

Grand Traverse Band of Ottawa and Chippewa Indians Hazard Mitigation Plan Update

October 21, 2021



**Networks
Northwest**

Talent / Business / Community



Welcome

- Thank you for joining us!
- We will be discussing the following:
 - Purpose and Process
 - Results of the Community Survey



Introductions

- Networks Northwest Staff
 - Jennifer Neal, AICP
 - Stephanie Loria
 - Frank Post
- Community Partners

Purpose

Hazard Mitigation Planning

“The effort to reduce loss of life and property by lessening the impact of disasters”

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Billion-Dollar Disasters Shattered U.S. Record in 2020

The 22 events that each caused at least \$1 billion in damage show the increasing costs of climate change

By Thomas Frank, E&E News on January 11, 2021



An aerial view of flood waters from Hurricane Delta surrounding structures destroyed by Hurricane Laura on October 10, 2020 in Creole, Louisiana. Credit: Mario Tama Getty Images

Project Timeline

- Now through December 2023



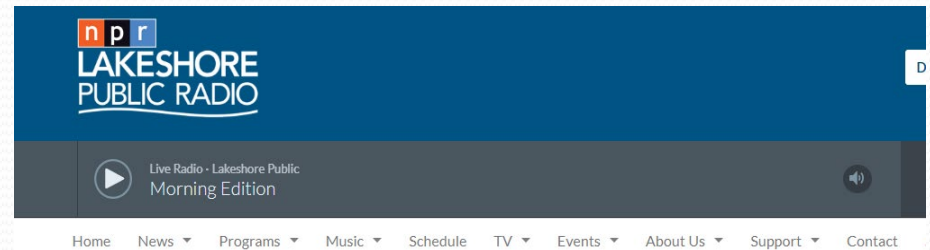
From Fishtown To State Theatre, High Waters Wreak Havoc - With Trend Likely To Continue

By Beth Milligan | Nov. 18, 2019

The impacts of near-record lake levels will continue to be felt this winter, with major repair projects needed at sites ranging from Fishtown to the State Theatre, planning

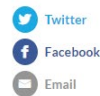
Community Involvement and Engagement

- LPT meetings
- Public engagement
- Community Survey



Great Lakes water levels surge, some record highs predicted

By ASSOCIATED PRESS • MAY 7, 2019



CREDIT ROBERT FRANKLIN / SOUTH BEND TRIBUNE VIA AP

GTB Hazard Mitigation Community Survey Responses from 10/4/21 to 10/20/21

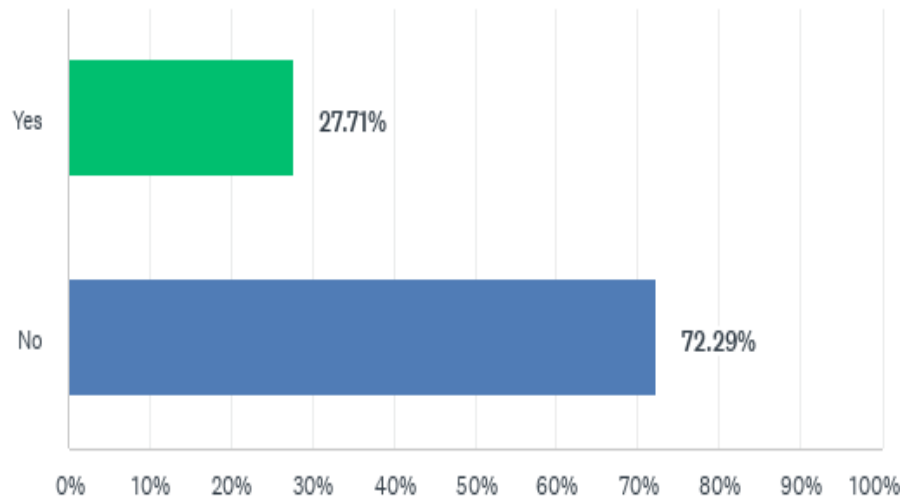
83 Responses!

(Original email invite from Networks Northwest to 29
persons.)

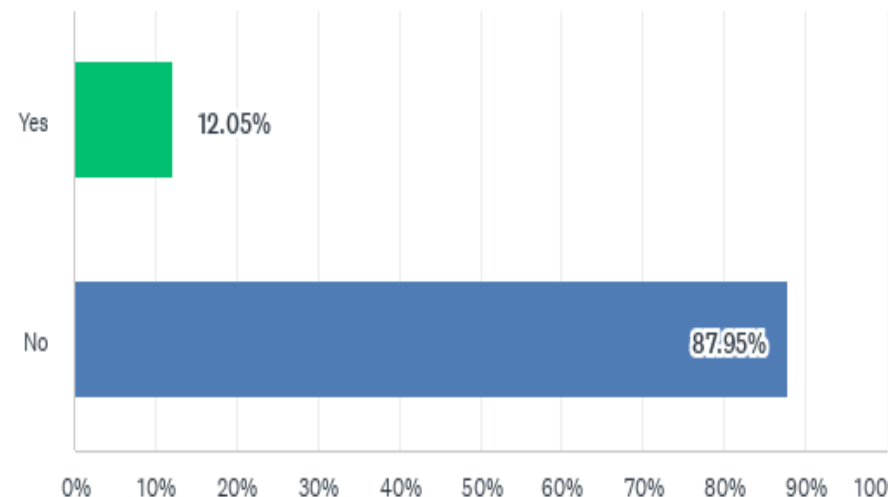
Representation:

Tribal Government Employees and Citizens/Tribal Members	
Housing Manger	Lead Great Lakes Fisheries Biologist
Teacher	Public Works
Fire/Police/Public Safety	Grand Traverse Band Economic Development Corp.
Behavioral Health Counselor	Tribal Prosecutor
Registered Nurse - Clinic	GTB Agricultural Coordinator

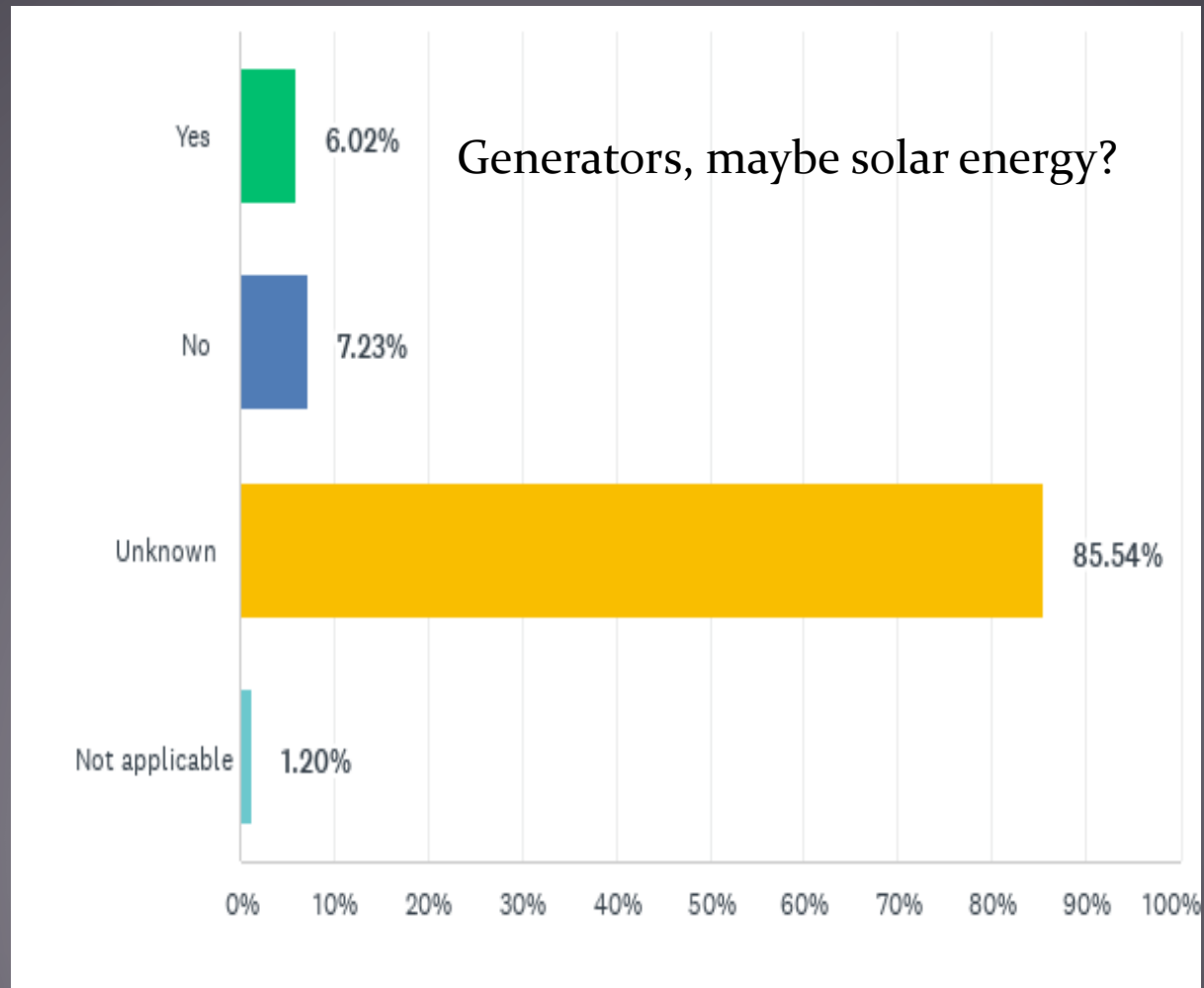
Are you familiar with
the Tribe's Natural
Hazard Mitigation
Plan?



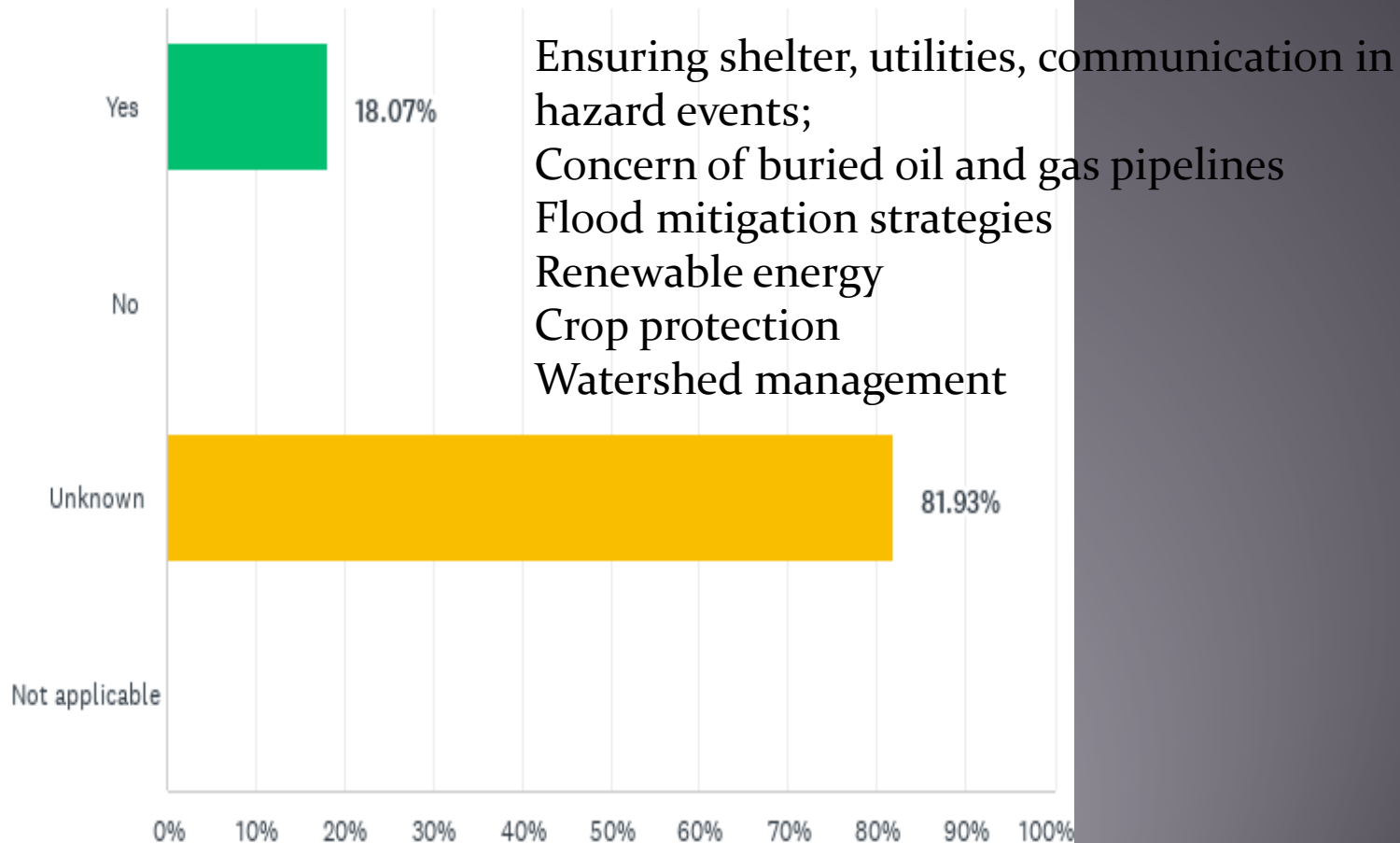
Have you been
involved in a natural
hazard mitigation
planning process
before?



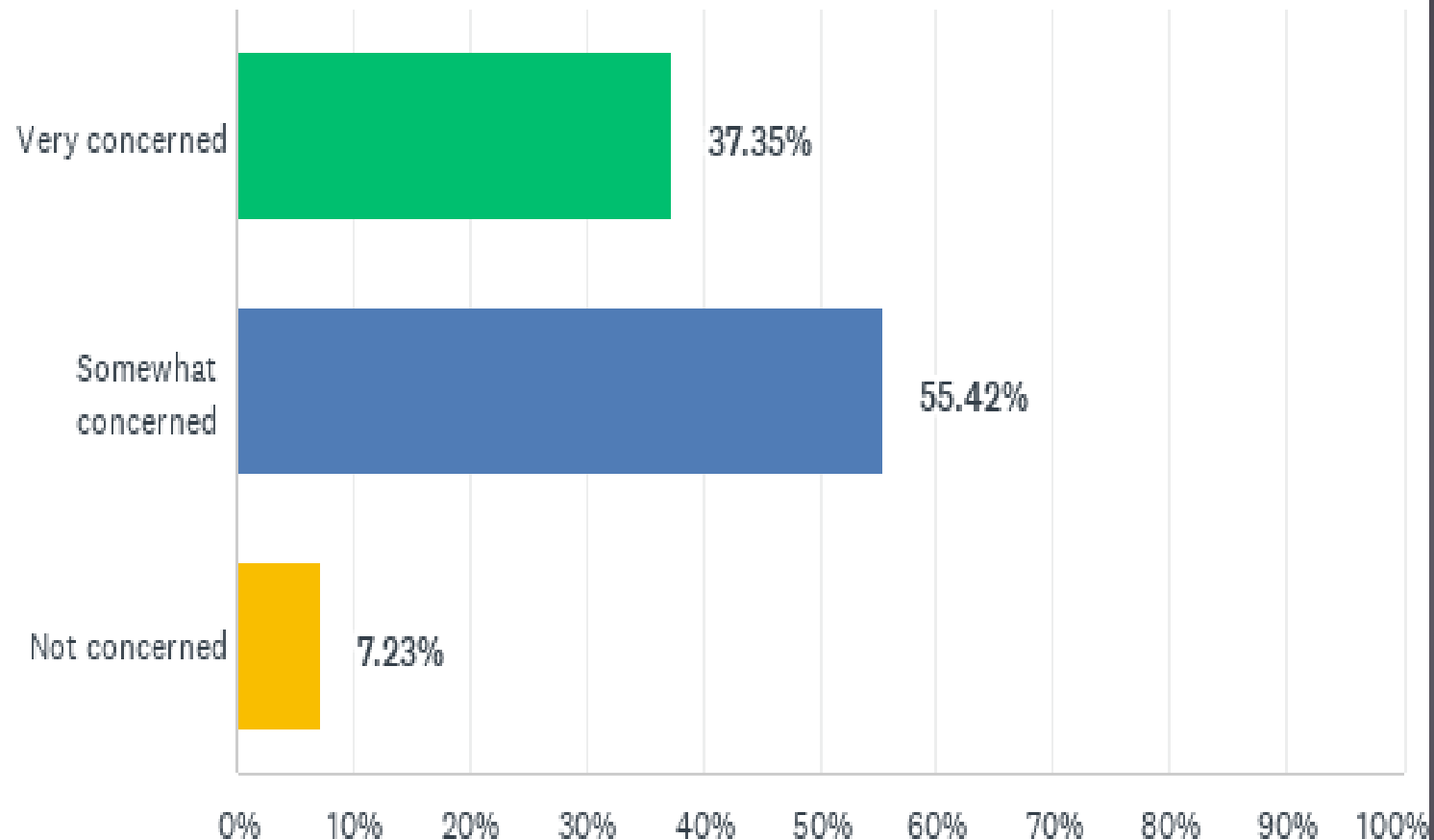
Has your community requested assistance for mitigation projects in the past?



Has your community considered mitigation strategies for potential or current hazards?



How concerned are you about future natural hazard events impacting your community?



What type of natural hazard events are likely to have the largest impact on your community (for example: fire, flood, drought, illness outbreak, etc.)?



A word cloud of natural hazard events. The words are arranged in a horizontal, slightly curved layout. The words are: water, Flood, tornado, drought, related, weather, roads, flooding, outbreak, illness, power, outages, illness outbreak, blizzard, fire, damage, storms, loss, impacts, severe, weather, SNOW. The words are in various shades of blue and green, with some words being larger than others.

water Flood tornado drought related weather roads flooding outbreak
Illness power outages illness outbreak blizzard
fire damage storms loss impacts severe weather SNOW

Q6 Does your community have concerns that a natural hazard event in the future would require investment in new and/or upgraded infrastructure and technology (renewable energy, improved stormwater management, internet/cellular, etc.)? Please describe.

lines Communication internet cellular storm power infrastructure
community service renewable energy concern
yes upgrade need areas sure unknown internet energy

Have there been any negative impacts on the public health and/or natural environment of your community that you attribute to climate change?

Erosion cold winters fish aware change due climate change
climate change issues caused humans Yes
invasive species water environment sure know impacts warmer

Is there any additional information you would like us to consider as we update the Tribe's Natural Hazard Mitigation Plan?

- Belanger Creek bridge – potential washout
- Energy efficiency, solar/wind power, generators readily available for power outages
- Incorporate traditional Anishinaabek values when considering future endeavors and long-term impacts on the environment
- Food sovereignty – sustainable agricultural practices and development
- Lakeshore erosion
- Community shelter space
- Public education on planning for potential or imminent natural threats
- Transparency and communication to the community on the Hazard Mitigation Plan



Next Steps

- Identify potential Advisory Team members
- Solicit additional Community Survey responses
- Establish web presence
- Prepare community profile and hazard analysis
- Next group meeting



Thank you!

- Any questions??