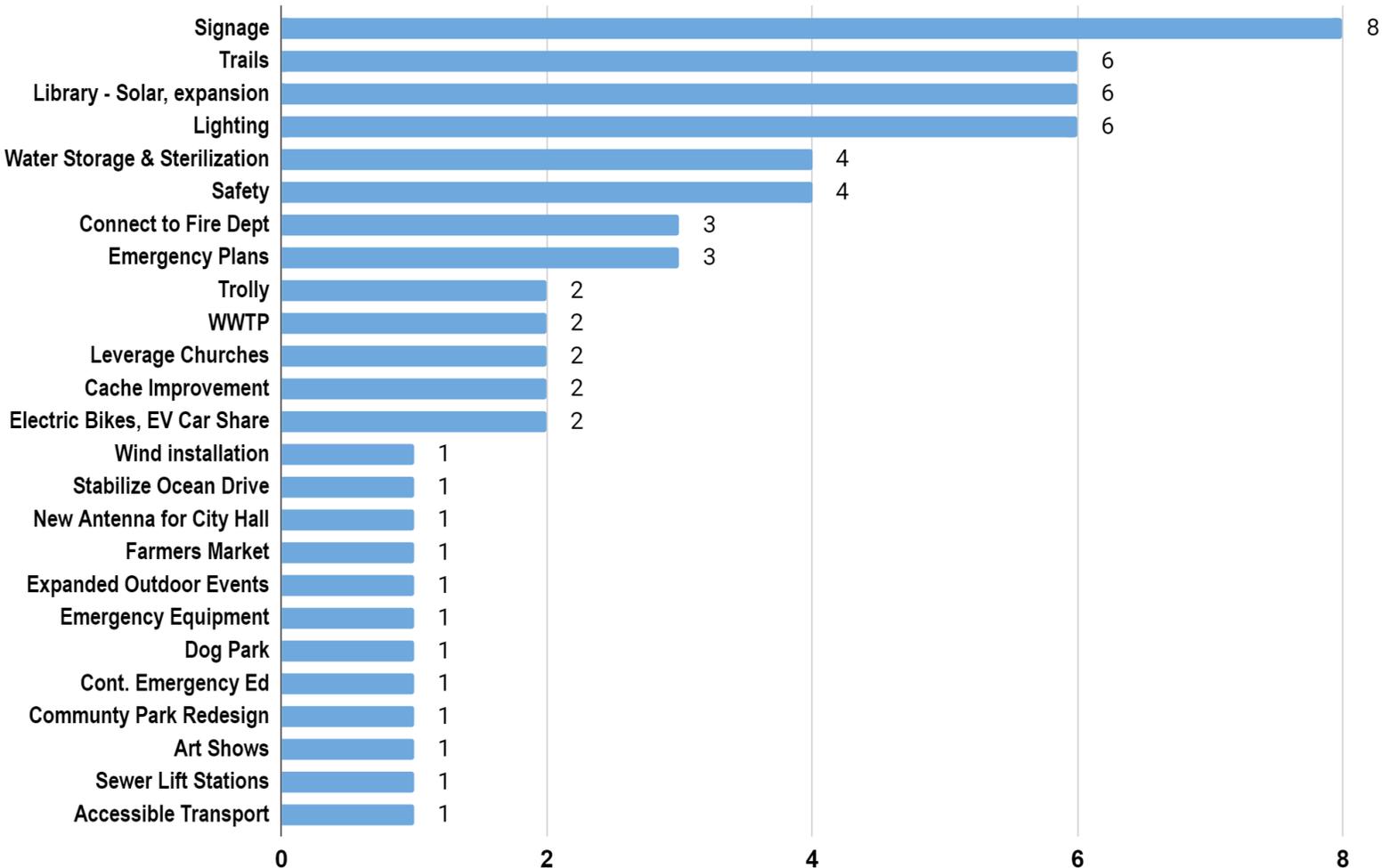
VISION FOR CIVIC CAMPUS IN AN EMERGENCY



INTERNAL CAMPUS IMPROVEMENTS

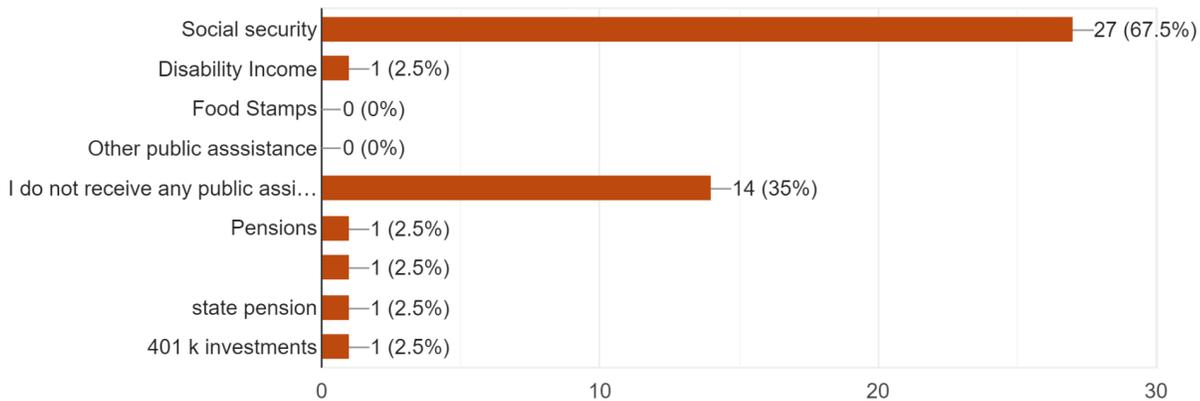


LEVERAGE EXTERNAL IMPROVEMENTS



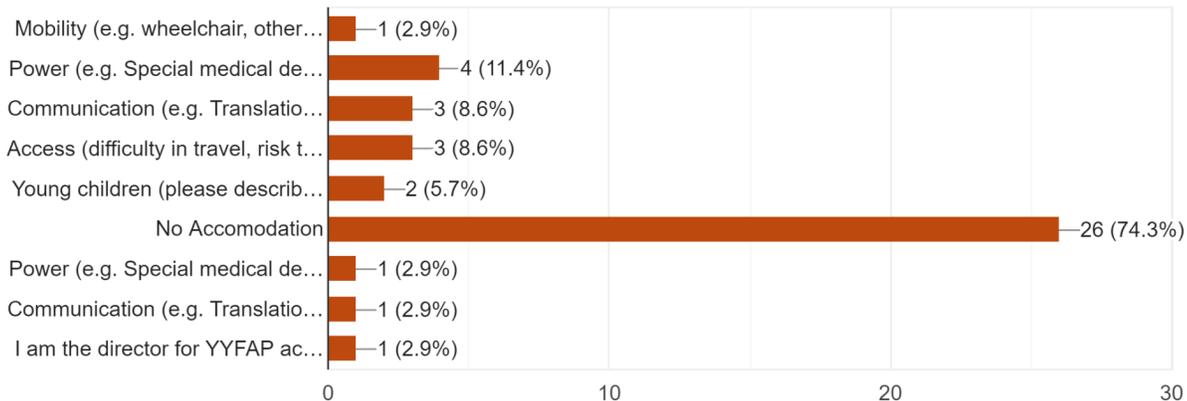
Do you or others in your household rely on any of the following? If yes, mark all that apply below.

40 responses



1. Do you have any special needs in an emergency or hazard event? Check all that apply. You can describe further in the next question.

35 responses



2. SPECIAL NEEDS - If you checked any boxes above for special needs, please describe

- *In the event of an emergency, YYFAP has the responsibility for the care of this community's children. Some children live outside of the Yachats area. This means that there could possibly be a lack of access for families to pick up their children. We need access to power, communication, access, and even mobility for children and staff that could have mobility needs. YYFAP needs to be able to connect children to families during a crisis and to provide shelter, food, and accommodations for children in our care until they can be united with their families.*
- *Husband has insulin that needs refrigeration.*
- *Consistently have poor phone service*
- *A member of my family uses a C-PAP device*
- *Slow walking*
- *CPAP machine*
- *N/A*
- *Have to take care of and move small children*
- *Access*

3. POWER: How frequently do you experience power outages and for how long?

SUMMARY:

- Annual Power Outages: survey responses noted outages varied from 1-4 times per year, with the majority of outages 3 times per year.
- Monthly Power Outages: Responses varied from once every 1-2 months, to every 3-4 months
- Daily Power Outages: Outages generally ranged from 10 minutes to 8 hours typically. A few respondents noted outages ranging from 1-2 days, and as much as 5 days for one respondent.
- Several noted power outages were storm related and several responses noted no outages due to solar power.

4. VISION: What is your vision for the role of the Civic Campus as an everyday community resource AND a refuge/point of recovery during a hazard event?

Some examples noted from the first workshop included: improving spaces to use as a refuge, demonstration of sustainability, emergency water storage and supply, providing mobile battery power, etc.

What is your vision? This could be a few words, a sentence, paragraph or list - just share what comes to mind of your ideal.

VERBATIM RESPONSES (Summary chart above):

- Improvement of building power and storage that leverages places to hold events and activities.
- A place for gathering, events, informal spontaneous interactions, Information disbursement both electronically and in person, charging of electronics, wayfinding, central gathering point for evacuation & information, food, water & emergency medical supplies.
- Gathering place for a wide variety of activities. Citizens meet informally to have fun and to engage in discussions. Events - especially off-peak season. For an emergency event, warming, "light" medical needs, food and water distribution, communications hub. incident command center
- Day-to-day: charging stations, sustainable & renewable energy, and communication (reader boards, satellite phone, maps, signs).
- Hazard: community gathering place, short to long term sheltering (depending on hazard), medical supplies, power for refrigeration and lighting, revitalizing the use of large generators for efficient use during a hazard/outage, food storage, mobile power supplies, use of charging stations for vehicles, communication (phones and alert systems), ways to clear passages for travel
- Medic station, water storage, battery charging and distribution station, communication center and food distribution.
- Hub for social/civic events; center for coordination of local emergency services in the event of a disaster.
- Big picture: That our community could create all our energy needs through green, renewable energy that would function during emergencies.
- Demonstrate that it can be done - become an example of what can be done.
- In addition to what is noted above, central location for status and resource access information.
- More caches with solar collectors, ER water storage, out of tsunami zone
- My vision is for Yachats to be a leader in incorporating renewables into a disaster-ready energy hub system, using a team of recognized experts with many years of experience.
- Make the space easily accessible and have appropriate emergency procedures available.
- I have two main areas I believe the City Campus should serve in case of emergency/disaster: (or, in case of tsunami which pushes up onto the hill somewhere, the city operating remotely from the actual campus)
 - 1) centralized information for those affected, and those dealing with managing the disaster
 - 2) actual resources, such as battery power, emergency supplies (water, minor medical supplies, shelter from rain/wind)
- I would also like to see continued education of residents on how to be our own best resource for emergency preparedness

- *I do think the City Campus should be an everyday resource, both as a facility for various events, and as an educational resource. I like the idea of the City campus being an example of sustainability, and in the long run think it would be great if our campus leaned less on regional electric power (CL PUD), and could obtain at least some power from solar/wind/whatever. I say this as the person who enters the electric bills into the accounting system - wouldn't it be great if it cost us less in the long run, because of investments in supplying some of our own power over the next few years? Our primary electric use is for our water and sewer plant, and I don't imagine solar/wind could power the whole plant, but it would be good if we could take some of the load off of CL PUD.*
- *food supplies, connection to medical services*
- *Safe, emergency shelter spaces with power, food, water. Also a safe space for pets.*
- *This should be the place where anyone can escape to or go to for basic needs: food, water, warmth, emergency medical needs, and to be with other people.*
- *Battery charging station, fresh water supply , communication center*
- *Gathering place in emergency*
- *Help for all*
- *My vision hmm, when I step into the future and I imagine our community ravaged by an event that could come any day, any month, I'm immediately overwhelmed and I imagine that's how the rest of the town is.*
 - *I imagine the possibility of bridges being washed out and when that happens very hard times are ahead for everyone, wealthy or not, retired or not. Everyone will suffer in way they haven't imagined yet.*
 - *Power will be one of life's most needed, most expected and invisible assets. And it won't be there when we need it if we don't decide now and or sooner the better.*
 - *And of course the internet, how does it become available to us all?*
- *Perhaps the community is ready to move the new library to the playground/ball field where solar will be install on it just the right way.*
- *Need water, power, shelter, food, blankets*
- *All of the above*
 - *[- improving spaces to use as a refuge*
 - *- demonstration of sustainability,*
 - *- emergency water storage and supply,*
 - *- providing mobile battery power, etc.]*
- *move the Yachats Library build more toward the center of town..provide the Library with the tools to be a part of the solar panel plan and move it away from PUD. Offer the entire community a wonderful library with a good view and easy access to the other City buildings.*
- *Refuge, water, power*
- *1) Move the current generator from the Commons to City Hall (or a conduit from the current position). Install a larger generator at the Commons to power the entire facility.*
- *2) Make a platform over the WWTP headworks and place windmills on it. This would be for additional power when the fuel supply is depleted. Keep in mind that when the fuel is gone. the Main lift station won't work, so the WWTP receives no wastewater.*
- *3) Some form of resiliency should be considered for our five sewer lift stations. As stated above, once the fuel is gone, there's no more treatment. The Main lift station pumps all of the sewer in town to the WWTP. This would be the first place to start.*
- *4) I would like to recommend the installation of a 3-5K gallon above ground diesel fuel tank at the Yachats Rural Fire District Station. This would be located somewhere on the upper end of their property, and we would have joint use of the fuel. it would of course be metered but also it keeps the fuel "fresh" as both entities would use it. These are just some of my thoughts.*
- *Sustained heat and water during emergencies and clean up.*

- *Water is the most primary concern. Food is second. Housing of road clearing equipment could rank high on the list in the case of a tsunami/seismic event, as road clearing will be of primary importance, even if only to help clear the way for basic distribution of emergency supplies flown in by helicopter or floated in by boat.*
- *the Civic Campus used to be the center of our community as the source of informational classes, civic groups, exercise groups etc. generally serving as the heart center of the community. In an emergency it will hopefully provide a safe shelter, food, water, electricity, current information/recommendations, and a center for communication with friends and family*
- *similar to above, communication locally as well as outside the area*
- *Communication with other facilities and remote personnel - satellite radio?*
- *Tie into the Yachats Library re-build*
- *A common use facility that can double as a space for refuge. A new sustainable library could be that space. It could be used in an emergency.*
- *Increasing sustainability for the Yachats area.*
- *communications hub, emergency medical*
- *All of the above, communication hub, medical support*
- *I would like to see the campus continue to be a cultural center, and to evolve to be an emergency center with solar power, shelter, bathroom, supplies etc. Connect the campus electrically, store excess batteries, upgrade energy efficiency.*
- *I am eager to learn. Sufficient toilet service.*

5.YOUR PRIORITIES IN AN EMERGENCY EVENT

How might YOU use or rely on Civic Campus facilities during a hazard or emergency event? Share any priorities or examples of what you and/or your family might use/need. (e.g.: Powering of special devices, Refrigeration of medicines, mobility assistance, childcare or other special needs)

- *The uses listed previously. It would be an important place for getting information and possibly for the charging of communication devices if we have internet or cell availability during an emergency and for potable water.*
- *Unless my house was destroyed, I do not see a scenario that has me using the civic campus in an emergency. Maybe for heat and/or meal preparation if we had a prolonged power outage (> 2 days).*
- *I would travel to the Commons for needs I am unable to meet at my home especially communications (this is other than my role as defined in Emergency Preparedness documents) . I have some food stores and water filtering capacity. Would likely try to shelter in place depending on level of destruction.*
- *water and wastewater needs*
- *Personally, I live out of town, so I would need communication, power/charging, and possibly a place to shelter. Professionally: The child care center needs to be able to shelter, feed, and communicate with families and resources during a time of a hazard.*
- *My kids and I have chronic health challenges. We would possibly need medical support or assistance with mobility. Water, food and warmth.*
- *Source of information and assistance; alternate source of power is available.*
- *Have a way to charge personal devices if the grid power is unavailable. Communication is so important to maintain and support. A way to heat water for a variety of uses during an emergency.*
- *Power, information, community gathering*
- *If it is still there, refrigeration and power*
- *The resilience project for the city of Yachats should focus on providing one or more decentralized energy hubs linking renewable rooftops, for the high-wind situation when there will be a loss of power from the*

standard grid. Renewable sources such as solar panels and wind would be directed 100% toward powering essential systems such as lighting, communications, water pumps, etc. This is an alternative to running to a diesel generator and operates quite differently. The proposed energy hub system is running all the time, off renewables, with grid power being trickled in as needed. Both resilience and efficiency are maximized when grid power unexpectedly goes down due to high winds as the transition to 100% renewables is seamless. It can be used for uninterrupted power during a planned power safety shut-off. A localized network for essential needs would be the initial phase, with the City of Yachats determining what is essential, and the energy hub system would be designed to that set of needs.

- *I wouldn't rely on the Civic Campus.*
- *I would hope we could power medical and communication devices (C-PAP, for example, and cell phones or laptops) from the city campus. I would also want the City to provide information on the progress or resolution of any disaster event.*

I'd also like to see some plan for assisting families who have isolated members - children, elders, people with ability issues - in a crisis. I'm sure people around here will rise to the occasion as best we can should an elder or a child be stranded on their own, or if someone with a wheelchair or other movement issue needs help. I do think, though, it will be best if we have some contingency planning in place.
- *volunteer assignment. fuel for chainsaw. medical aid, communication connections*
- *We have no specific special needs but would appreciate a warm safe space with access to food and water.*
- *If the emergency event is catastrophic, being able to contact family would be important so they know their family members are okay..*
- *Device charging, refrigeration*
- *Refrigeration of medicine*
- *information, food, shelter if needed*
- *Power for sleep machine*
- *I live a mile plus north of town so I'll depend on portable power regularly. I imagine bringing batteries in for recharge often. Would love the ability to communicate in a way different than cell calls cause they might very well be gone as well. Perhaps in some fashion satellite communications are available to communities like our.*
- *Generator fuel, medical supplies, clean water, reliable information*
- *mobility assistance, refill of medicines, ability to get to town if the bridge is inaccessible*
- *Concern that We live south of river*
- *Water and wastewater treatment (providing the infrastructure is sound) should be considered first priority along with triage and care of the citizens.*
- *My background: managed a medium sized commercial electrical contractor which performed half of our work as engineers and constructors.*
 - *I would not recommend that we pursue "net metering", producing power to sell back to the utility company. The switchgear and transfer switching components are difficult to maintain and expensive. I would recommend that we consider moving the treatment plant's 250 kw, 480 volt standby generator to a central point on campus, purchasing and installing a "redundant" 75 kw generator for the treatment plant, and having the switchgear designed as simply as possible for ease of operation. Further because all of the City's major equipment and trucks are diesel, I would recommend that we have a separate diesel tank that could be loaded onto one of our existing vehicles which could then drive to the diesel vendor to retrieve fuel in an emergency so that we wouldn't be dependent on an overburdened supplier. This would reduce the size of our on-site storage and allow us to have multiple, smaller, redundant diesel storage tank locations to better serve our needs. I'd also recommend that we have a small portable diesel generator stored by the new water tank that is south of the bridge that could power up the lift station that is located by KOHO.*
 - *Regarding the City Campus, I suggest that before we proceed with the Skate Park that we plan on installing spare conduits under the roadway so that we won't be tearing up new construction should we expand our electrical and communication raceways to the treatment plant. Finally I recommend that we have an electronic message board visible from Highway 101 that is tied into*

emergency power so that we can post emergency information including highway information.

- Warmth and food preparation
- Water, triage, community supports (medical/emergency, psycho-social), and information sharing. My response is based on a major catastrophic event, not just drought, minor earthquake, weather related power outage, etc. For long lasting power outage in severe winter weather, heated community buildings with locally generated/stored power would be essential.
- I would use it as a safe sanctuary in an ongoing crisis situation including resource for food, water, electricity, and communication with outside world.
- dog/cat care or space, communication
- Support facilities for pets
- Powering devices, meeting place, connectivity
- A safe place for child care. A place for communication
- Providing as much help to those affected as possible.
- communications to family out the area
- methods of communication to family outside the area.

Paper Survey Responses

- Communication hub/emergency supplies
- Be ready to provide power for many uses, serve as a command center in an emergency , and information center.
- refrigeration of medicines
- Powering of special devices
- Powering devices
- emergency back up power/supplies
- 1. communications:disaster and family **contacts**.
2.Basic needs(water sanitation needs, emergency medical care).
3.Back up power sources if needed.
4. offer assistance to others in need.

6. INTERNAL CAMPUS OPPORTUNITIES

What planned or anticipated projects within the Civic Campus should be considered and/or included in this project? (e.g. Park or trail plans, building upgrades, lighting and signage, gathering spaces, and amenities for daily use like bathrooms or covered space for special outdoor events, etc)

- Renewable energy system for the commons and City Hall as emergency back-up and to lower the costs associated with daily electric use in those buildings. Incorporating the design with the larger re-design of the community park creating a multi-use area which could include a restroom, covered bicycled parking and charging, bioswale(s) or other water retention/filtration system(s).
- No outdoor lighting unless it can be configured to come on ONLY when we lose power. Public restrooms have been a community need for a long time. Build some that can support solar panels.
- Improved energy efficiency of the structure and appliances. Improved structural integrity (earthquake ready improvements) Radio/Telephony Communication center. Solar Power as it offsets operational costs (but is marginal as emergency supply in the times we are most likely to need it). Make the north entrance the main entrance including a portico entrance to keep people dry(er) and integrating an ADA ramp (the current ramp is not ADA compliant). Include a public bathroom to accommodate more people in an emergency and as an amenity. Battery enabled signage to inform the public of routes, road outages, emergency numbers/supplies. Consider alternate sewage disposal means as we may not have sufficient water
- covered solar space
- power sources and communication are the projects that I would like to see happen. This could include upgrades to the Commons to make these projects happen.
- We are upgrading to a digital reader board. One use will be relaying emergency info to the public. Upgrade of electrical equipment in the basement. Possible restroom addition on the north end of the main commons building. Electrical upgrades in the pavilion. Cell phone charging stations near the church.

- Fully functioning emergency operation center; general upgrades; alternative power source
- Upgrades to buildings.
- All of the above.
- Bathroom on the north side of the Commons building;
- Emergency events should be a priority as described in question 2 above.
- Better and more accessible cell service and charging stations. Better signage for City Buildings
- So, your suggested list of issues pretty much covers my concerns. I would definitely like to see building upgrades at the Commons and city Hall, and a plan for an alternate location should we go through a major tsunami or landslide event, which might eliminate the City Campus as a viable site for coordinating the response.
- Solar power with battery storage
- Building upgrades, solar power, bathrooms
- Library expansion, weather shelter, lighting
- Bathrooms
- lighting
- More bathrooms on the 804 in particular on ocean view drive
- We will need places for people to gather for companionship, for help, to share with those who need it. Heck we will all need it!
- The city needs a community bathroom.
- Building up grades especially to the Commons building. A better sign outside of the Commons that could be updated from a phone. Need restroom facilities outside but can lock at night.
- placing the Library in a more central location so to offer shelter to the public
- Building upgrades
- See answers to #1.
- heat and food preparation
- Trail clearing equipment storage (hand, mechanical), gathering places, bathrooms. What is the convertibility of city buildings for use as emergency shelters, including space for basic medical care, food generation (cooking, preparing, distribution of packaged items and water), community meetings of large numbers of residents who might benefit from common messaging?
- building upgrades
- Transport (if avenues of travel available)
- Makes so much sense to tie this into the Library rebuild- I really think that's the ticket
- The library. Use the campus for the library. A sustainable place for the community to use now. Bathrooms inside and out. A hub for communication. And then a place for gathering in an emergency
- gathering spaces, and amenities for daily use like bathrooms or covered space for special outdoor events, etc), building upgrades, Library site.
- building upgrades, lighting and signage, gathering spaces, and amenities for daily use like bathrooms or covered space for special outdoor events. Consider a library site on the green as a solar support building.
- building upgrades, gathering spaces, covered space for special outdoor event
- bathroom shower kiosk, solar recharge for devices, EV recharge, solar farm and battery , solarize library
- Gathering spaces, bathrooms, covered spaces
- all of the above
- Bathroom kiosk for tourists or locals walking. The ballpark could be used for large events.
- evacuation shelter/building amenities/public access to restrooms/indoor gathering space
- all of the above plus: workshops and classes offered in emergency preparedness and survival skills. opportunities for neighborhood specific gatherings for planning neighborhood specific disaster action.

7. EXTERNAL OPPORTUNITIES

What local objectives or other planning initiatives surrounding or near the Civic Campus that might be leveraged through this project? This could include local goals, amenities being planned or desired, related projects or plans that might help others in a hazard event (e.g. help to access the Civic Campus from trails with wayfinding signage or lighting of trailheads, safety improvements, etc.).

- *The library expansion, community park redesign, expansion of outdoor events such as the Farmers Market or art shows.*
- *Same as above - no lights unless they can be configured to only turn on in the event of a power outage. For additional solar panels, rather than build canopies, consider utilizing neighboring homes. Win-win for the community and those homeowners.*
- *Trails near the campus are clear and well known to citizens. Signage may be helpful away from the core - we have well developed maps located at most trailheads but this could always be improved. I do not believe trail lighting would be well received. Possibly, make some of the informal "cutoffs" better identified (i.e. between 3rd and 4th street). Large projects might be to stabilize Oceanview Drive which is very close to the bluff edge.*
- *upgrading/securing water and water treatment, connecting to the fire department and their resources in an event of a hazard, supporting resources needed to help the church deliver services in a time of need*
- *There is a trolley being discussed. It would be a hybrid. We do have an emergency operations plan in place. We are discussing installing a new antenna on city hall for communication. There is an old one on top of the commons that is not in use.*
- *The examples displayed above sound relevant.*
- *Items noted above plus location to rent locker space for personal emergency item storage.*
- *Don't take down the trees on the west side of the campus.*
- *Pretty much anything we do to assist people in an emergency - signage, info on resources, alternate power and/or charging stations, improved trails, better buildings - will benefit the community all year round. About the only things that are specific to emergency management are things like body bags, water purification, and those sorts of items specific to the loss of life and infrastructure. I can't see a downside to investing in any kind of emergency preparedness, and most of it will benefit us all year round on a less alarming level.*
- *independent power system*
- *Not sure*
- *Safety improvements*
- *library improvement, lighting*
- *Dog park*
- *Build the library which would be more up to code and made to handle a tsunamis behind city hall in the green space, but still leaving some green space for a park.*
- *The Committee's grant would help the Library with their build. We would be able to move the library to a much more desirable location, offer shelter and services as needed.*
- *Enclose the pavillion*
- *See #1.*
- *Emergency gathering space for heat and food preparation.*
- *How can existing local businesses be converted quickly in an emergency situation to meet the needs of the population in the event of a large emergency? Would an inventory of existing equipment and amenities within local businesses be useful so that there could be a diversity of options for affected people in addition to civic buildings in case this is needed (e.g., a medium tsunami wipes out buildings west of Hwy 101)?*
- *signage, safety*
- *Water source (if available) - means of water sterilization - storage of potable water*
- *Library project*
- *Local transportation in and around Yachats. An electric trolley. Have a place to charge it.*
- *Emergency lighting in the parking lots and on the streets around the Commons.*

Paper Survey Responses

- *Some kind of system in place so that anyone trained or not can be in charge if necessary and called upon to do so.*
- *emergency refrigeration, cache improvement-climatize plans for emergency management, water storage improvement, library solar energy, wind solar installation*
- *include the Lions Club*
- *Utilize 2 churches close together. Two closest restaurants. Signage fir caches and water tanks.*
- *not sure*
- *Trailhead lighting to be used only in the event of a disaster such as a tsunami and a covered area at top of evacuation trail.*
- *ADA accessible transportation, 3electric car share program,e-bike share program*
- *We support all ideas.*

8. END COMMENTS : Feel free to share any other comments and/or questions

- *Your team has been an absolute joy to work with. Thank you so much for all you're doing for our community.*
- *I think your committee needs to provide a more thorough explanation about the differences between past reports about the anticipated inundation levels in Yachats from a Cascadia event and the ones that were shared in the meeting where your committee first met with me. There is a wide disparity between the two and it was not clear to me why. At this point I choose to not make an issue of that because it seems the vision for upgrading the Civic Campus area has value in the meantime. It may, however, be giving a false sense of security that keeps people from taking personal preparedness actions.*
- *Regret I cannot attend but did forward to all VtF board members*
- *I very much appreciate what the group is attempting to do. I think this is an amazing community and this would fit in perfectly once the community understands what's available and understands resiliency and how it will affect them personally. Unfortunately, I don't think the Community understands what's at stake and how this when needed will be a gift from the gods!*
- *We live south of the bridge so it would be nice to think about in the future of some type of area designed to support all the people south of the bridge with shelter in case of a tsunami.*
- *Preserve green space*
- *Great concepts here! Great job!*
- *Thanks*
- *We must accommodate for possible expansion of the Commons Building*
- *Power system components should be contained in a separate build outside of the commons. Opportunity to expand the Commons building should be considered in the site for the solar canopies.*