

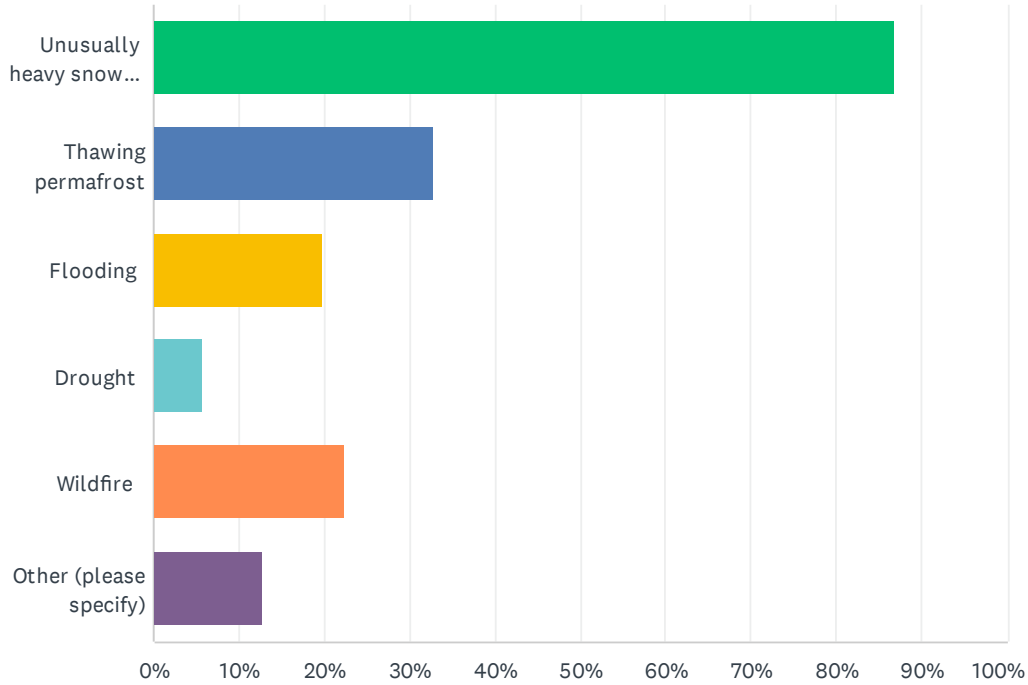
Summary of Community Survey Responses

APPENDIX C



Q1 Has your home, property, or business been affected by any of the following climate-related impacts? (Select all that apply)

Answered: 241 Skipped: 13



ANSWER CHOICES	RESPONSES
Unusually heavy snow and/or winter rain events	86.72% 209
Thawing permafrost	32.78% 79
Flooding	19.92% 48
Drought	5.81% 14
Wildfire	22.41% 54
Other (please specify)	12.86% 31
Total Respondents: 241	

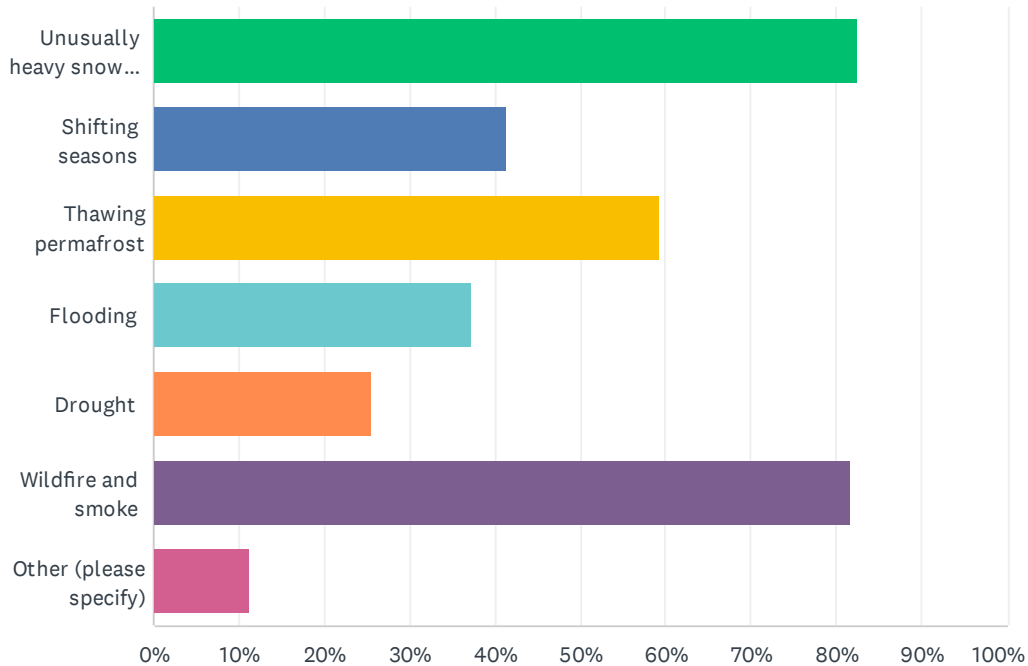
#	OTHER (PLEASE SPECIFY)	DATE
1	smoke from wildfires	8/26/2022 8:59 AM
2	Wildfire Smoke	8/25/2022 1:15 PM
3	high winds	8/12/2022 12:00 PM
4	None of the above.	8/6/2022 3:51 PM
5	Have not been affected	8/6/2022 3:22 PM
6	strong winds, power outages	8/2/2022 12:23 PM
7	Nothing affected	8/1/2022 9:24 PM

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8	most of my spruce trees are infested with beetles. I live near UAF.	8/1/2022 3:27 PM
9	Heat	7/8/2022 5:37 PM
10	increasing summer precipitation, increasing number of smoky days, increasing summer temps	5/23/2022 8:06 AM
11	None of the above	5/18/2022 5:11 PM
12	Rising fuel costs	5/15/2022 4:07 PM
13	Its crazy, every year it snows and everything freezes then eventually it thaws. It seems to corrispond to that bright ball in the sky that is rarely seen in the winter time and here all the time in the summer..	5/15/2022 2:41 PM
14	I don't own any of the above mentioned	5/14/2022 4:38 PM
15	No impact	5/14/2022 10:24 AM
16	It's all happened before.	5/13/2022 3:08 PM
17	None	5/13/2022 2:40 PM
18	intermittent hazardous air quality in the environment	5/9/2022 3:56 PM
19	Smoke from wildfire; fortunately, so far, no closer threat	5/6/2022 5:25 PM
20	None	5/4/2022 9:30 PM
21	No affects noticed	5/4/2022 5:29 PM
22	NOTHING	5/4/2022 1:52 PM
23	Home has exposure to worse air quality and increased damage from snow, ice, and flooding.	5/3/2022 1:37 PM
24	Flooding due to snow dumps	4/30/2022 10:36 AM
25	aliens	4/29/2022 12:56 PM
26	None	4/27/2022 4:59 PM
27	No	4/27/2022 12:22 PM
28	Ecosystem disruption	4/26/2022 12:59 PM
29	A small wildfire burned within 100 yards of our house but did not burn our property.	4/24/2022 2:12 PM
30	Increasing cloud cover reducing solar panel energy output on home PV array	4/24/2022 11:05 AM
31	Food insecurity	4/24/2022 10:01 AM

Q2 Which weather-related changes are of particular concern to you? (Select all that apply)

Answered: 246 Skipped: 8



ANSWER CHOICES	RESPONSES
Unusually heavy snow and/or winter rain events	82.52% 203
Shifting seasons	41.46% 102
Thawing permafrost	59.35% 146
Flooding	37.40% 92
Drought	25.61% 63
Wildfire and smoke	81.71% 201
Other (please specify)	11.38% 28
Total Respondents: 246	

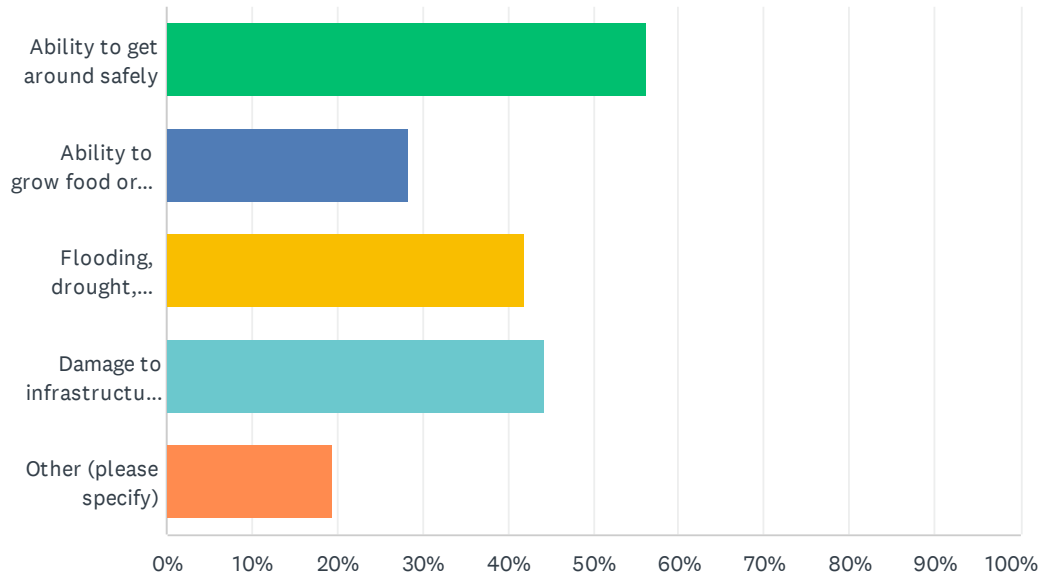
#	OTHER (PLEASE SPECIFY)	DATE
1	any further applicable changes	10/1/2022 4:09 PM
2	Impact on people	9/27/2022 8:17 PM
3	My concerns go beyond my property lines and around the world.	9/27/2022 5:13 PM
4	All of the above	9/27/2022 11:47 AM
5	Not concerned, everything mentioned above is typical weather throughout the years in Alaska	8/6/2022 3:51 PM
6	Have not been affected	8/6/2022 3:22 PM

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7	Winter Air Quality	8/5/2022 3:52 PM
8	power outages	8/2/2022 12:23 PM
9	Extended heat waves	7/8/2022 5:37 PM
10	increasing summer temps, above-freezing days in winter	5/23/2022 8:06 AM
11	warmer winters	5/20/2022 11:46 PM
12	None of the above	5/18/2022 5:11 PM
13	Winds and storms	5/15/2022 4:07 PM
14	Mostly to the liberal mind which leads to infringement of everyone elses rights...	5/15/2022 2:41 PM
15	None	5/14/2022 5:09 PM
16	No concerns	5/14/2022 10:24 AM
17	None	5/13/2022 2:40 PM
18	None	5/4/2022 9:30 PM
19	No changes noticed	5/4/2022 5:29 PM
20	NONE	5/4/2022 1:52 PM
21	Government believing they can impact any of the above.	5/4/2022 7:15 AM
22	The bot -65 winters we used to have	4/30/2022 10:36 AM
23	None	4/27/2022 4:59 PM
24	None	4/27/2022 12:22 PM
25	Rivers unsafe in winter, trails flooded in winter	4/27/2022 10:21 AM
26	Ecosystem disruption	4/26/2022 12:59 PM
27	Insect outbreaks	4/25/2022 10:37 AM
28	food security	4/23/2022 9:38 PM

Q3 Has your livelihood been affected by any of the following climate-related impacts? (Select all that apply)

Answered: 176 Skipped: 78



ANSWER CHOICES	RESPONSES
Ability to get around safely	56.25% 99
Ability to grow food or hunt and fish	28.41% 50
Flooding, drought, wildfire, or extreme weather	42.05% 74
Damage to infrastructure, including homes and businesses	44.32% 78
Other (please specify)	19.32% 34
Total Respondents: 176	

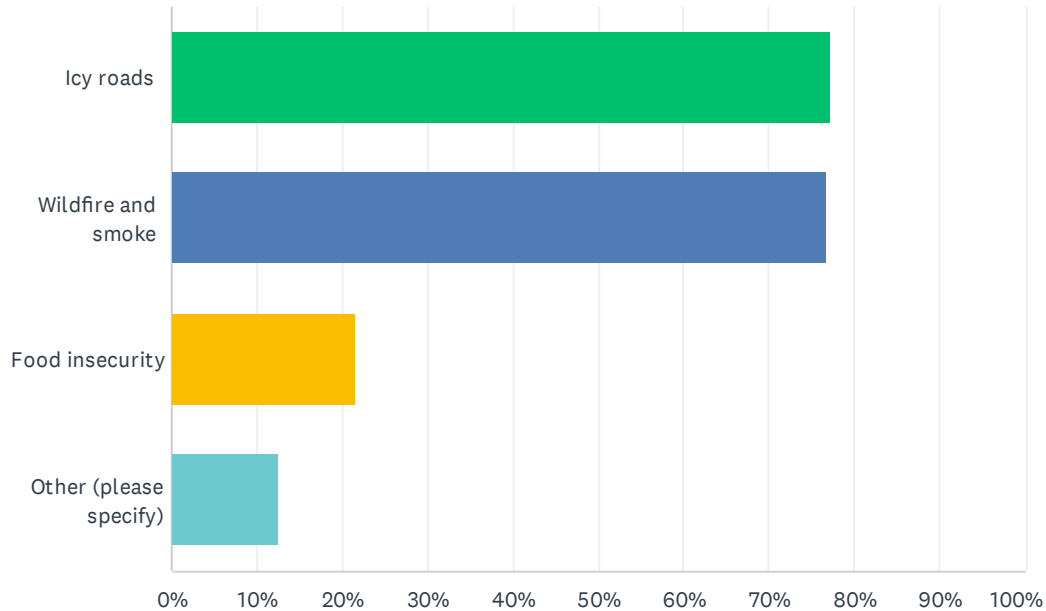
#	OTHER (PLEASE SPECIFY)	DATE
1	My body cannot handle the smoke in the summers and horrible air quality in the winter	10/1/2022 4:27 AM
2	Radical weather changes make planning difficult.	9/27/2022 5:13 PM
3	Smoke, Air pollution, and the increase in pollen from warming temperatures have severally affected my health, had to be hosipitalized multiple times.	9/27/2022 11:47 AM
4	melting permafrost	8/16/2022 4:48 PM
5	None	8/10/2022 12:13 PM
6	Livelihood has not been affected.	8/6/2022 3:51 PM
7	Have not been affected	8/6/2022 3:22 PM
8	Poor air to breathe during fires - health	8/5/2022 10:15 PM
9	Permafrost melting causing destruction of roads	7/8/2022 9:56 PM

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10	Smoke from fires limits outdoor activities.	5/26/2022 8:32 AM
11	injuries from ice, vehicle damage	5/23/2022 8:06 AM
12	It is getting easier to grow food and hunting and fishing only seem to be getting better.	5/18/2022 5:11 PM
13	Too much unnecessary regulation	5/15/2022 4:07 PM
14	no	5/15/2022 2:41 PM
15	Not really	5/14/2022 5:09 PM
16	Cost of living	5/14/2022 4:38 PM
17	I would say ability to get around but i don't want this to be construed as vehicular travel constraints. I bike, walk, and take the bus when i can't bike or walk. It's harder to do that in the winter when, for instance, plows push snow *from* the road *onto* the sidewalks. This is unfair policy unless there is a vehicular or road tax that I'm not aware of.	5/14/2022 11:49 AM
18	No affect	5/14/2022 10:24 AM
19	None	5/13/2022 2:40 PM
20	power outages due to trees down on powerlines during storms, ice conditions causing school closures	5/9/2022 3:56 PM
21	None	5/4/2022 9:30 PM
22	Not affected	5/4/2022 5:29 PM
23	NOT AT ALL	5/4/2022 1:52 PM
24	Burn Bans in non-attainment areas- Affects our ability to heat our homes economically	5/4/2022 9:20 AM
25	Retired so livelihood not affected	5/4/2022 8:16 AM
26	Again flooding from snow dump on farmers loop. The water is 3 foot deep i have a 3 inch gas pump running 24 7	4/30/2022 10:36 AM
27	things	4/29/2022 12:56 PM
28	No	4/27/2022 7:11 PM
29	Hasn't effected it at all	4/27/2022 4:59 PM
30	None	4/27/2022 12:22 PM
31	Depression and anxiety	4/26/2022 12:59 PM
32	No	4/25/2022 7:32 AM
33	No. My livelihood has not been affected	4/23/2022 10:47 PM
34	18 foot deep sinkhole on our only access road, no road service area, \$10K to fix hole and improve drainage so melt water does not undercut road via sinkhole; another 10 ft sinkhole on property was \$400 dozer work so drop off edge was not too abrupt	4/23/2022 9:23 PM

Q4 Has your health and safety been affected by any of the following climate-related impacts? (Select all that apply)

Answered: 237 Skipped: 17



ANSWER CHOICES	RESPONSES
Icy roads	77.22% 183
Wildfire and smoke	76.79% 182
Food insecurity	21.52% 51
Other (please specify)	12.66% 30
Total Respondents: 237	

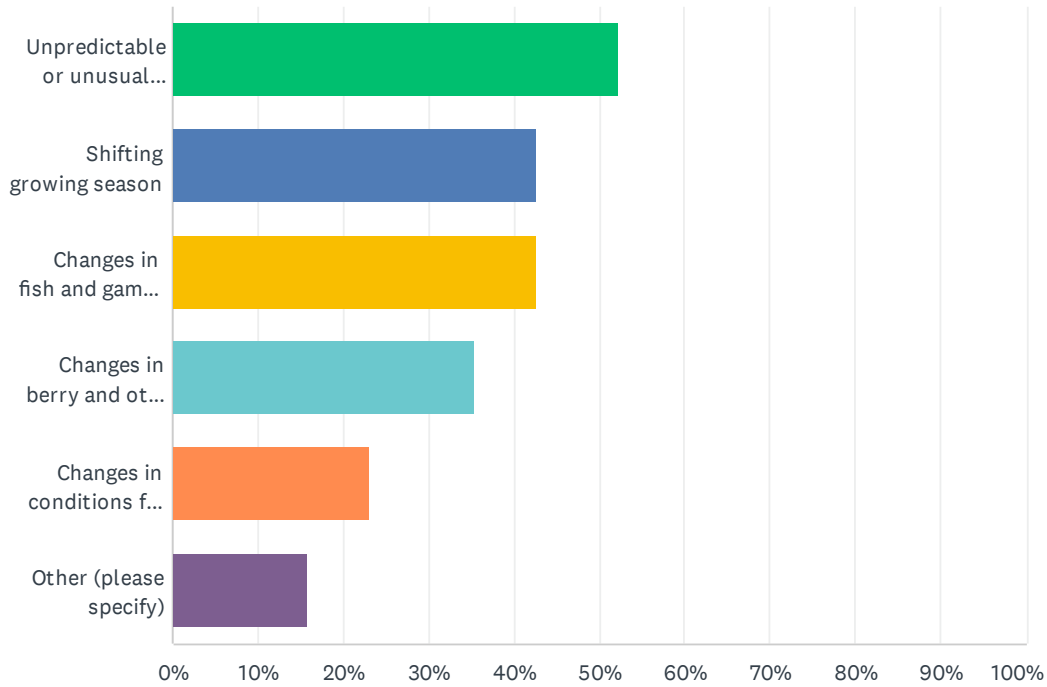
#	OTHER (PLEASE SPECIFY)	DATE
1	The icy roads was not the impact it was actually icy sidewalks which had me walking along side the roadway beside the sidewalk when Mac's Buses were not in service (2020)	10/1/2022 4:09 PM
2	My mental health has suffered from climate disaster after disaster	9/27/2022 5:13 PM
3	None	8/10/2022 12:13 PM
4	Air Quality is a huge environmental concern. Wildfire smoke can be incapacitating for everyone!	8/10/2022 5:57 AM
5	Falling trees due to melting permafrost, freezing rain, and heavy snow loads.	8/9/2022 2:15 PM
6	Health and safety has not been affected by what you consider climate-related impacts	8/6/2022 3:51 PM
7	Have not been affected	8/6/2022 3:22 PM
8	fall from icy sidewalks, allergies from increasing pollen, fall from ladder	5/23/2022 8:06 AM
9	air pollution from coal and cars, particularly in winter	5/20/2022 11:46 PM

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10	None of the above	5/18/2022 5:11 PM
11	Aggressive government officials	5/15/2022 4:07 PM
12	Before the industrial revolution there was no icy conditions, I blame the borough for being incooperated	5/15/2022 2:41 PM
13	Mental health	5/15/2022 11:56 AM
14	No	5/14/2022 5:09 PM
15	As above, i don't want roads to equate to vehicular, not pedestrian, traffic.	5/14/2022 11:49 AM
16	High taxes, ever increasing. Less money for food and necessities.	5/14/2022 11:05 AM
17	No affect	5/14/2022 10:24 AM
18	No	5/13/2022 2:40 PM
19	power outages during winter storms	5/9/2022 3:56 PM
20	None	5/4/2022 9:30 PM
21	As a 53 year resident of Fairbanks the climate variations seem normal to me	5/4/2022 5:29 PM
22	Really? Is this a joke?	5/4/2022 1:52 PM
23	Burn Bans in non-attainment areas- Affects our ability to heat our homes economically	5/4/2022 9:20 AM
24	Food insecurity due to gov't meddling.	5/4/2022 7:15 AM
25	Mental health regarding climate future for me and my family	4/30/2022 7:45 PM
26	due to pandemic not climate change	4/28/2022 8:32 AM
27	None	4/27/2022 7:11 PM
28	I'm Alaskan we roll with it	4/27/2022 4:59 PM
29	None	4/27/2022 12:22 PM
30	Distribution fragility	4/26/2022 12:59 PM

Q5 Has your ability to grow or harvest food been affected by any of the following climate-related impacts? (Select all that apply)

Answered: 178 Skipped: 76



ANSWER CHOICES	RESPONSES
Unpredictable or unusual weather	52.25% 93
Shifting growing season	42.70% 76
Changes in fish and game populations	42.70% 76
Changes in berry and other plant resources	35.39% 63
Changes in conditions for traveling to hunting, fishing, or gathering locations	23.03% 41
Other (please specify)	15.73% 28
Total Respondents: 178	

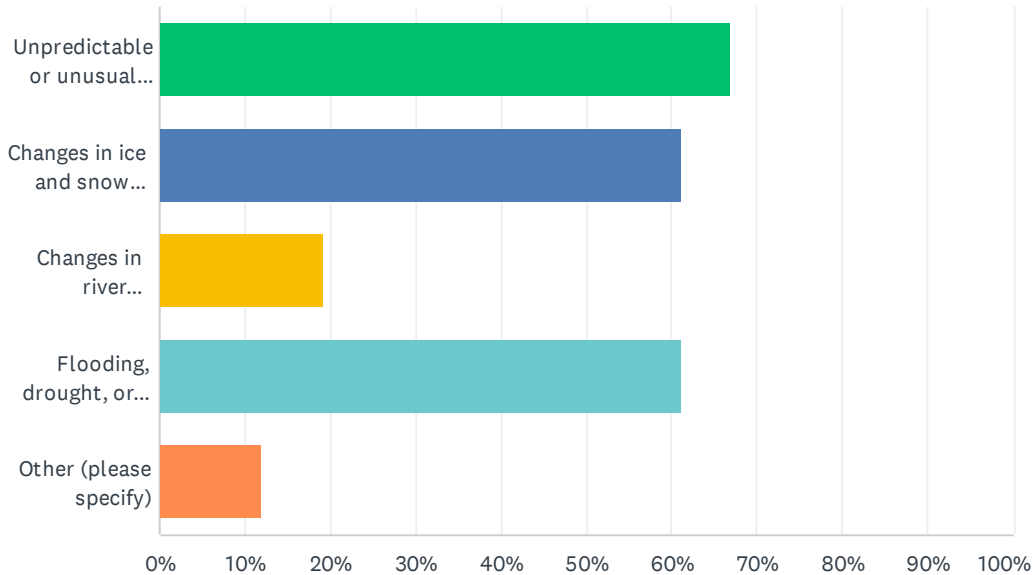
#	OTHER (PLEASE SPECIFY)	DATE
1	Increased ability to grow food	11/16/2022 2:27 PM
2	n/a at this time but had I had a garden it could have been due unusual weather	10/1/2022 4:09 PM
3	None	8/10/2022 12:13 PM
4	Best season I have ever had.	8/6/2022 3:51 PM
5	Have not been affected	8/6/2022 3:22 PM
6	cool and rainy summers, drought	5/23/2022 8:06 AM
7	The changes have all been positive.	5/18/2022 5:11 PM

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8	Harmful mandates	5/15/2022 4:07 PM
9	That damn winter alway cause everthing to die in my garden, that never happened before the term "global warming" oops I mean "climate change."	5/15/2022 2:41 PM
10	No	5/14/2022 5:09 PM
11	I haven't been in Alaska long enough to have become independent of imported food sources and thus dependent on local ones.	5/14/2022 11:49 AM
12	No.	5/14/2022 11:05 AM
13	No affect	5/14/2022 10:24 AM
14	It's all happened before.	5/13/2022 3:08 PM
15	No	5/13/2022 2:40 PM
16	note that shifting growing season is not necessarily bad; more frost free days means more gardening options	5/6/2022 5:25 PM
17	None	5/4/2022 9:30 PM
18	No changes	5/4/2022 5:29 PM
19	I can't belive we are wasting money on this.	5/4/2022 1:52 PM
20	Not yet, but anticipating	4/30/2022 7:45 PM
21	My garden is under 3 foot of water from the snow dump	4/30/2022 10:36 AM
22	improved ability to grow more food	4/28/2022 8:32 AM
23	No	4/27/2022 7:11 PM
24	No	4/27/2022 4:59 PM
25	No changes to our annual vegetables we grow	4/27/2022 12:22 PM
26	No not grow or harvest much of my food	4/25/2022 7:32 AM
27	Increasing plant pests result of longer warmer temps	4/25/2022 6:42 AM
28	extreme rains in summer have reduced effectiveness of bees for gathering honey	4/23/2022 9:23 PM

Q6 Have your recreational opportunities been affected by any of the following climate-related impacts? (Select all that apply)

Answered: 209 Skipped: 45



ANSWER CHOICES	RESPONSES
Unpredictable or unusual weather	66.99% 140
Changes in ice and snow conditions for snowmachining, mushing, skiing, or other winter activities	61.24% 128
Changes in river conditions for boating	19.14% 40
Flooding, drought, or wildfire	61.24% 128
Other (please specify)	11.96% 25
Total Respondents: 209	

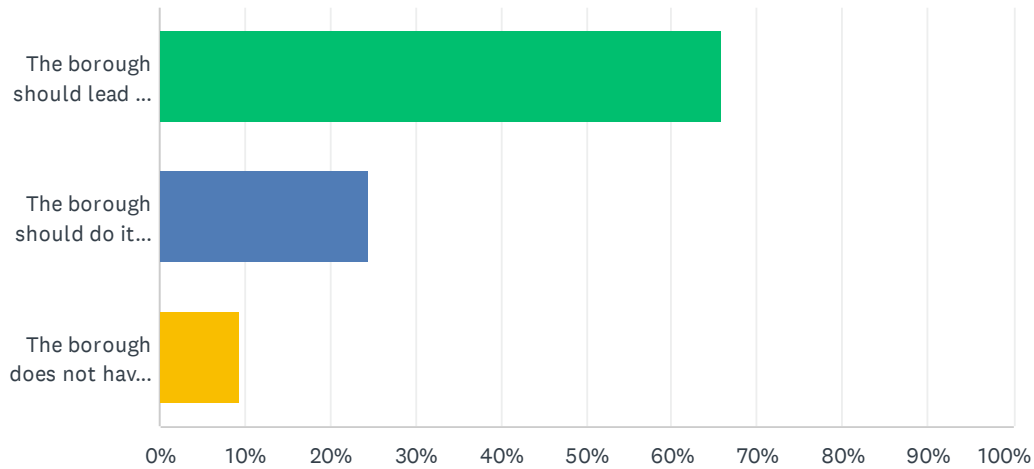
#	OTHER (PLEASE SPECIFY)	DATE
1	Little free floating glacier ice where there used to be lots, on coast when fishing.	11/30/2022 7:04 AM
2	Longer summer has increased recreational opportunities	11/16/2022 2:27 PM
3	Areas closed due to fire	8/10/2022 3:11 PM
4	None	8/10/2022 12:13 PM
5	Still do the same recreational options I have always done, so NO, recreational opportunities have not been affected	8/6/2022 3:51 PM
6	Have not been affected	8/6/2022 3:22 PM
7	Smoke makes outdoor activities like running or biking difficult	7/29/2022 3:47 PM
8	Wild fire and smoke making it hard to be outdoors	7/8/2022 9:56 PM
9	Smoke from wildfires	5/26/2022 8:32 AM

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10	increasing summer precipitation muddies the river, which impacts fishing	5/23/2022 8:06 AM
11	None of the above	5/18/2022 5:11 PM
12	Trails near home flooding, muddy, water table higher - causing ground to be easily damaged, muddy, no good as a summer trail anymore	5/16/2022 9:18 PM
13	Antisocial mandates	5/15/2022 4:07 PM
14	My boat just wont go in the white cold stuff that all the capitalists made	5/15/2022 2:41 PM
15	No affect	5/14/2022 10:24 AM
16	No	5/13/2022 2:40 PM
17	Fish populations also affected by climate change, affecting our recreational fishing and fishing for subsistence	5/11/2022 9:53 PM
18	None	5/4/2022 9:30 PM
19	No changes	5/4/2022 5:29 PM
20	No	5/4/2022 1:52 PM
21	Warm winters have made it hard to travel by river to my cabin i live half the year	4/30/2022 10:36 AM
22	No	4/27/2022 7:11 PM
23	No we are use to weather it's called Mother Nature	4/27/2022 4:59 PM
24	No, just regular weather, I don't notice the less than one degree celsius increase since man began to record world temperatures	4/27/2022 12:22 PM
25	Wind conditions	4/25/2022 6:42 AM

Q7 Climate change is a global problem, but we all contribute to it through greenhouse gas emissions. What responsibility does the borough have to reduce its emissions? (select one)

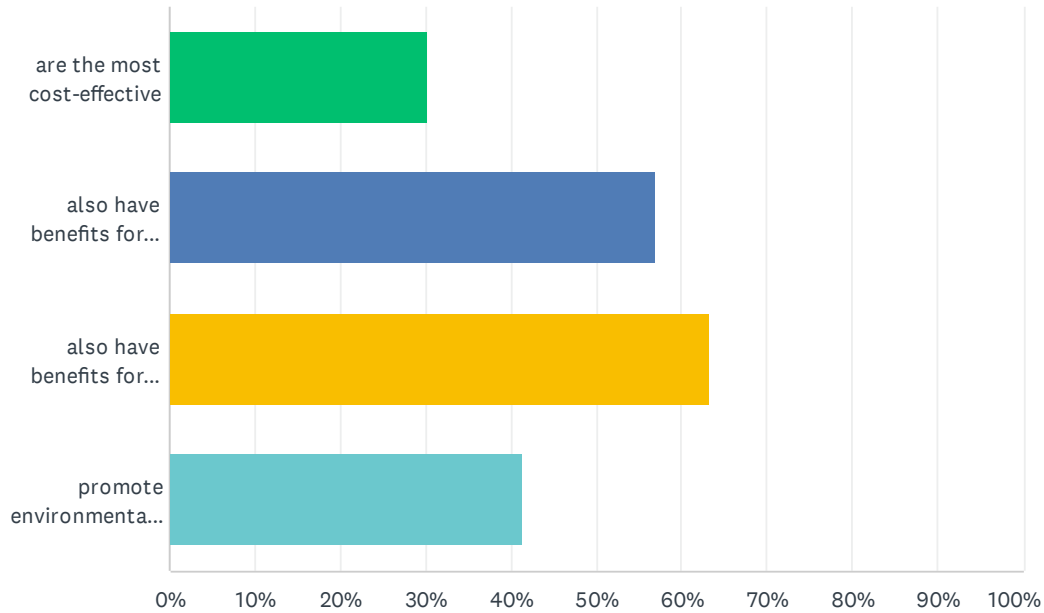
Answered: 244 Skipped: 10



ANSWER CHOICES	RESPONSES	
The borough should lead the way and serve as a model for other remote, northern cities	65.98%	161
The borough should do its part to reduce emissions to safe levels	24.59%	60
The borough does not have a responsibility to reduce its emissions	9.43%	23
TOTAL		244

Q8 When considering different ways to reduce emissions, the borough should prioritize measures that (choose two):

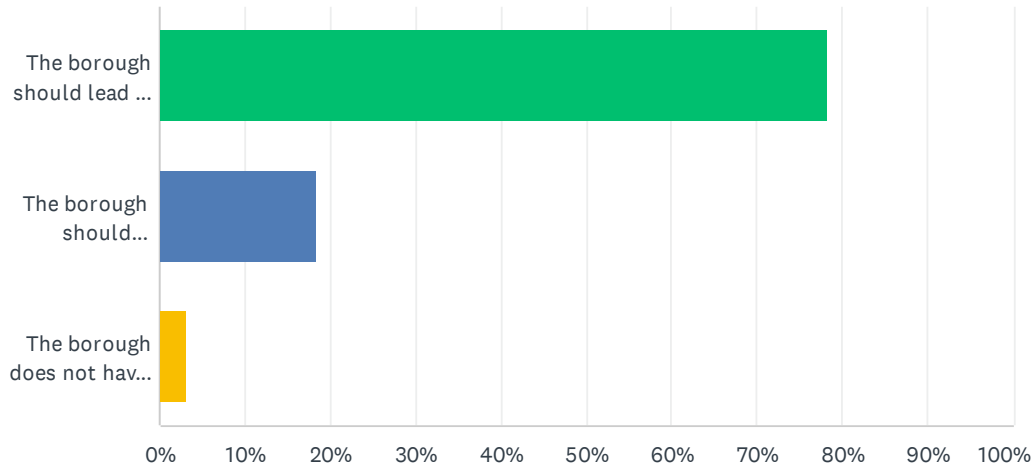
Answered: 237 Skipped: 17



ANSWER CHOICES	RESPONSES	
are the most cost-effective	30.38%	72
also have benefits for human health	56.96%	135
also have benefits for ecosystem health	63.29%	150
promote environmental justice	41.35%	98
Total Respondents: 237		

Q9 What responsibility does the borough have when it comes to adaptation?

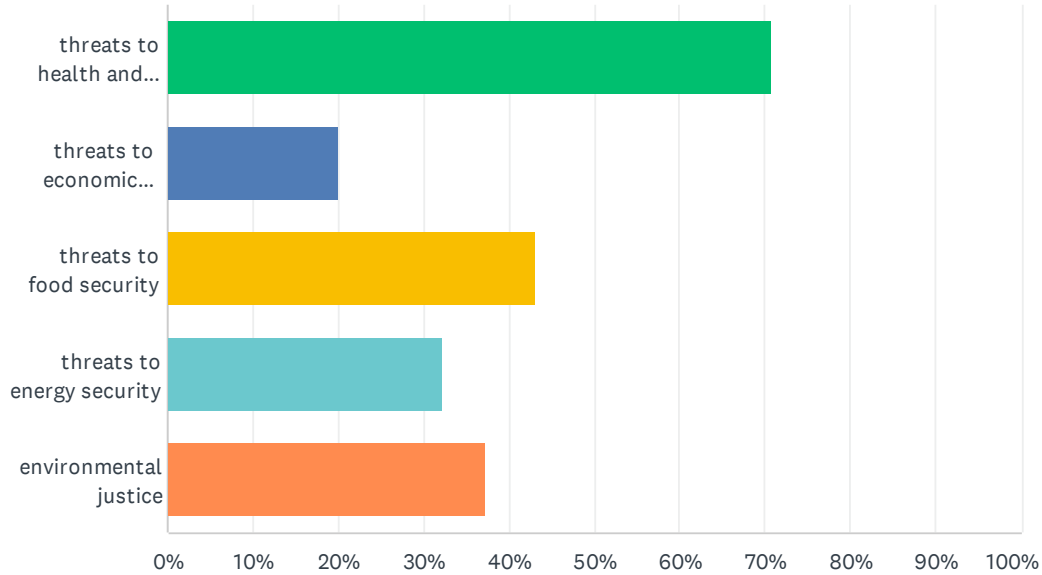
Answered: 244 Skipped: 10



ANSWER CHOICES	RESPONSES	
The borough should lead the way in understanding local climate risks, ensuring the safety of its assets, and helping create a truly resilient community	78.28%	191
The borough should reasonably protect its assets from likely risks	18.44%	45
The borough does not have a responsibility to protect its assets from likely risks	3.28%	8
TOTAL		244

Q10 When considering different adaptation measures, the borough should focus on addressing (choose two):

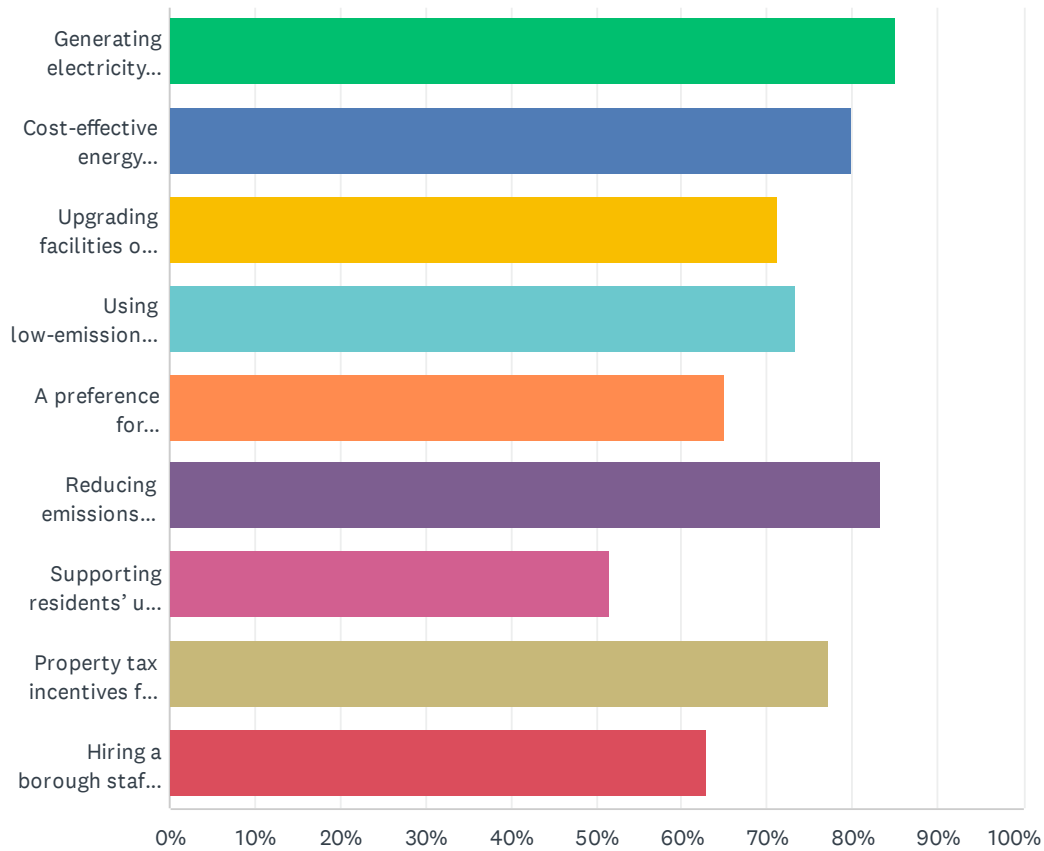
Answered: 239 Skipped: 15



ANSWER CHOICES	RESPONSES	
threats to health and safety (e.g., icy roads, wildfire smoke)	70.71%	169
threats to economic livelihood	20.08%	48
threats to food security	43.10%	103
threats to energy security	32.22%	77
environmental justice	37.24%	89
Total Respondents: 239		

Q11 Some ways to reduce emissions come with a cost. Would you support the following mitigation measures, even if it cost the borough a little more? (Select all that apply)

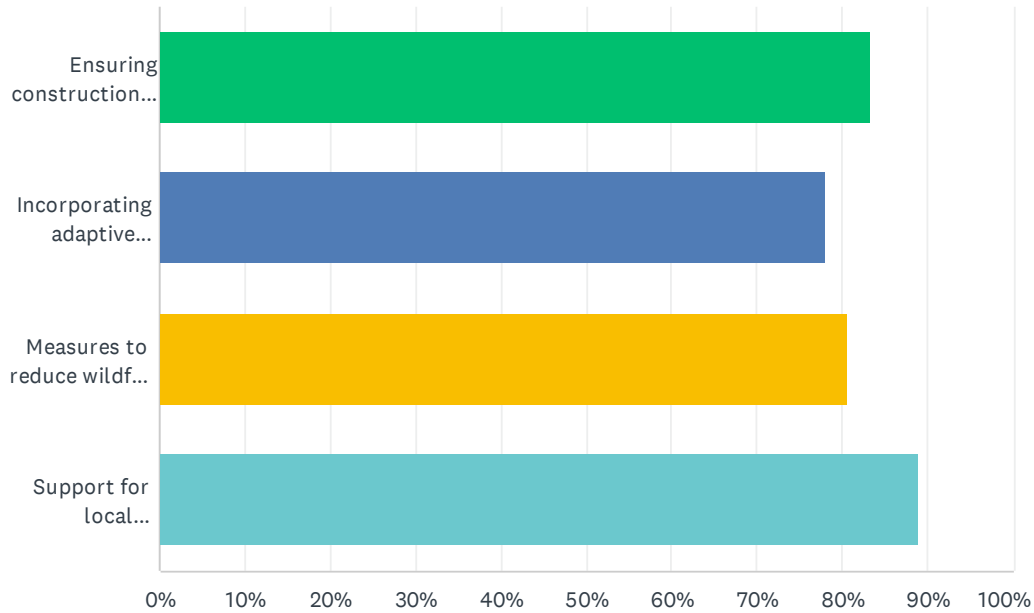
Answered: 240 Skipped: 14



ANSWER CHOICES	RESPONSES
Generating electricity from renewable sources such as solar, wind, and geothermal	85.00% 204
Cost-effective energy efficiency measures for borough facilities	80.00% 192
Upgrading facilities or building new facilities to high-efficiency standards, such as LEED (LEED is a green building rating system)	71.25% 171
Using low-emission buses or vehicles	73.33% 176
A preference for low-emission products in borough procurement	65.00% 156
Reducing emissions through waste management (e.g., recycling, composting)	83.33% 200
Supporting residents' use of electric vehicles by installing charging stations	51.67% 124
Property tax incentives for energy efficiency measures in residential and commercial buildings	77.08% 185
Hiring a borough staff person to identify and pursue mitigation measures	62.92% 151
Total Respondents: 240	

Q12 I would likely support the following adaptation measures. (Select all that apply)

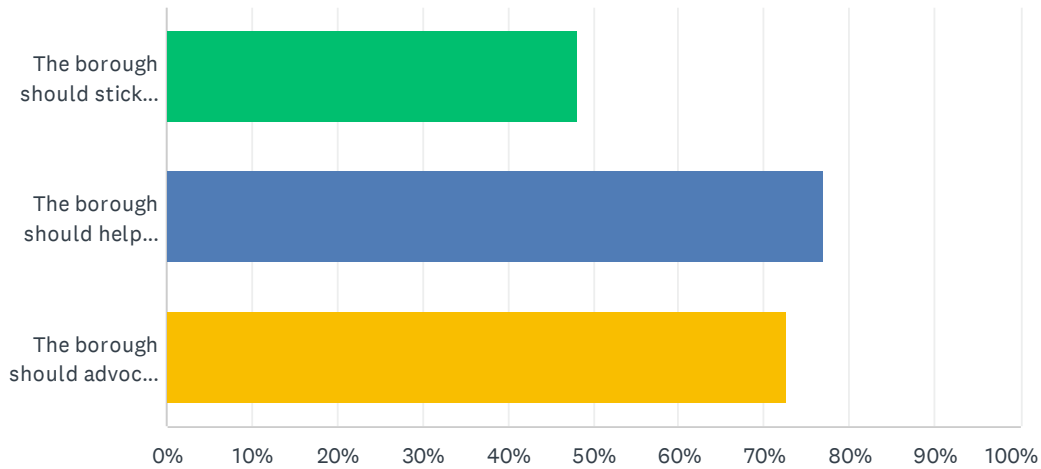
Answered: 236 Skipped: 18



ANSWER CHOICES	RESPONSES	
Ensuring construction design standards are suitable for a changing climate	83.47%	197
Incorporating adaptive management principles into borough land use planning	77.97%	184
Measures to reduce wildfire risk	80.51%	190
Support for local agriculture	88.98%	210
Total Respondents: 236		

Q13 There are many things our community could do to help that are outside the scope of this planning effort. Going forward, what role would you like to see the borough play? (Select all that apply)

Answered: 239 Skipped: 15



ANSWER CHOICES	RESPONSES
The borough should stick to protecting and reducing emissions from its own facilities and operations	48.12% 115
The borough should help residents protect their homes and businesses from likely climate impacts and help them reduce greenhouse gas emissions	76.99% 184
The borough should advocate for policies at the state and national level that will help reduce emissions and protect communities	72.80% 174
Total Respondents: 239	

Q14 If you have other ideas for how the borough could reduce its greenhouse gas emissions, please share them here.

Answered: 104 Skipped: 150

#	RESPONSES	DATE
1	Continue to host climate summit, similar to the Economic Development summit or the Defense Community meetings.	11/16/2022 5:51 PM
2	At the August 13 Public Summit, it was mentioned that the greenhouse gas emissions (ghg) for FNSB have not been measured for several years (about 15?). It seems a current measure of ghg would be a necessary piece of information in considering current action steps. In recent years, several steps have been taken by the borough, local businesses and homeowners to decrease ghg. How have these affected the local climate? There is a tendency to over-estimate the difference people can make in effecting change in the environment. Weather related-changes and their subsequent impact on our lives are a reality but not necessarily one that is within our ability to manage. It is important that an understanding of the dynamic nature of climate be incorporated into the current planning. Our ancestors have stories of travel on open water in northern regions where there is year-round ice during recent history. Climate moves naturally through cycles of warming and cooling that are not driven by the human factor. It is important that policies created to mitigate the effects of climate change not impose economic hardships on people living in our borough. It is our people that are the most important resource of our borough.	10/10/2022 8:55 AM
3	Encourage GVEA to close HEALY 2 asap. ... Encourage the public to use public transportation as oftentimes as possible ie Mac's busline and flying vs driving . By having Wind Turbines installed atop mountain ranges IF there is a guarantee the wind does blow for power energy purposes enough to pay for the said turbines and make an energy GHG emmissions difference vs a debt for the FNSB.	10/1/2022 4:35 PM
4	Increase evidenced based education for residents about the short and long term impacts of our current practices	10/1/2022 7:46 AM
5	There was an idea to make an indoor, vertical farm at UAF with one of the buildings that people barely use. You should ask if they know the engineer students who created the idea. It would have provided food to a large portion of students, faculty, and members of the public all year round. There was also a system they would use for sustainable energy. We could use more students at UAF and this is a hot topic, so many people are interested in studying sustainability and the science behind it. It wouldnt be a bad idea.	10/1/2022 4:33 AM
6	please reach out to and work with local organizations already doing this work (EX: native movement, fairbanks climate coalition, Northern Center etc)	9/30/2022 5:46 PM
7	Super insulate all borough building. Electrify all Borough Vehicles.	9/29/2022 8:58 PM
8	Prioritizing walkability, pedestrian, and public transportation matters. Fairbanks feels like a place where you can't live without a car- but promoting "beautiful sidewalks" or connecting areas through intentional efforts (arts or otherwise) could help	9/29/2022 3:46 AM
9	Hydro power generation by converting the Chena River flood control area into a flex-power generation facility in times of extremely high water. Also, taking advantage of some of the new high tech large scale battery banks to store energy from projects such as this and others from wind and solar energy generation.	9/27/2022 9:40 PM
10	Reduce our dependence on military, oil, and mining. These industries are immensely destructive, inequitable, and unsustainable. Let Fort Knox close in 2027!!! In its first-ever climate report about 15 years after recognizing climate change as an issue (https://www.kinross.com/2021-Climate-Report), Kinross acknowledges the release of 418,313 metric tonnes (461,000 tons – almost a billion pounds) CO2 from Ft Knox in 2021 and equates that to 1,583 kg (3,490 lb) of CO2 for each ounce of gold produced. The report announces reductions targets with an unsurprising caveat that the goals might not be achieved – and absurdly describes the operation as sustainable.	9/27/2022 7:51 PM

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11	Keep the sidewalks and bikepaths cleared of snow so they can be used year round. Keep the recycling center open all of the time. Issue fines to people who burn tires and building debris covered in spray foam	9/27/2022 6:56 PM
12	Need a public education campaign to reduce the size of the landfill (our "throw away" society). Items that still have use or not consumed need to be delivered to thrift shops or orgs. that can use them or put on the recycle platform at transfer sites. Landfills are a major source of greenhouse gasses. Need more repair businesses to fix broken items rather than putting in landfill. Need more comprehensive recycling program both borough wide and state wide for scale and reduced cost. Note to survey Q 8. Can't have human health without ecosystem health.	8/26/2022 9:31 AM
13	Disband programs for disposal of remote land parcels for residential use.	8/20/2022 10:07 AM
14	Indoor hydroponic agriculture	8/18/2022 3:22 PM
15	Move toward consolidation of public and school bus routes to reduce the number of empty/near empty vehicle miles and promote maximum utilization. Promotion of publically/cooperatively owned housing options closer to town with good public transport connectivity. Alternative fuel buses utilizing IGU LNG and/or landfill and sewage treatment plant methane.	8/15/2022 5:40 PM
16	Any enterprise that cuts down trees for building, clearing, or commercial use should replant trees and wild fauna	8/14/2022 5:44 PM
17	1) Consider the use of the small nuclear reactors (Eileson AFB is testing some out) to power our city. We have limited renewable resources in our interior biome. 2) Lobby for a transcontinental railroad. Not only would this help to reduce emissions, but it would also ensure a dependable conduit for shipping=food security. 3) Lobby for and fund, and create property for local agriculture. We need to grown our own food for sustainability, to reduce shipping, and for food security.	8/13/2022 11:34 AM
18	Turn down thermostat in borough facilities, switch borough facilities to clean energy sources, prioritize worst polluters (whether empty bus or leaky buildings)... and perhaps most important find inventive ways to demand the worst polluting residents clean up their act. I would love to see community composting and better waste management as mentioned above.	8/13/2022 9:58 AM
19	Improving existing and access to public transportation such as buses, and having the public transport be hybrid / electric vehicles Clean energy resources such as wind, solar, and geothermal (new solar technologies offer ice-phobic coating) Make more use of thermosiphon technology in borough buildings and in building supports For promoting community agriculture, implementing community compost could be a boon.	8/13/2022 9:56 AM
20	Reduce waste at borough AND school district facilities. This should include instituting recycling infrastructure alongside trash infrastructure. At the very least, plastic bottles #1 and #2, aluminum cans, paper, and cardboard can easily be collected. These can either be sold or stockpiled until sellable. Support schools with the knowledge, supplies, and systems to support recycling and composting of food waste.	8/12/2022 12:15 PM
21	100,000 people won't make an effect on climate change. Leave us and the borough alone. Advocate at the national level.	8/11/2022 8:33 AM
22	Energize headbolt heaters at borough facilities as level I charge points	8/10/2022 3:15 PM
23	Strongly oppose the proposed Kinross Mahn Choh Mine as it will overwhelming contribute to air pollution because of 4 double trucks an hour driving 247 miles on highways between Tok & Fairbanks. Increased traffic flow would trigger constant air quality alerts in the Tanana Valley, thereby creating unlivable conditions for too many of our citizens.	8/10/2022 6:11 AM
24	Fining vehicle owners for leaving vehicles idling for 30 minutes or more. Require plug-ins for vehicles at businesses that have more than 10 employees and/or have an average of more than 20 people in their building(s) at anytime. Waste to energy converters.	8/9/2022 2:23 PM
25	The borough could investigate the feasibility of using electric ground-source heat pumps to heat borough buildings.	8/9/2022 2:07 PM
26	Do NOT GO GREEN	8/6/2022 3:55 PM
27	The borough government should limit its action to exercising those powers specifically delegated to the borough through statute or voter authorization.	8/6/2022 3:28 PM

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28	A project called Coal Toll, where pictures of climate change are shown, and we feel empowered to facilitate meaningful change	8/6/2022 1:06 PM
29	Valencia, Spain uses leftover paella cooking oil to fuel its buses, which leaves the whole town smelling like paella.	8/5/2022 4:12 PM
30	car pooling/ use of bicycles	8/2/2022 12:26 PM
31	Solar panels on all appropriate buildings. Improve insulation where possible.	8/1/2022 9:31 PM
32	The Tanana Valley spruce trees are dying. Sooner than later, it will become evident, probably by wildfires, nearer town.	8/1/2022 3:38 PM
33	Less production, nuclear power community incentivised action	7/29/2022 3:53 PM
34	Electrify everything with clean, renewable energy providing the base load as required for heat, lights, transportation and industry. Redundant back-up systems must be maintained including pumped hydro, geothermal, wind and solar backed up with World Class BESS systems and hot water storage in homes and businesses. Every utility should be able to generate the required energy at their location in the event that the Railbelt Intertie goes down. All of this should also be backed up with natural gas or LNG, coal, and forest products in the wake of catastrophic events such as major earthquakes, floods, wildfire, Vladimir Putin, etc.	7/23/2022 5:35 PM
35	Build more bike friendly roads. I live off Goldmine Trail and there is no bike path or even bike friendly way to get out here. With E bikes better bike ways could lower emissions	7/8/2022 10:57 PM
36	Make its buildings and vehicle fleet more efficient	7/8/2022 5:40 PM
37	Imagine if we could set the standard for other northern towns. This city is full of smart and creative people - it's a wealth of an untapped resource. We could be a model for others.	7/8/2022 2:38 PM
38	Energy efficiency upgrades to all FNSB buildings along with solar installation on every building to reduce green house emissions and lower the cost of the utility for our local government	6/8/2022 10:08 PM
39	Support local agriculture!!!	6/4/2022 8:13 AM
40	More bike infrastructure (protected bike lanes, bike paths, etc.). Better winter-time maintenance of bike paths and sidewalks. Encourage students and borough employees (and all residents) to commute using low-carbon transport. Reduce bus fares. Use electric buses. Install solar panels on borough buildings and schools. Weatherize older borough buildings or rebuild. Only build very energy-efficient borough buildings.	6/2/2022 10:17 PM
41	It would be cool to incentivize cannabis grow operations in the borough to have zero emissions, since they take so much energy in the winter especially. I would also like to see a net zero building code for new infrastructure in the borough, and I would love to see borough buildings retrofitted towards zero emissions in the future. I would also like to see a requirement for the borough to publicly report their infrastructure's carbon footprint so that there is transparency when decisions are being made about where to fund infrastructure improvements vs. new construction.	6/1/2022 6:12 PM
42	Promote biking. Keep bike paths free of gravel. Tuen off ignition of vehicles when drivers leave vehicle. Support wind and solar energy.	5/26/2022 8:39 AM
43	We need to switch to renewables immediately if not sooner. Let's start by putting solar panels on every borough building (I'm thinking schools as well as offices).	5/25/2022 4:33 PM
44	Postpone finalizing the roads and trails plans and the CEDS update until the principles of the CAAP are agreed upon and incorporated to support public transportation and renewable energy with focus on social stability and environmental sustainability instead of growth and corporate profit.	5/23/2022 11:00 AM
45	Economics: The borough could rephrase discussions around costs that are repeated in this survey. There are acquisition costs, maintenance costs, and hidden costs or externalities. Transparency and honesty with taxpayers might elicit different responses and support for actions not traditionally supported. Social Science: The borough could reduce emissions more quickly if it adopted social science tactics known as behavioral economics. This applies to borough employees as well as the public. Sequestration: In addition to the ecological benefits, the borough should be calculating the economic value of carbon sequestration from its wetlands and forests. Baseline: The borough needs its own GHG-equivalent emissions	5/23/2022 8:33 AM

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inventory for its lands and operations. This baseline data set can then be used to monitor progress. Otherwise, how will success be measured? How will future borough administrations and assemblies be accountable?

46	emphasize energy efficiency for borough buildings and provide financial incentives for property owners to be more energy efficient. Invest in borough vehicles that are electric or hybrid.	5/21/2022 12:00 AM
47	The borough needs to focus on being more efficient and support our economy, which revolves around the energy sector.	5/18/2022 5:15 PM
48	My concern all these years is what is GVEA and the University of Alaska doing regarding their pollution. Are they big contributors to the problem?	5/17/2022 8:45 AM
49	The CAAP needs to transcend bureaucratic silos and provide overarching vision and direction for the scale of changes needed to address climate crisis - for ex coordinate stakeholders necessary to generate 100% of power from renewable sources by 2030	5/17/2022 8:34 AM
50	Any influence the borough can have on preventing or slowing permafrost melt and the release of methane from the ground is very important. Please set up some program to study, monitor, and take action to mitigate this risk.	5/16/2022 9:52 PM
51	Require battery-electric MACS busses and school busses. Switch all heating operations to ground-source heat pumps with solar thermal ground heat summer recharge, utilizing the waste heat from PV panels. Incorporate battery backup and V2G infrastructure in all Borough facilities. Install wireless BEV chargers under the pavement at school pick-up zones and make headbolts available for students who drive to school. Heat Borough pools using electric resistance coils controlled by GVEA as voltage regulation.	5/15/2022 11:26 PM
52	Grant searching and applying to help residents learn and prepare their homes	5/15/2022 4:31 PM
53	Is the point of this to get funds from the federal government? Seems like a reaction to "available funds," lets create more government bureaucracy to "help." Lets skip this BS.	5/15/2022 2:49 PM
54	Building codes for all new buildings in the borough to comply with the highest energy star rating possible, and for the most energy-efficient use inside the building (lighting, appliances, hot water heating, heating, etc.).	5/15/2022 12:08 PM
55	Increase public transit. Add greenhouse gas curriculum to all grade levels	5/15/2022 10:42 AM
56	Reduce the number of borough facilities, we have expanded local government beyond our means.	5/14/2022 5:13 PM
57	Given housing shortages in several areas, an increased cost-of-living, and because there is little data or readily available knowledge of local property management companies and landlords converting & improving passive house design in cabins & rental properties to renewables such as Solar + air source or ground source heat pumps for energy efficient homes, the Borough should work with local housing authorities, land trusts, energy associations and building science & research groups to form a strategic housing plan (especially for low income and vulnerable community members) with measures such as tax incentives and lease to-own-housing initiative to address need for housing security, energy reduction through energy efficient design strategies & construction. The Borough should consider creating a job development plan for engineers, architects and researchers, especially with I internships from the local university community to work to create job growth and expand community resilience.	5/14/2022 5:00 PM
58	Invest in carbon sequestering	5/14/2022 4:26 PM
59	Triple the amount of public transit and make it usable (ie more than one trip an hour) for people outside of the city. Ban cars from downtown. Nuclear power	5/13/2022 10:45 PM
60	I don't know what "adaptive management principles" would entail in #12 -- if that means increasing responsivity to current research and emergent local circumstances, and environmental justice oriented practices, etc. then yes, this sounds great! No other ideas for greenhouse gas emissions -- just building readiness/awareness in the community for us to put the hard work in too (using recycling systems, home changeout programs, more cooperative/less adversarial attitudes, etc.)	5/13/2022 10:32 PM
61	Shorten hours of use/work per day.	5/13/2022 6:12 PM
62	Renewable energy shouldn't be the only green option: nuclear power and anaerobic digesters	5/13/2022 5:58 PM

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should be considered. We have some of the worst air in the country from pollution and wildfire smoke. Enabling more natural gas hook ups and reducing our electric bills to encourage electric heating would be significant in lowering emissions from heating.

63	Do not make more rules or spend more money.	5/13/2022 5:45 PM
64	Microreactors, like they're putting in at Eielson, are the borough's best approach to provide winter baseload power without coal or diesel. (I love solar, but solar generation from Nov-Jan is nearly zero!)	5/13/2022 4:25 PM
65	Stop spending so much money.	5/13/2022 3:12 PM
66	Supporting a circular economy, state Extended Producer Responsibility bills, more solar installs on Borough buildings & energy efficiency improvements, such as weatherization.	5/13/2022 1:33 AM
67	I think recycling is very much needed throughout the borough	5/11/2022 10:59 PM
68	Top priorities would be to: 1. DIVEST from coal-powered energy, and INVEST in renewables energy sources; 2. Create local recycling and composting facilities so those materials don't have to be transported and we have a local source of soil inputs (COMPOST) to complete a local food chain; 3. fund and promote improved and alternative commuting systems (i.e. maintained bike paths/ foot bridges; electric public transport, etc.) to reduce personal vehicular commuting; 4. Invest in and support a hyper-local food system (w/in borough food production, processing and storage); 5. Incentives (i.e. tax rebates) for borough residents making personal investment in renewable and climate-smart actions (i.e. installing PVs, purchasing an EV or starting a regenerative agriculture farm), and; investing in climate smart forest Management for fire mitigation (i.e. strategic clearing, prescribed burns, clearing beetle killed tress) and continuing to engage residents on best practices for wood cutting and seasoning to reduce air pollution in the borough.	5/10/2022 9:25 AM
69	Perhaps remote working could reduce gasoline use from employees driving to work and home each day. Remote schooling during the most severe weather conditions could reduce highway use and reduce pollution, but families need the stability of school and work schedules too. Maybe a designated "work from home" day or two could be on the calendar for the worst mid-winter conditions, although not all children have adults at home to supervise during school days and socialization is important too. The NOASH and woodstove changeout programs are very important and the borough should continue in that direction. Also, the chimney scrubber devices that help clean the PM2 pollutants from the smokestack exhaust from combustion implementation could be increased. The green spaces, public parks and trees help remove carbon from the atmosphere. Maybe some forestry practices could improve land and water conditions for the future.	5/9/2022 4:24 PM
70	This probably needs state and federal help, but we really need alternatives to driving. This last winter, the state and road service areas lost control of road maintenance, and the state thoroughly neglected pedestrian/bike routes. I biked the least this winter of any recent winter, partly due to crummy conditions that lasted for months. We need a much more ambitious bus system, and we should have frequent rail service (with well timed bus connections) along the rail corridor from Ester/University to Eielson. We should not be building more roads, wider roads--things that induce increased automobile traffic. Note that the railroad comes within walking distance or a short shuttle ride from many common destinations, and the vast majority of borough residents live within 4-5 miles of the railroad. Why, for example, are we rebuilding major intersections just to gain a small increase in vehicle capacity, though not necessarily with improved door to door travel times, while we could increase traffic density through the same intersections through much more frequent bus service?...	5/6/2022 5:40 PM
71	energy efficiency and renewable energy systems as much as possible in borough facilities. Lead by example. Create new habits of efficiency and stewardship rather than consumption	5/5/2022 10:54 PM
72	Peatlands, forests and wetlands are great carbon sinks. FNSB should waive property taxes on conservation easements, encourage landowners to place their wetland properties in conservation easements, and waive property taxes on land conserved by Interior Alaska Land Trust.	5/5/2022 12:23 PM
73	Engage with GVEA, Aurora Energy, UAF, Fort Wainwright and Eielsen regarding the power production shift from coal to renewable energy. A partnership that acknowledges this inevitable shift, and works towards making it as least disruptive as possible would be very valuable.	5/5/2022 9:58 AM
74	Consult with scientists at UAF regarding methane emissions from thawing permafrost	5/4/2022 4:55 PM

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75	These survey answer options are insane.	5/4/2022 1:56 PM
76	Think twice before allowing Kinross Gold to run hundreds of diesel ore trucks through town beginning in 2024!	5/4/2022 9:48 AM
77	-As much as I hate to say it, I would rather have vehicle emission testing than limiting my right to keep myself warm with burning solid fuel sources. -Provide a location where people can bring up to 3 cords of wet wood in exchange for seasoned fire wood -Nuclear Power Plants are the way of the future with much less air pollution than burning oil or coal -Don't charge property taxes for residents that do energy upgrades on their home. This could be scaled based on the type and size of upgrade -More outreach and Communication with the public	5/4/2022 9:38 AM
78	1. Work with the City of Fairbanks to develop similar energy conservation and emissions reduction building codes for new or extensively retrofitted commercial and residential buildings. 2. Enact stricter regulations to reduce emissions from wood stoves in order to clean up our winter air quality.	5/4/2022 8:27 AM
79	Buildings must be updated to reduce heat/electric loss. Employees must be educated and required to be efficient. Vehicles must not be allowed to idle when on borough business. Vehicles should be updated when possible to hybrid, etc.	5/4/2022 7:40 AM
80	Don't drive around in plow trucks and graders when there isn't any snow to move. Reduce your administrative staff.	5/4/2022 7:37 AM
81	Pass a building performance standard or benchmarking policies. Set energy use limits progressively to lower greenhouse gas emissions. Introduce more solar energy generation and lessen our dependency on fossil fuels.	5/3/2022 1:43 PM
82	Big companies should be required to offer plug-ins. When I worked at seeking Ford nothing was plugged in. When I worked at att no plug-ins. So all those vehicles get cold started or sit idling	4/30/2022 10:41 AM
83	A real recycling program should be implemented. Plastics incinerated to produce waste heat, cardboard shredded could be used for insulation. Aluminum is probably the only recycled product that should leave the state. I think the cost of our boutique recycling program is too high and also the carbon foot print larger than the actual benefit of recycling.	4/28/2022 8:43 AM
84	Return the stewardship of the land back to indigenous people	4/28/2022 7:42 AM
85	I support change, but I think policy should be incentive based. Punitive policy that punishes homeowners with wood stoves , for example, should be avoided. Incentives (like tax rebates) for home based agriculture and upgrading insulation and etc are examples of environmental policy that would not punish the poor, or threaten alaskan traditions. Electric vehicles are NOT particularly green, not when they must be built with ecosystem taxing lithium mines and powered with coal from healy. In my opinion, investment in this tech is little more than greenwashing. When all our food is flown in, local meat, grain, and etc has a much higher footprint than fancy electric cars for our richest residents. One great resource going untapped is the waste heat currently being dumped in the chena. heating at least a few nearby buildings with this seems within the possible. Also, passive systems like underground tubes and heat sinks to reduce energy use , or design to harvest passive solar (cold climate research center) in the winter are a wonderful long term investment. The biggest contributors to ecological collapse and climate change are corporations and the military. Forcing or incentivizing businesses and if possible the local bases, to reduce energy waste and stop dumping toxins / clean up current pollution would also be great. So much better than punishing locals struggling just to buy food with rising costs.	4/27/2022 6:01 PM
86	AK	4/27/2022 2:21 PM
87	Carbon taxes on industrial emitters, rebates for practices that reduce greenhouse gas emissions. Vehicle safety/emissions regulations.	4/27/2022 2:18 PM
88	GO TOWARDS RENEWABLES!! NOT BACK TOWARDS COAL AND GAS, PLEASE!!! IT WILL HELP OUR AIR QUALITY ISSUE	4/27/2022 11:44 AM
89	Short bus transport for outlying areas. I live in Goldstream and would love to take public transit to town each day.	4/27/2022 10:44 AM
90	Affordable housing and public transit investments, rematriating land to Indigenous stewardship, acknowledging and protecting the rights of nonhumans; stuff like that	4/26/2022 1:43 PM

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91	For the FNSB to do what is being asked, the risk-averse philosophy of the Administration needs to be diverted to risk-averse for the inevitable and already observable impacts to climate, cut the impediments to action. Mitigation AND adaptation. And recognize the FNSB can do only so much - need community, state, and federal partners.	4/25/2022 9:13 PM
92	We need to get off coal-fired electricity and pursue the larger contributors that are really causing the problem, not put a disproportionate amount of time and energy into those things that will only make a marginal difference.	4/25/2022 3:24 PM
93	There needs to be a borough-wide energy efficiency standard and building code. Too much junky inefficient building happened during the TAPS pipeline boom, and it is happening again during the housing crunch caused by the F35 buildup. For air quality, human health, energy usage and security, all new residential and commercial construction should follow LEED standards, and there should be a significant tax break for doing so. Increase taxes on junky new construction that does not meet modern standards so it ends up being costly to the owner or builder. Carrot and stick.	4/25/2022 12:49 PM
94	Improving insulation and window in old buildings is a good starting place. Switching to renewables is great, of course, but efficiency and reducing energy waste can often save more for less money. The saved money can be rolled back into more ambitious plans.	4/25/2022 12:40 PM
95	Coordinate mitigation (e.g., protecting wetlands) with adaptation (e.g., zoning that leads to more compact development and greater efficiency of public transportation).	4/25/2022 10:43 AM
96	Reduce, reuse, recycle. Stop building new facilities, reuse the ones we already have. Recycle at the local level. Know the ENTIRE footprint of a energy source regardless of it being green or not. EX. batteries for electric cars, require mining. That is an impact. Electric vehicles are charged with.....Electricity generated from fossil fuels. Know what the power fully costs and it's cumulative impacts.	4/25/2022 6:49 AM
97	How open and willing are you, are the individuals who work with this and the FNSB, much less how willing the "FNSB" actually is to listen to this,... including, and maybe especially when a "generic community member" is also "an expert" in such stuff?	4/25/2022 4:47 AM
98	Electrifying the bus fleet is a great start! Investing in green jobs for a green future.	4/24/2022 11:21 PM
99	ASAP replace all coal-dependent energy sources with green energy sources. Ultimate replacement of ALL fossil fuel dependent energy sources and vehicles used in any way for transport.	4/24/2022 12:58 PM
100	Actively adopt 'beneficial electrification', eg electrify everything. Transit fleet and vehicles, heat pumps, solar on borough buildings and parking facilities; support community solar to include low and middle income households. Results are cleaner air, social justice, and good global citizenship by Borough. We have a responsibility to act sustainably.	4/24/2022 11:22 AM
101	EV charge points at most Borough facilities	4/24/2022 10:18 AM
102	Install EV chargers and convert Borough fleet to electric	4/23/2022 11:17 PM
103	Reduce methane from organic waste in the landfill through separate composting: https://www.agric.wa.gov.au/climate-change/composting-avoid-methane-production?msclkid=b92dcae0c38f11ecb920b37cd641bb2f Transition in electric buses and borough vehicles as gasoline or diesel vehicles reach service replacement condition. More of the electricity from GVEA will come from renewable energy over time. This will improve urban air quality in the winter.	4/23/2022 9:45 PM
104	encourage folks to drive fewer miles more zoom meetings	4/23/2022 9:40 PM

Q15 If you have other ideas for how the borough could prepare for climate-related impacts, please share them here.

Answered: 87 Skipped: 167

#	RESPONSES	DATE
1	Help peony, potato, carrot farmers in the borough take advantage of longer season.	11/16/2022 5:51 PM
2	It is important that an understanding of the dynamic nature of climate be incorporated into the current planning. Our ancestors have stories of travel on open water in northern regions where there is ice during recent history. Nature moves through cycles of warming and cooling that are not driven by the human factor. Be cautious to avoid creating policies that could impose hardships on people living in an already harsh environment. There is a tendency to over-estimate the difference people can make in effecting change in the environment.	10/10/2022 1:32 AM
3	Personally speaking I'd ask ALL current building and development cease at this time. Then have ALL the Alaska resident engineers come together via zoom and develop w/in six months or a yr. the most a building method that uses recyclable panels that can be resold and reused if the said home, business, ever closes. And develop/engineer another source substitute for concrete vs using the styrofoam boards now being used. Styrofoam is one of the worst man made materials that is both harmful to the earth and the air if and when burned. Styrofoam will be here when the Good LORD returns. ... Cease building until all materials can be reused, recycled economically and environmentally protective	10/1/2022 4:35 PM
4	please reach out to and work with local organizations already doing this work (EX: native movement, fairbanks climate coalition, Northern Center etc)	9/30/2022 5:46 PM
5	Barry all power and communication lines. Set buses up so they can carry all size tires on bicycles not just 1 to 1 1/2 inch wheels. Put the traffic light systems on software to enhance less vehicle idling weight times.	9/29/2022 8:58 PM
6	Mandate that a part of the science curriculum of the elementary and high schools include climate change information, not only re what it is but also re mitigation and adaptation strategies into the far future.	9/27/2022 9:40 PM
7	Residential growth planning for walkable satellite communities that are largely self-sufficient with localized regenerative agriculture and renewable power generation - because gasoline and road maintenance will continue to become more and more costly, and many thousands of Alaskan families will be forced to move by rising seas, quite obviously before their communities are supported in relocation.	9/27/2022 7:51 PM
8	Be prepared with equipment and crews that can thaw out storm drains after an ice storm to avoid the flooding that occurred spring of 2022 that caused extensive road damage and roads that were not passable.	9/27/2022 6:56 PM
9	Hire more people to plow the roads when we have massive winter storms. They aren't going away any time soon and I shouldn't have to wait a week for my road to get plowed when I live in town	9/27/2022 2:37 PM
10	In addition to what's mentioned, I think the Borough can either lead or support more mutual aid efforts (mobile emergency centers with plugs in, showers, food, etc.).	9/27/2022 11:53 AM
11	Need incentives for small acreages to grow more of community food sustainably and environmentally friendly. Large State ag projects destroy the natural environment and in most cases support gh gas emitting ag practices. Therefore more small scale Borough centered ag producers. Borough needs to support a well funded and strong Cooperative extension Service to educate and promote ag and food and same for UAF ag farm for research and development of new practices and genetics for the changing environment.	8/26/2022 9:31 AM
12	Support use of nuclear energy for electric generation. Support building of Susitna-Watana Dam projects. These projects will leverage wind turbines.	8/20/2022 10:07 AM
13	Provide a generator program for those who can't afford them or those who live in cabin	8/18/2022 3:22 PM

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clusters. Provide an Borough-wide emergency plan if certain events such as flooding, wildfire, etc. present imminent danger.

14	Split RSA road contracts to allow smaller contractors to help handle winter vs summer road maintenance, and have a provision to allow for better surge capacity during severe weather events. Promote production of alternative and local electrical production by providing tax credits toward rooftop solar / wind to use otherwise wasted space.	8/15/2022 5:40 PM
15	While I agree we need to be thinking about adaptation, I think it would be wrong to first look to adaptation as the priority. If every single community/city/state/country thinks this same way, then we will be spending the rest of our lifetimes/generations adapting, rather than taking responsibility and CHANGING our ways. First priority should be figuring out how we can reduce our impact on the planet.	8/13/2022 11:34 AM
16	Continue these conversations please!	8/13/2022 9:58 AM
17	Identify areas of higher risk, such as low lying areas in flood zones, or areas where permafrost is / may degrade and become unstable, and would therefore pose a hazard to infrastructure. Continue to have these conversations with borough residents. Talking about this and hearing from people is incredibly important.	8/13/2022 9:56 AM
18	Institute tax incentives for businesses to minimize their own carbon footprints, for example, by recycling, installing renewable energy systems, etc. Perhaps tie the tax cap to this.	8/12/2022 12:15 PM
19	Tax incentives for wildland fire fuels mitigation	8/10/2022 3:15 PM
20	Encourage environmentally sound beautification projects among businesses & private citizens that will encourage tourism, increase greener energy use, and improve our livability quality to encourage professionals & new businesses to locate here.	8/10/2022 6:11 AM
21	Land use planning: Certain areas of the borough should be rezoned and/or have their minimum lot size requirements increased. Many areas are still zoned GU-1, but much of those properties shouldn't be smaller than 5 acres due to poor land quality.	8/9/2022 2:23 PM
22	DO NOT GO GREEN	8/6/2022 3:55 PM
23	Unionized village wildfire response teams that are employed year round	8/6/2022 1:06 PM
24	I ride the bus in the winter, and last winter ALL the bus stops were icy & treacherous, even the MACS Transit Center!! Even ice cleats were not a guarantee of safety when stepping off the bus.	8/5/2022 4:12 PM
25	Because of our very cold winters, whatever we do, place a strong emphasis on energy security.	8/2/2022 12:26 PM
26	Work toward stopping the use of State highways for transporting ore because it will destroy our highways.	8/1/2022 9:31 PM
27	When possible, use drones to map pollution in hi-res. The equipment exists & I have already used it. Also, set up more CSA agriculture coops by mapping areas, maybe only slightly larger than Calypso, less than 50 acres. Design a fiscal package and look for qualified applicants. Help them and people will buy shares of the produce.	8/1/2022 3:38 PM
28	Retrofitting homes and superinsulating them will be a crucial factor. Incentives to do so should be commonplace.	8/1/2022 2:45 PM
29	Emergency planning, education campaigns, more conversation	7/29/2022 3:53 PM
30	Super insulate all heated buildings. Replace existing light bulbs with LEDs. Electric Vehicles should replace the ENSB Fleet including borough buses as well as school buses. Instal solar PV on borough buildings and on the retired cells at Landfill.	7/23/2022 5:35 PM
31	Reduce and ban plastic bags and packaging	7/8/2022 10:57 PM
32	Have plans in place ahead of impacts ready to implement	7/8/2022 5:40 PM
33	Suggest bringing in Alaska Native advisors who may have solutions beyond what we're currently thinking of.	7/8/2022 2:38 PM
34	Use more green infrastructure to climate-proof. Update borough and school buildings' air filtration systems to ensure clean air even on smoky days (and during wintertime inversions).	6/2/2022 10:17 PM

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Educate homeowners on how to prepare for climate impacts like wildfires, flooding, permafrost thaw, etc.

35	I would like to see the Borough pursue permeable pavement to reduce urban flooding, especially since some of those technologies haven't been tested in extreme cold and the borough could pursue partnerships to test them here and benefit from their success, or try something else if they don't work in the cold/under plows. This is an opportunity to advertise ourselves as a green city for tourism attraction, since being the furthest north green city has a lot of potential to attract visitors. On that note, it would be awesome to have the borough create signs highlighting the ways that we are reducing emissions and caring for our community as the climate changes, like in downtown Fairbanks or in other major walkways. Lastly, I would like to see this plan include a vulnerability & risk assessment to identify highest priority items and a timeline for implementation.	6/1/2022 6:12 PM
36	I'd like to suggest that we start by making every borough building, schools included, energy self-sufficient. That would go a long way to cut costs and give more resiliency to the grid. I would also like to see Fairbanks running off of steam power provided that steam could be generated by recycleables or another sustainable method. We also need to do more to grow our own food.	5/25/2022 4:33 PM
37	New development must account for both mitigation of and adaptation to the changes we are seeing. Accelerating permafrost thaw will continue to accelerate the degradation of infrastructure such that planning more fossil fuel dependent infrastructure is shortsighted and foolhardy. In particular, the construction of new roads and new mines directly contradict the policies and priorities being formulated in the CAAP - and will just become more and more difficult to maintain. We need a regenerative economy that supports families instead of the boom-and-bust cycle of extractive development that will leave our descendants busted.	5/23/2022 11:00 AM
38	The borough administration and assembly should increase borough staffing and capacity to apply for grants and to partner with others seeking to research and implement climate-related adaptation and mitigation strategies.	5/23/2022 8:33 AM
39	Promote agriculture, farmer's markets, cooperative extension service to help with food security. Increase mass transit in FNSB. Continue with virtual meetings to reduce mileage.	5/21/2022 12:00 AM
40	Worry about our economy. A healthy ecosystem is a luxury afforded by a healthy economy.	5/18/2022 5:15 PM
41	coordination across borough plans (roads, CEDS, CAAP, etc) is an immediate need along with top priority should be to hire grant writers to bring in federal funding to implement said plans! medium term need is to coordinate with City and State so preparations aren't limited just to borough purview. long term need is systemic changes like changing infrastructure building practices to be climate safe and resilient!	5/17/2022 8:34 AM
42	I would love to see the borough put together and maintain a central website that residents can use to access information that will help them better understand how to reduce their own emissions, understand local climate-related changes, and personally adapt to change. A central spot to access monitoring programs (fire, road hazards, air quality, permafrost melt, etc.), mitigation and adaptation resources (e.g., dry wood sellers, energy efficiency housing info, etc.), state, national and international climate change monitoring and mitigation websites.	5/16/2022 9:52 PM
43	Ban open burning, and instead make biochar apparatus available for rent or loan from the Borough so burn pits have less chance of causing a forest fire and to create a local biochar market to incentivize use of our renewable forest products.	5/15/2022 11:26 PM
44	Adapt a common sense approach To be able to give more attention to being fiscally responsible. Continue to be more transparent in example such as this survey And resources online	5/15/2022 4:31 PM
45	This is a waste of money in a time where everything is over priced including the taxes on my property. I do not support any expansion of government or its powers in relation to any of this ridiculousness.	5/15/2022 2:49 PM
46	Underground power lines that won't be damaged in winter storms. Add a climate change curriculum to all schools	5/15/2022 10:42 AM
47	The borough has enough trouble managing what it does now. Focus your energy on the problems you can fix!!	5/14/2022 10:28 AM
48	Anything that is supporting food security/local food systems, and energy security/renewable	5/13/2022 10:32 PM

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energy -- not sure to what extent the borough and GVEA are working together on GVEA's efforts to shift to wind, solar etc. Also thinking of the potential future nuclear plant project on Eielson. Any efforts that help increase cooperation/coordination across institutions, including tribal institutions. This is hard work untangling systems that have never worked for some, and work less and less for anyone as climate changes -- thank you for moving this forward!

49	Maybe raising road service area taxes to pay for more expensive road maintenance in the future from changing weather.	5/13/2022 9:15 PM
50	Reducing car dependency and removing unnecessary laws such as single family zoning and minimum parking spots as those laws fracture community relationships. Public Transportation/ Bike paths should be convenient and should be equal to or less than the time it takes to drive. Work with private industry that is already working on reducing food waste in the Borough. Encourage regenerative agriculture practices for all of the farms in the Interior.	5/13/2022 5:58 PM
51	Thank you for doing this! But brace yourselves for dealing with stupidity and hate coming from the fossil industries and misguided people.	5/13/2022 4:25 PM
52	stop raising taxes.	5/13/2022 3:12 PM
53	More work with UAF & researchers related to climate change adaptation & resilience & sustainability. Identifying the most vulnerable in the community in emergency response maps (i.e., the elderly, low-income residents) that may be more vulnerable to power outages, heat waves, smoke, wildfire, supply chain disruptions for food. Bring commissions together for a round table discussion to contribute to the plan in a dialogue (not just a one way survey). Need all experts at the table to understand the users of the plan & those it will affect.	5/13/2022 1:33 AM
54	Informing the public on how to PROPERLY recycle. Have recycling facilities in bigger cities. Provide a place for people to bring compost. Make compost dirt available to the community for gardens.	5/12/2022 10:51 AM
55	Only a comment; I would support EV charging stations if GVEA incorporated more renewables into its power generation; otherwise it is unclear whether EVs would benefit carbon reduction goals or not	5/11/2022 8:51 PM
56	See ideas above. And keep in mind, there is no single silver bullet for addressing climate change, the Borough will need to invest in multiple pathways towards reducing carbon emissions as well as investing in ways to make the borough and it's residents more resilient to climate change. Continuing to engage Borough residents on their needs, and looking to climate smart adaption measures other Northern regions and cities have invested in will enable the borough to make an assessment of what investments it can make in for the greatest benefit, keeping in mind inaction will only cost the borough, it's residents and the state MORE money in the future if no action is taken.	5/10/2022 9:25 AM
57	Being pro-active now, or when funds are available, is important before more years go by and financial conditions may change, and climate-related impacts may become more severe. Please increase recycling of all materials and make recycling drop off areas easily accessible to more residents and visitors (curbside in urban areas?) Water conservation could be publicized, and implemented in public buildings. Maybe simple "rain barrels" to collect rainwater or snowmelt for gardening, etc. could be introduced to schoolchildren as a new habit. Other states have implemented large scale, expensive water conservation plans, which take many years, but will be extremely successful to maintain agriculture, recreation, ecosystems, etc. as the planet warms and dries. Coordination between many community groups for common goals is driving this success.	5/9/2022 4:24 PM
58	A survey like this is hard to complete. Climate touches everything, so it is hard to prioritize which steps are a priority. All steps need to be taking about the same time. While the science on climate change has been settled for decades, there are still a lot of people not on board that it is real. Therefore, the priority of the borough should be the protection of borough assets. It is hard to argue with flood proofing borough buildings and essential parking/storage lots, for instance. Thanks so much for accepting my comments.	5/6/2022 5:40 PM
59	We need to encourage a circular economy, composting, energy generation from waste. Encourage stewardship by example and policy. Kids should not wear t-shirts in schools in winter, turn down the heat, monitor and watch energy consumption for efficient energy use.	5/5/2022 10:54 PM
60	Follow the building science coming out of CCHRC to reduce our reliance on oil and gas. They are leading the way in energy efficient technology.	5/5/2022 12:23 PM

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61	Adapt building codes to account for probable melting permafrost.	5/4/2022 4:55 PM
62	Keep making it more expensive to live here and people will continue to leave. Our borough is wasting too much money. Start with firing anyone working on this project.	5/4/2022 1:56 PM
63	Upgrade storm drainage systems to handle higher amounts of water from snowmelt and rainstorms.	5/4/2022 9:48 AM
64	Mitigations are important but not to the point FNSB is controlling how people heat their homes. Heating is the most expensive thing residents pay for. Unless there is a way to economically heat a home, wood burning should never be curtailed. Residents should never be required to get permission to be safe and protect their homes from freezing up with the cheapest means possible. This program should be voluntary and definitely should not have punitive actions.	5/4/2022 9:38 AM
65	Start working at a grassroots level with community members, scientists, and decision-makers to get the best possible solutions on the table.	5/4/2022 8:27 AM
66	Plan ahead for increased staffing and budgeting for winter snow/ice mitigation.	5/4/2022 7:40 AM
67	You're making very broad assumptions. It appears you've already reached your own internal conclusions. Why don't you present the data to support "climate change"? Whatever you do, keep it contained to borough facilities and assets and don't spread your stupidity to all borough residents.	5/4/2022 7:37 AM
68	Pass a higher building code standard such as Passive House construction. Start an Green Bank energy efficiency revolving fund for housing retrofits. Lobby Alaska state budget for energy efficiency retrofit funding to protect homes and businesses from climate-impacts, lower greenhouse gases, and lower energy bills. Improve housing stock of Fairbanks.	5/3/2022 1:43 PM
69	Plug the holes drilled by the arm Corp of engineers. There are several lakes melting lots of permanent frost causing all sorts of issues icr_03@hotmail.com if you want more info on this its a huge hidden problem. That would take time to explain	4/30/2022 10:41 AM
70	plant food instead of flowers	4/28/2022 8:43 AM
71	I think I said enough. Pardon any typos, writing on my phone.	4/27/2022 6:01 PM
72	Stay out of it.	4/27/2022 5:02 PM
73	Proactive road maintenance, even if it costs more up front. I have seen so many pothole/heave spots that are just patched up, year after year after year. Spending more up front to actually fix these locations will ultimately save on longer term maintenance. Re-doing the drainage ditches along many of the gravel/dirt roads in the Goldstream area will also help	4/27/2022 2:32 PM
74	Make no assumptions on climate change, spend no funds unless approved by public.	4/27/2022 2:21 PM
75	Fairbanks should be most concerned with flooding and thawing permafrost. Therefore the borough should be most prepared to respond to building damage and have support programs for construction that mitigates these risks or allows relocation to less affected areas.	4/27/2022 2:18 PM
76	Promote building housing that is suitable for the shifting ground	4/27/2022 11:44 AM
77	Emergency preparedness is an issue, esp with a large wildfire that could easily happen.	4/27/2022 10:44 AM
78	See 2009 Climate Task Force Report. See IJJA aka BIL (Bipartisan Infrastructure Law) opportunities.	4/25/2022 9:13 PM
79	Borough should more carefully scrutinize development plans like the Kinross Ore trucking proposal. The negative health, safety, financial and environmental impacts to the public and the community are vitrually being ignored in favor of a few hundred jobs and a foreign-owned company that wants to socialize the costs and privatize their profits. Borough should legislate tax breaks that incentivize environmentally-responsible corporate behavior. Even the Mayor of the City of Fairbanks has questioned the apparent easy approval of this proposal without due diligence and proper scrutiny so all impacts are known and mitigated. Why has the Borough not done the same? Instead, the assembly did not act to request federal hearing. The borough Mayor gave some nuanced cautions but did not stand up clearly to encourage mitigation of the health, safety, environmental, and financial impacts of this short-sighted peoposal.	4/25/2022 12:49 PM
80	Landscape-level planning is immensely important for many interconnected issues. Sprawling development and far-flung homes lead to more miles driven, more risk on icy roads, greater	4/25/2022 12:40 PM

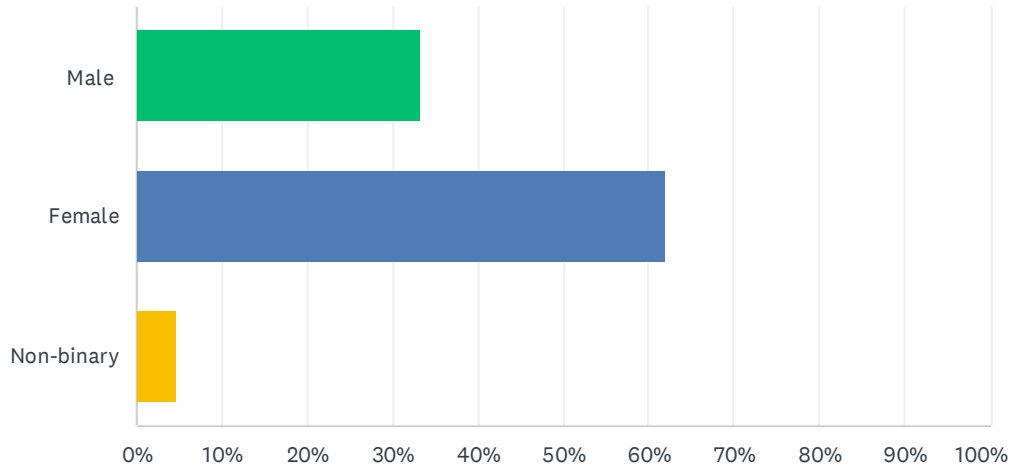
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need for plowing and road maintenance, more gas burned, more miles of roads, powerlines, etc., and far greater risk to life and property from fire -- and more cost and risk to firefighters. Sprawl undermines the usefulness of public transportation and communication networks. So, efficient urban planning seems key.

81	Protect wetlands and black spruce forests to take advantage of the carbon storage capacity.	4/25/2022 10:43 AM
82	Stop developing wetlands in the Fairbanks area, and reuse older developed areas. Learn about the full cost of energy, regardless of source.	4/25/2022 6:49 AM
83	I have, we have,... & there has been a lack of will, of respect,... So, I ask again,...How open and willing are you, are the individuals who work with this and the FNSB, much less how willing the "FNSB" actually is to listen to this,... including, and maybe especially when a "generic community member" is also "an expert" in such stuff?	4/25/2022 4:47 AM
84	High powered program to educate the public regarding the nature of future impacts and the underlying reasons for them. Basic information is crucial for buy-in by the various segments of Alaska's public	4/24/2022 12:58 PM
85	Build upon latest IPCC reports. Partner with UAF and CCHRC.	4/24/2022 11:22 AM
86	We don't have wildland fire problem we have a building ignition problem. Incentivize fire resilient building construction and materials. Avoid the moral hazard of dependence on a disaster-industrial-complex economy.	4/24/2022 10:18 AM
87	Partner with DOT and UAF permafrost specialists to identify road infrastructure most at risk in subdivisions. Use this information to identify mitigation projects and costs for federal and state grants. Increasing summer rains aid growth of flammable vegetation. The borough should seek formal risk assessment from the state Division of Forestry to prioritize fuel reduction on public lands surrounding subdivisions.	4/23/2022 9:45 PM

Q17 What is your gender?

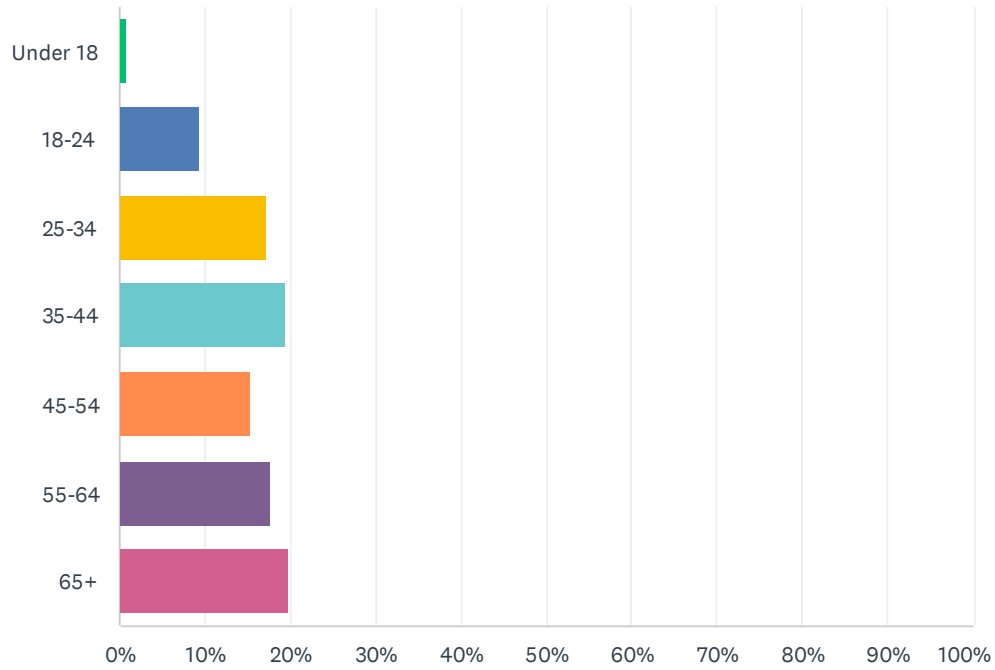
Answered: 232 Skipped: 22



ANSWER CHOICES	RESPONSES	
Male	33.19%	77
Female	62.07%	144
Non-binary	4.74%	11
TOTAL		232

Q18 How old are you?

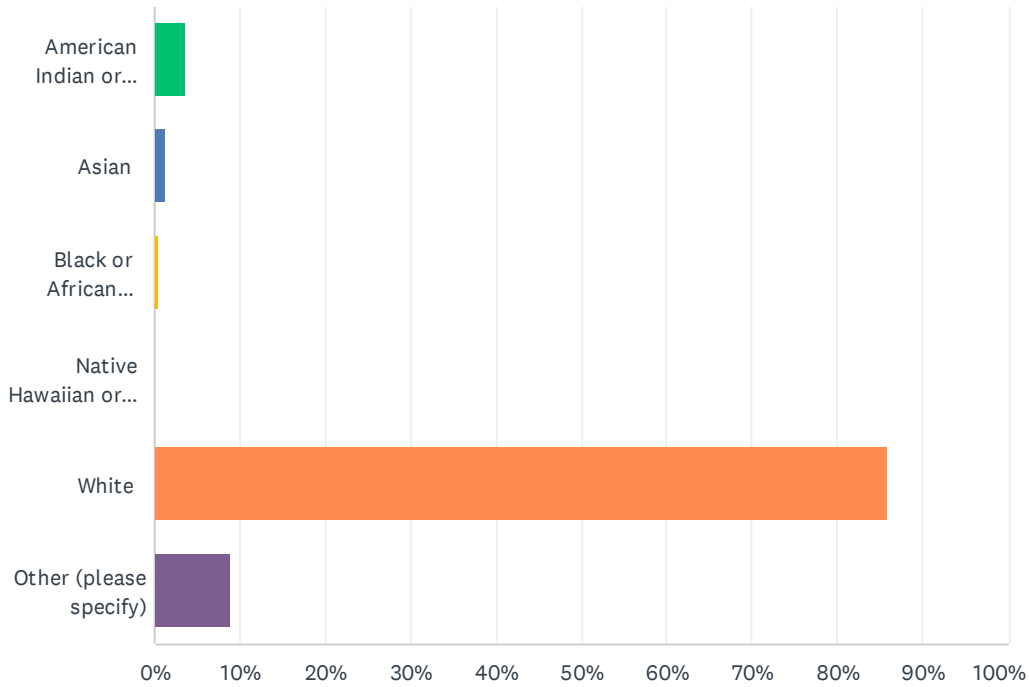
Answered: 236 Skipped: 18



ANSWER CHOICES	RESPONSES	
Under 18	0.85%	2
18-24	9.32%	22
25-34	17.37%	41
35-44	19.49%	46
45-54	15.25%	36
55-64	17.80%	42
65+	19.92%	47
TOTAL		236

Q19 What is your race?

Answered: 226 Skipped: 28



ANSWER CHOICES	RESPONSES
American Indian or Alaska Native	3.54% 8
Asian	1.33% 3
Black or African American	0.44% 1
Native Hawaiian or other Pacific Islander	0.00% 0
White	85.84% 194
Other (please specify)	8.85% 20
TOTAL	226

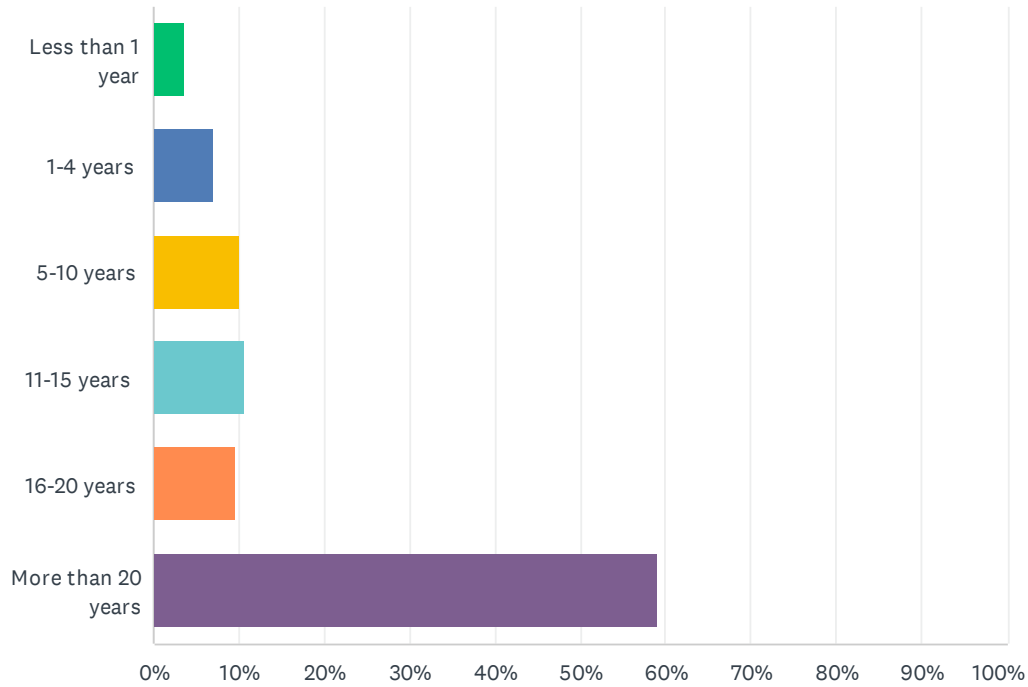
#	OTHER (PLEASE SPECIFY)	DATE
1	Hispanic	10/15/2022 11:54 PM
2	Latinx	9/27/2022 2:37 PM
3	human	8/20/2022 10:09 AM
4	Hispanic	8/10/2022 12:18 PM
5	Human	8/6/2022 3:29 PM
6	Black & White	8/5/2022 4:12 PM
7	I'm not sure what a person's or my 'race' is but I am not Native, Asian, Black or Hawaiian.	8/1/2022 3:42 PM
8	Hispanic	7/8/2022 5:40 PM

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9	Hispanic and White	5/16/2022 9:53 PM
10	White and black	5/15/2022 4:32 PM
11	Human	5/14/2022 10:29 AM
12	Not your business	5/13/2022 5:45 PM
13	American	5/4/2022 9:38 AM
14	mixed race	5/4/2022 8:28 AM
15	human	5/4/2022 7:41 AM
16	American	5/2/2022 4:16 PM
17	Unimportant	4/30/2022 10:42 AM
18	Race should not play a role so don't ask	4/27/2022 2:22 PM
19	Mixed	4/26/2022 1:45 PM
20	n/a	4/25/2022 4:47 AM

Q20 How long have you lived in the Fairbanks North Star Borough?

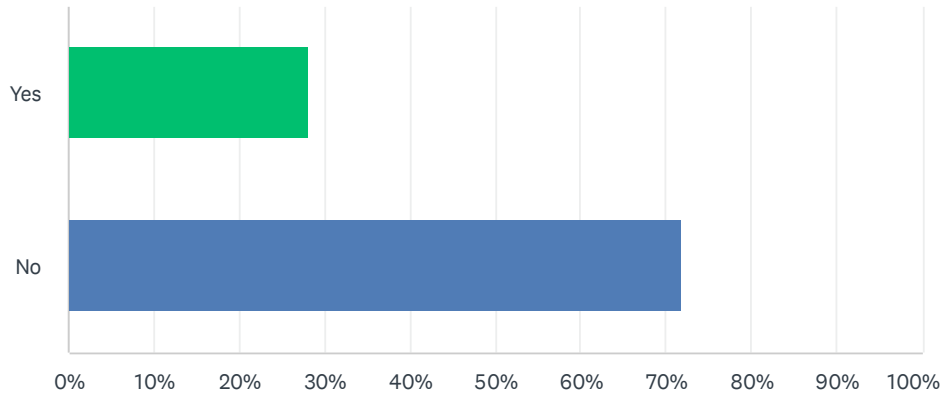
Answered: 242 Skipped: 12



ANSWER CHOICES	RESPONSES	
Less than 1 year	3.72%	9
1-4 years	7.02%	17
5-10 years	9.92%	24
11-15 years	10.74%	26
16-20 years	9.50%	23
More than 20 years	59.09%	143
TOTAL		242

Q21 Do you own a business in the Fairbanks North Star Borough?

Answered: 238 Skipped: 16



ANSWER CHOICES	RESPONSES	
Yes	28.15%	67
No	71.85%	171
TOTAL		238