

APPENDIX

Urbana Park District CARES Plan Climate Action, Resilience, Education and Sustainability



APPENDICES

Appendix A: CARES Survey 1 Results

Appendix B: CARES Survey 2 Results

Appendix C: NRPA Climate Statement

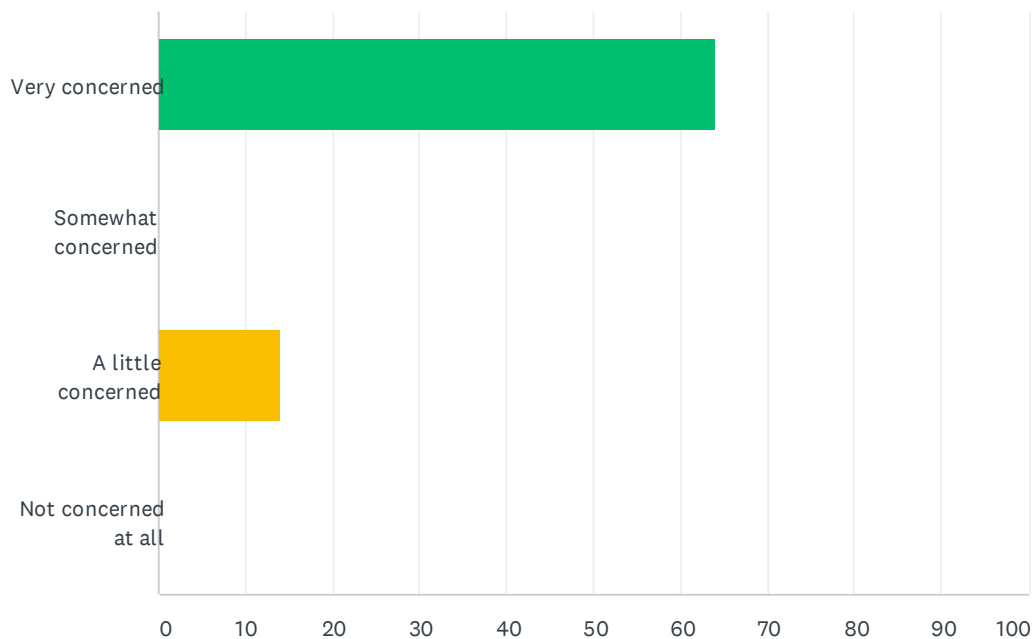
Appendix D: Initial Indicators of Resilience

Appendix A

CARES Survey 1 Results

Q1 How concerned are you about climate change?

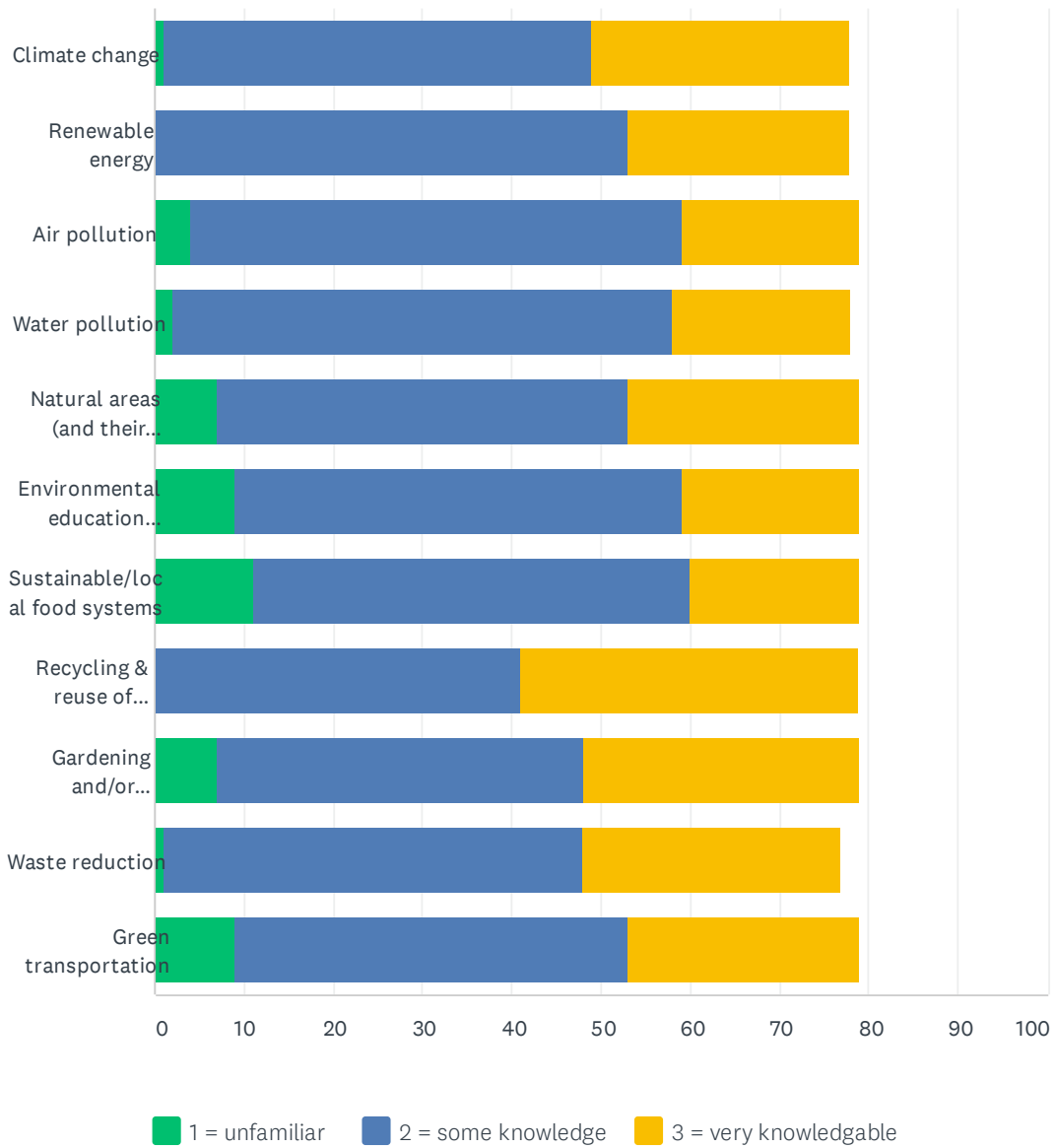
Answered: 78 Skipped: 2



ANSWER CHOICES	RESPONSES	
Very concerned	82.05%	64
Somewhat concerned	0.00%	0
A little concerned	17.95%	14
Not concerned at all	0.00%	0
TOTAL		78

Q2 Rate your level of knowledge on the following climate change topics & solutions.

Answered: 79 Skipped: 1

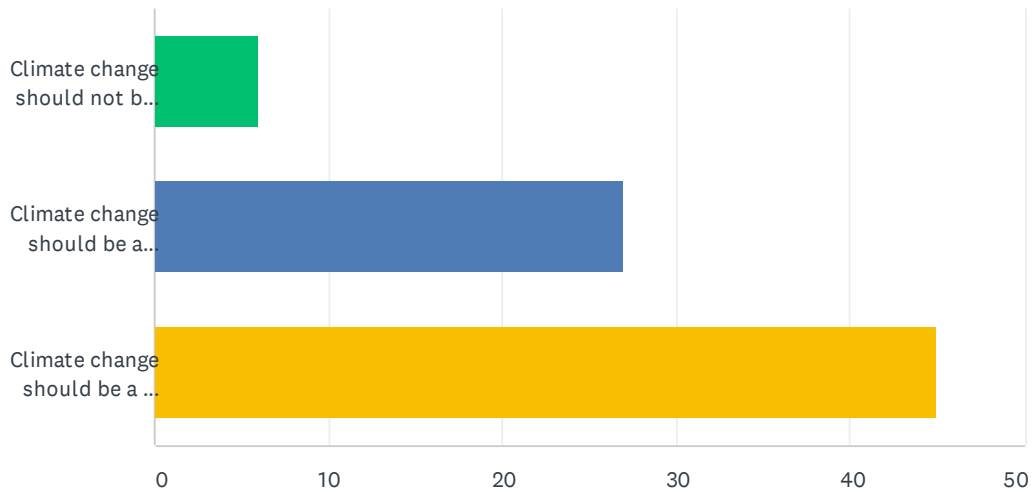


UPD Climate Action, Resilience, Education & Sustainability (CARES) Plan Questionnaire

	1 = UNFAMILIAR	2 = SOME KNOWLEDGE	3 = VERY KNOWLEDGABLE	TOTAL	WEIGHTED AVERAGE
Climate change	1.28% 1	61.54% 48	37.18% 29	78	2.36
Renewable energy	0.00% 0	67.95% 53	32.05% 25	78	2.32
Air pollution	5.06% 4	69.62% 55	25.32% 20	79	2.20
Water pollution	2.56% 2	71.79% 56	25.64% 20	78	2.23
Natural areas (and their management)	8.86% 7	58.23% 46	32.91% 26	79	2.24
Environmental education (including Climate Change education)	11.39% 9	63.29% 50	25.32% 20	79	2.14
Sustainable/local food systems	13.92% 11	62.03% 49	24.05% 19	79	2.10
Recycling & reuse of materials	0.00% 0	51.90% 41	48.10% 38	79	2.48
Gardening and/or composting	8.86% 7	51.90% 41	39.24% 31	79	2.30
Waste reduction	1.30% 1	61.04% 47	37.66% 29	77	2.36
Green transportation	11.39% 9	55.70% 44	32.91% 26	79	2.22

Q3 How do you feel climate change should be prioritized at the Urbana Park District?

Answered: 78 Skipped: 2



ANSWER CHOICES	RESPONSES	
Climate change should not be a priority at this time.	7.69%	6
Climate change should be a consideration.	34.62%	27
Climate change should be a top priority.	57.69%	45
TOTAL		78

Instead of the separate sliding scale bars for the value statements, we compiled them all in excel for comparison. Section 1- numerical order by question, Section 2- sorted by mean, Section 3- sorted by standard deviation/ dispersion

Urbana Park District Core Values & Beliefs (Q4-Q14)

Following is a list of topics. Use the sliding scale to indicate how important each topic should be to the Urbana Park District's core values and beliefs.

0=Not important at all 10=Extremely important

Sorted by Question Number 4-14

	Mean	Std Dev
Q4 Value: Biodiversity - having a variety of living habitats organisms and natural habitats	8.82	1.42
Q5 Value: Ecosystem services - benefits that parks and natural areas provide (such as filtration of water and air, pollinator habitat, and nutrient cycling)	8.92	1.36
Q6 Value: Community education and engagement	8.76	1.59
Q7 Value: Contributing to a strong local economy	7.56	1.97
Q8 Value: Creativity, efficiency and fiscal responsibility	8.22	1.74
Q9 Value: Resiliency and flexibility to change along with the times	8.76	1.56
Q10 Value: Equitable improvement of neighborhoods, urban nature and the environment	8.82	1.69
Q11 Value: Human health, wellness, and individual quality of life	8.79	1.46
Q12 Value: Individuals, partnerships and the ability to achieve more by working together	8.63	1.44
Q13 Value: Taking action, and supporting/providing opportunities for others to take action	8.44	1.47
Q14 Value: A healthy future for children in our community and around the world	9.33	1.18

Sorted by Mean

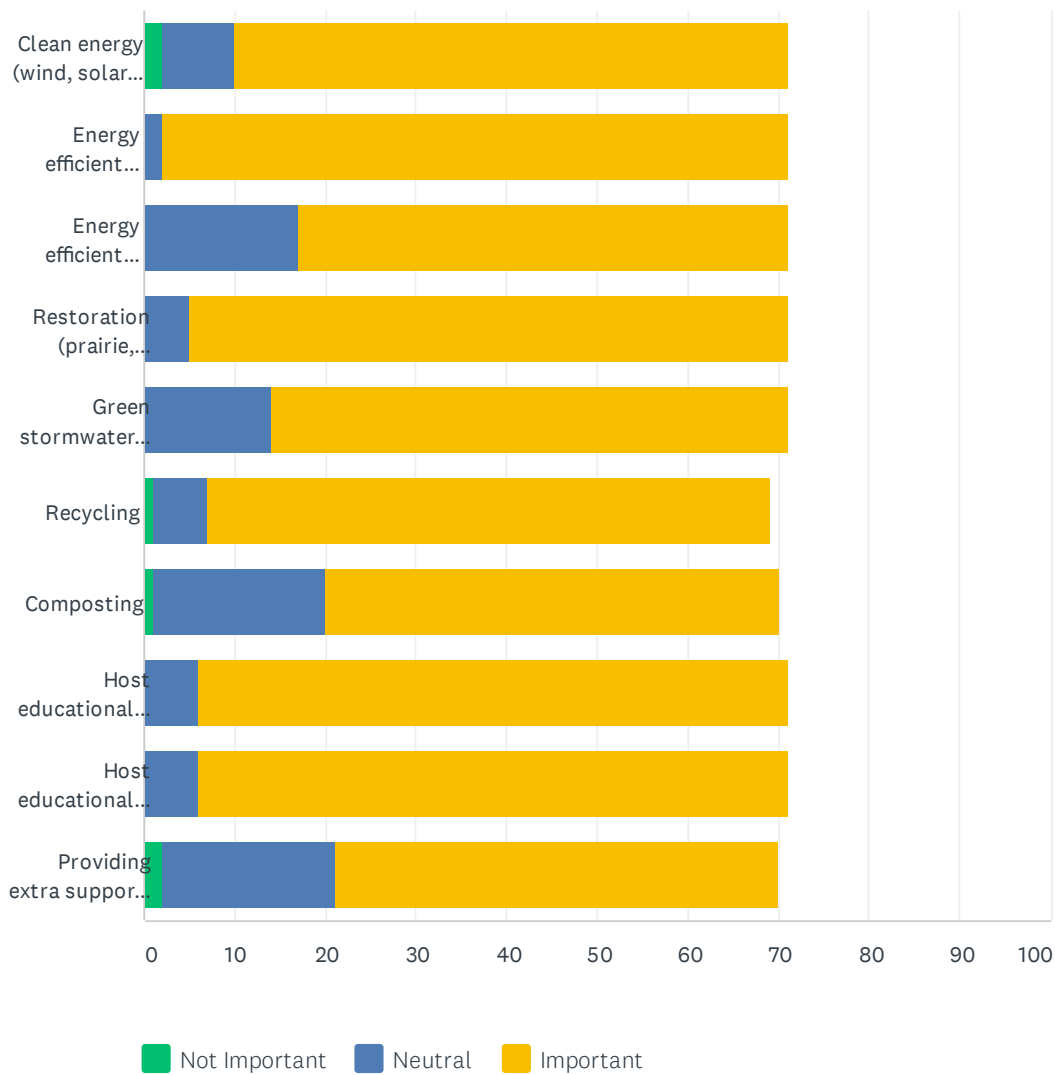
	Mean	Std Dev
Q14 Value: A healthy future for children in our community and around the world	9.33	1.18
Q5 Value: Ecosystem services - benefits that parks and natural areas provide (such as filtration of water and air, pollinator habitat, and nutrient cycling)	8.92	1.36
Q4 Value: Biodiversity - having a variety of living habitats organisms and natural habitats	8.82	1.42
Q10 Value: Equitable improvement of neighborhoods, urban nature and the environment	8.82	1.69
Q11 Value: Human health, wellness, and individual quality of life	8.79	1.46
Q6 Value: Community education and engagement	8.76	1.59
Q9 Value: Resiliency and flexibility to change along with the times	8.76	1.56
Q12 Value: Individuals, partnerships and the ability to achieve more by working together	8.63	1.44
Q13 Value: Taking action, and supporting/providing opportunities for others to take action	8.44	1.47
Q8 Value: Creativity, efficiency and fiscal responsibility	8.22	1.74
Q7 Value: Contributing to a strong local economy	7.56	1.97

Sorted by Standard Deviation

	Mean	Std Dev
Q14 Value: A healthy future for children in our community and around the world	9.33	1.18
Q5 Value: Ecosystem services - benefits that parks and natural areas provide (such as filtration of water and air, pollinator habitat, and nutrient cycling)	8.92	1.36
Q4 Value: Biodiversity - having a variety of living habitats organisms and natural habitats	8.82	1.42
Q12 Value: Individuals, partnerships and the ability to achieve more by working together	8.63	1.44
Q11 Value: Human health, wellness, and individual quality of life	8.79	1.46
Q13 Value: Taking action, and supporting/providing opportunities for others to take action	8.44	1.47
Q9 Value: Resiliency and flexibility to change along with the times	8.76	1.56
Q6 Value: Community education and engagement	8.76	1.59
Q10 Value: Equitable improvement of neighborhoods, urban nature and the environment	8.82	1.69
Q8 Value: Creativity, efficiency and fiscal responsibility	8.22	1.74
Q7 Value: Contributing to a strong local economy	7.56	1.97

Q15 How important is it for the Urbana Park District CARES Plan to implement (or continue implementing) the following climate solutions?

Answered: 71 Skipped: 9



UPD Climate Action, Resilience, Education & Sustainability (CARES) Plan Questionnaire

	NOT IMPORTANT	NEUTRAL	IMPORTANT	TOTAL	WEIGHTED AVERAGE
Clean energy (wind, solar, etc.)	2.82% 2	11.27% 8	85.92% 61	71	2.83
Energy efficient buildings (lighting, water use, etc.)	0.00% 0	2.82% 2	97.18% 69	71	2.97
Energy efficient transportation (vehicles, mowers, etc.)	0.00% 0	23.94% 17	76.06% 54	71	2.76
Restoration (prairie, stream and river, wildlife habitat, etc.)	0.00% 0	7.04% 5	92.96% 66	71	2.93
Green stormwater infrastructure (rain gardens, rain water capture, green roofs, trees, etc.)	0.00% 0	19.72% 14	80.28% 57	71	2.80
Recycling	1.45% 1	8.70% 6	89.86% 62	69	2.88
Composting	1.43% 1	27.14% 19	71.43% 50	70	2.70
Host educational opportunities for the community	0.00% 0	8.45% 6	91.55% 65	71	2.92
Host educational opportunities for staff members (both full and part time staff)	0.00% 0	8.45% 6	91.55% 65	71	2.92
Providing extra support for climate-vulnerable neighborhoods	2.86% 2	27.14% 19	70.00% 49	70	2.67

Q16 Please share any specific goals you think should be included in the CARES Plan.

Answered: 30 Skipped: 50

UPD Climate Action, Resilience, Education & Sustainability (CARES) Plan Questionnaire

#	RESPONSES	DATE
1	<p>Hire Urbana - I believe that the UPD could achieve many of its important community connectivity, diversity, sustainability, and economic goals through an adamant deference to hiring residents of Urbana. Regarding sustainability, though, its noteworthy that the majority of UPD employees commute to work from outside of the community. I believe the UPD, and its constituents, own that footprint. I have long wanted to represent that impact visually, through a map that has Urbana at center with lines connected to each employee's general residential locale and calculations measuring the cumulative load of those daily commutes. Swag – I think that it's time for a moratorium on swag, incoming and outgoing. As much as the efforts are appreciated by all, swag is essentially just waste. If swag must be given, it should be more meaningful, useful, and sustainable. Ideas may include ready to use seed packets or plants offered in paper pots (i.e., pots made of our piles of daily newspapers), LED lightbulbs, program discounts local shopping incentives, something like that. Plastics – We need to transcend our reliance on plastics and the assumption that they can or are being recycled. Reducing the use of plastics in all facets of the operation should be paramount to the CARES plan. This concept plays into many of the other ideas that I hold, such as working with vendor to reduce the impact of our relationships. We should be defining our positions and expectations with our vendors. Making sure that they are being mindful of their impacts. Some examples:</p> <ul style="list-style-type: none"> • Our treats for the holiday party were distributed in large plastic bags. I would have rolled them in the escape room documents and wrapped with a ribbon since the treats were, mostly, small enough to do so and the papers were to be used right away for the event. • At our recent luncheon, the amazing Piato's cuisine was made a little less delectable by consequence of the unnecessary plastic terrarium that it came in. Each of the items were individually wrapped and would have been acceptable in a paper bag or box. If not required by a health code, let's tell Piato's we want more sustainable packaging. Good for them and good for us. • Instead of buying 2-litre bottles of soda for these events, open the Pepsi machine. • Instead of 50 plastic gift cards for holiday bonuses, a direct deposit and personal call from a board member. • Reduce PVC waste in aquatics and other relevant areas. Local plastic welding experts available. Other general ideas • Garments should be offered on an as needed basis, instead of automatic renewals each year. • Keep all UPD staff events local, in Urbana. • Send less staff to IPRA / NRPA / other conferences • Electronic timesheets • Institutionalize the use of web conferenced meetings as a sustainability practice even after the pandemic subsides. Quarterly in-person P&O meetings only. Huge efficiency and environmental win here. • Improved vehicle use/ workflow planning. This may happen already, but as an example, instead of making one trip to a park or facility to do a lighting or plumbing inspection, do all inspections at the same time. Do whole park inspections and repair signs, lights, plumbing, etc. in one trip or one full day on-site. • Advance the concept of photoluminescent exit signs. A plastic and power reducing strategy. PL signs last 25 years, even LED plastic exit signs only last a few years at a time. The Urbana fire chief has advised that exit signs are not required to be illuminated in lighted areas / during daylight hours. • More permeable surfaces. Are well-maintained dirt and gravel parking lots and pathways really such a bad thing? Can they be dirt and ADA compliant? Weaver Trailhead lots seems permeable, is it ADA compliant, could it be adapted for the new nature learning center? Grant required other material? 	1/4/2021 3:13 PM
2	Prairie and stream restoration should remain top goals in park design and maintenance as should be composting and recycling	12/30/2020 10:40 AM
3	This survey mentioned important goals that will help mitigate the effects of climate change. Personally, I would like to see Dark Sky Compliant lighting, energy efficient lighting, migrating to renewables, projects that require sustainably sourced materials, incorporating recycling requirements in projects, continued land acquisitions to convert to green spaces, transition to hybrid and/or electric vehicle fleet, and work towards offsetting our energy consumption and becoming a net zero organization.	12/18/2020 4:10 PM
4	Concrete goals like less paper used (maybe determined by Rogards invoices, etc), less gasoline, incentives/proof of no idling vehicles	12/18/2020 3:33 PM
5	I think setting goals and noting achievements is important. Representing the community thru action is extremely valuable. The specific metrics (% carbon footprint reduction, # residents attending educational series, etc.) is less important to me than seeing the concept of climate responsibility valued on the whole.	12/17/2020 6:33 PM
6	Reducing the amount of waste sent to land fills	12/17/2020 5:04 PM
7	Focus on educating people of all ages on these topics. As well as try to have more of a	12/17/2020 5:04 PM

UPD Climate Action, Resilience, Education & Sustainability (CARES) Plan Questionnaire

	presence in the community.	
8	This initiative is vital for the future of our community!	12/17/2020 3:49 PM
9	N/a	12/17/2020 10:50 AM
10	I'd like to see education on climate and environmental justice, and events to help understand the issue of policy (and not just individual) changes to protect life and create more environmental equity. I'd like to see more programs lead by and created for communities of color.	12/16/2020 3:55 PM
11	Promote our CARES plan widely in the community in order to be a model and encourage other organizations to do something similar.	12/16/2020 10:32 AM
12	Ways to show the renewable energy goals and how the UPD is meeting them	12/15/2020 4:50 PM
13	Providing resources that enable staff and the public to gain knowledge, understanding and empathy about Climate Action that leads to responsible decision making.	12/15/2020 4:27 PM
14	I think it is important to build new buildings/remodel old ones with sustainable and renewable materials like steel roofs, solar energy, recycling, re-purposing old materials, and using rainwater to water plants.	12/15/2020 3:45 PM
15	inclusion of efficiencies in buildings (lighting, water, hvac, VFD,etc.) fuel efficient/hybrid/alternative fuel fleet stormwater management and improvements to parks/parking/etc.	12/15/2020 12:36 PM
16	Provide composting at all facilities for use by staff and public visiting. Develop a procedure for checking and maintaining all green infrastructure. Expand solar from existing ~9kW. 50kW? Prairie seed distribution and education. More bike racks (covered?) to encourage active and carbonless transportation.	12/11/2020 11:23 AM
17	Involving volunteers in the plans!	12/11/2020 9:57 AM
18	We don't need to spend more wasteful money implimenting more technology to save energy or spare waste. It boils down to personal responsibility for people not to be wasteful. People have bad habits. Not everyone thinks spending more money is going to save the world from our human influence.	12/10/2020 12:12 PM
19	Specific five year goals for reducing carbon emissions	12/10/2020 11:29 AM
20	Equitable spatial distribution of park resources and programming. % of total population within a 10 minute walk of a park. % of EJ or low income population within a 10 minute walk of a park. Evaluate the value of small park spaces. Evaluate the value of differing park types: Park, green, plaza, etc.	12/10/2020 10:40 AM
21	Integrating the use of carbon-neutral cement in hardscape designs.	12/9/2020 1:08 AM
22	Management to increase and sustain natural biodiversity within the park system. Increase natural areas space.	12/8/2020 7:49 AM
23	Use more renewable energy options	12/7/2020 3:03 PM
24	Improving operating efficiency.	12/7/2020 2:39 PM
25	Donate what you don't use Waste less food and support local farmers Educate children in the community as much as possible Avoid wasting water Use energy-efficient appliances and light bulbs Create job opportunities for youth Fund projects that create basic infrastructure Support the marginalized and disadvantaged Recycle paper, plastic, glass, and aluminum Avoid plastic bags Plant trees Stand up for human rights	12/7/2020 1:15 PM
26	Identifying ways to influence city and municipal laws and standards for lighting, efficient energy, and habitat corridor restoration and improvement	12/7/2020 12:46 PM
27	NA	12/7/2020 12:34 PM
28	Internal and external education. The public should know of the efforts UPD is already making. Simple education about recycling or green practices at some of our own UPD special events could be helpful. Turn it into a game or challenge for a prize. This could be a good segue into larger conversations about the CARES Plan as a whole.	12/7/2020 12:22 PM

UPD Climate Action, Resilience, Education & Sustainability (CARES) Plan Questionnaire

29	Reaching people where they are at on this process. Not shoving new things down their throats...which would be just "one more thing for us to do."	12/7/2020 12:07 PM
30	More work with renewable energy in the parks and in the neighborhoods surrounding the park.	12/7/2020 12:00 PM

Q17 Please share any further thoughts or ideas that you think should be considered during the CARES planning process.

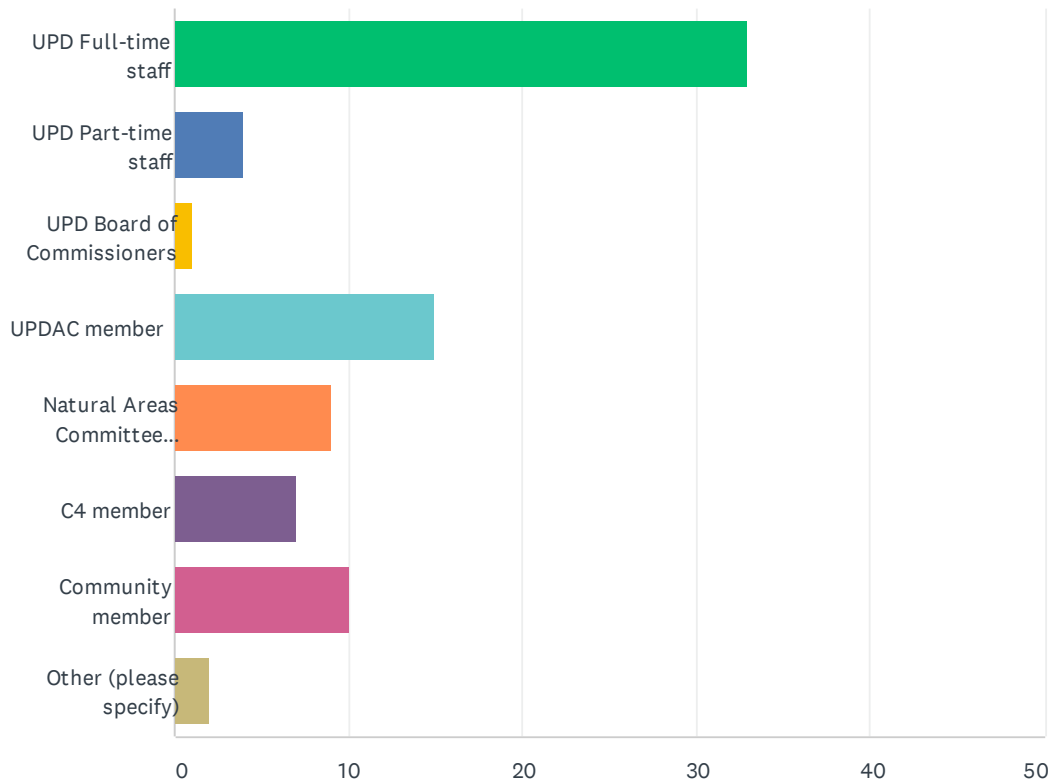
Answered: 21 Skipped: 59

UPD Climate Action, Resilience, Education & Sustainability (CARES) Plan Questionnaire

#	RESPONSES	DATE
1	Pollinator gardens, urban farms and orchards can be promoted whenever possible so that working landscapes become a recognizable park type	12/30/2020 10:40 AM
2	There are so many amazing things that are on this survey that UPD is striving for and incorporating in the work that is being done. It's great to have a community organization that is actively putting a plan together, so we can have a more resilient future. Small steps everyday go a long way.	12/18/2020 4:10 PM
3	Remote meetings/work when possible to reduce carbon footprint from commute.	12/18/2020 3:33 PM
4	Investment in this area will bring political push-back due to the divisive nature of some of the language surrounding it. But I think the Park Dist may be somewhat uniquely situated to address and educate in this area because they can increase knowledge and build value in the community as part of their normal business model of maintaining the natural habitats and encouraging mindful use of natural resources, without getting bogged down in the language of "blame" or "guilt".	12/17/2020 6:33 PM
5	N/A	12/17/2020 5:04 PM
6	THANK YOU	12/17/2020 3:49 PM
7	N/a	12/17/2020 10:50 AM
8	Applauding your concern for environmental justice communities. I'm sure that there is some outreach to those communities to hear what issues are most important to those residents.	12/16/2020 3:55 PM
9	Education is key. Know why we are doing it and why it is a good idea for others to incorporate green practices in their homes.	12/15/2020 3:45 PM
10	A smaller number of easily understandable goals is better than a complex plan. If everyone is perplexed, and the goals aren't implementable, the plan is a failure.	12/11/2020 11:23 AM
11	We have a responsibility to not be wasteful but spending more money to "save" money is counter-intuitive.	12/10/2020 12:12 PM
12	Off to a good start	12/10/2020 11:29 AM
13	Give and take with the City's comp plan process. Maybe a recurring meeting between the planners.	12/10/2020 10:40 AM
14	I think it would be fantastic for UPD to be a leader in the community on these issues. Promoting sustainability, showing how it can be realized, and encouraging other community members to invest in a healthy earth would benefit us all.	12/9/2020 1:08 AM
15	Good luck!	12/8/2020 7:49 AM
16	I think that all this stuff is important. Q: Can we do it all and if not, how do we prioritize?	12/7/2020 9:25 PM
17	Be careful on what you implement. Some of the things on the market don't have years of use so we could get something like solar panels, geothermal, hybrid vehicles, etc. and it might sound good but might not last because they haven't been in the field very long to be really tested. Most of these things are expensive so research for the tried and true. Otherwise you may have spent the money on something you have to repair shortly after installation or within a few years you can't get parts	12/7/2020 3:03 PM
18	Local poverty and how you can help Ways to offer free local programs for educational purposes Knowing the demographic you want to reach Reaching out to the community to achieve a higher response and participation from local residents Letting community residents do the marketing	12/7/2020 1:15 PM
19	Keep it simple. If it gets too bogged down with goals, objectives, mission statements, plans, pillars, studies, guides, lists, checklists, memorandums of understanding.....people are going to tune out.	12/7/2020 12:37 PM
20	NA	12/7/2020 12:34 PM
21	Not everyone has the same passion when it comes to this. Understand that and be able to work with that. There are areas where other things are more important. We are all in this together, but not at the same level.	12/7/2020 12:07 PM

Q18 Help us learn who is participating in this survey! Please identify yourself as one or more of the following:

Answered: 70 Skipped: 10



ANSWER CHOICES	RESPONSES
UPD Full-time staff	47.14% 33
UPD Part-time staff	5.71% 4
UPD Board of Commissioners	1.43% 1
UPDAC member	21.43% 15
Natural Areas Committee member	12.86% 9
C4 member	10.00% 7
Community member	14.29% 10
Other (please specify)	2.86% 2
Total Respondents: 70	

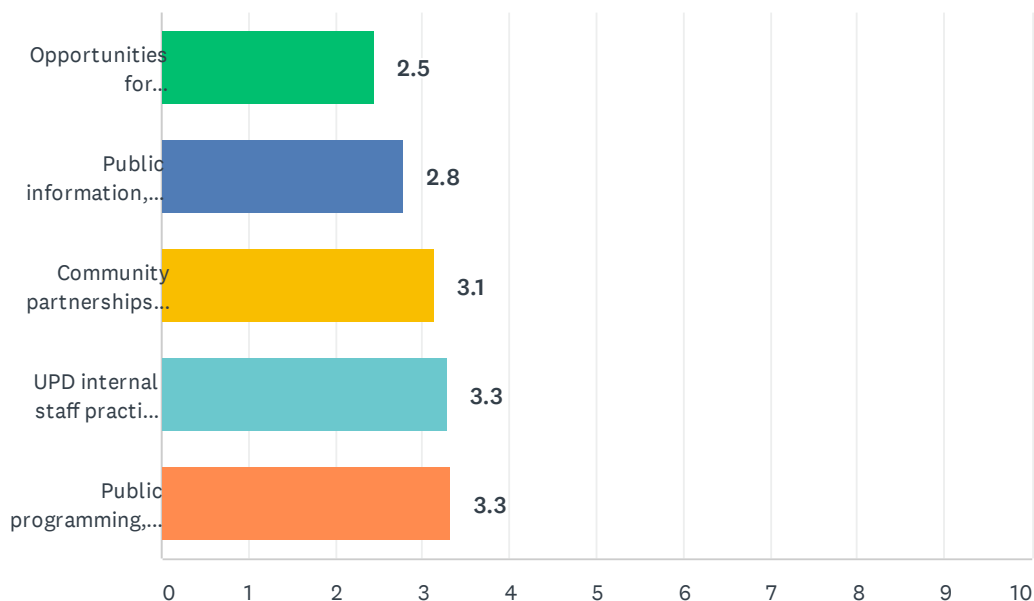
#	OTHER (PLEASE SPECIFY)	DATE
1	Master Naturalist	12/8/2020 4:44 PM
2	ECIMN	12/7/2020 1:58 PM

Appendix B

CARES Survey 2 Results

Q1 Rank the following topics under the pillar "Communicating Climate Action" according to which are most important to you. (1 = most important)

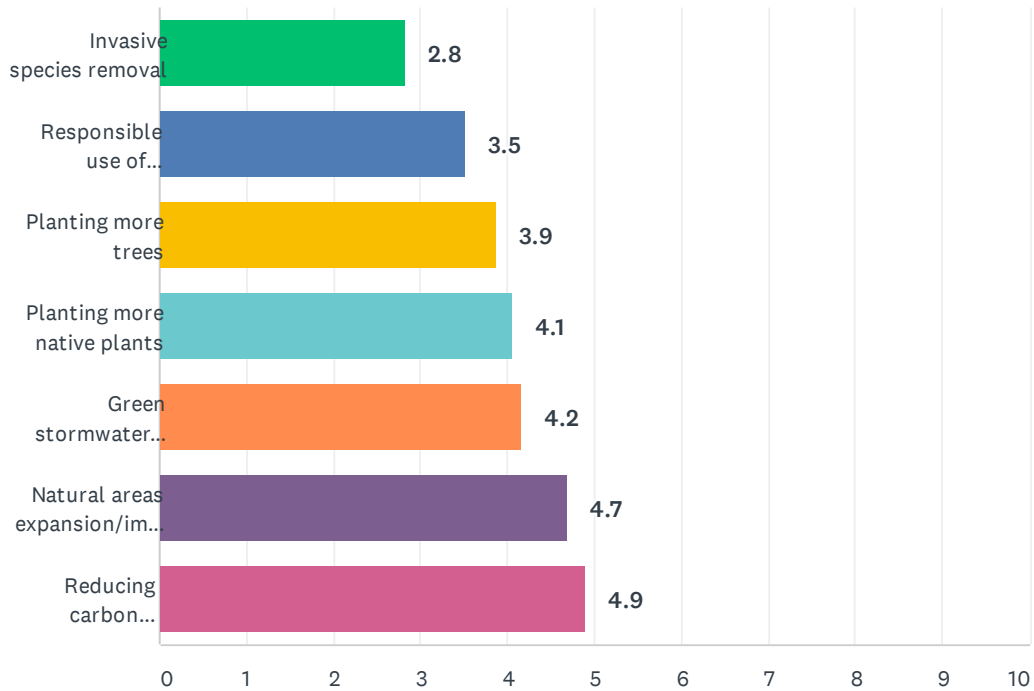
Answered: 51 Skipped: 0



	1	2	3	4	5	TOTAL	SCORE
Opportunities for volunteering & public involvement	7.84% 4	15.69% 8	21.57% 11	23.53% 12	31.37% 16	51	2.45
Public information, exhibits & displays	11.76% 6	19.61% 10	21.57% 11	29.41% 15	17.65% 9	51	2.78
Community partnerships & collaborations	23.53% 12	25.49% 13	11.76% 6	19.61% 10	19.61% 10	51	3.14
UPD internal staff practices (such as green purchasing)	35.29% 18	9.80% 5	23.53% 12	11.76% 6	19.61% 10	51	3.29
Public programming, events & outreach	21.57% 11	29.41% 15	21.57% 11	15.69% 8	11.76% 6	51	3.33

Q2 Rank the following topics under the pillar "Protecting & Strengthening Our Natural Environment" according to which are most important to you. (1 = most important)

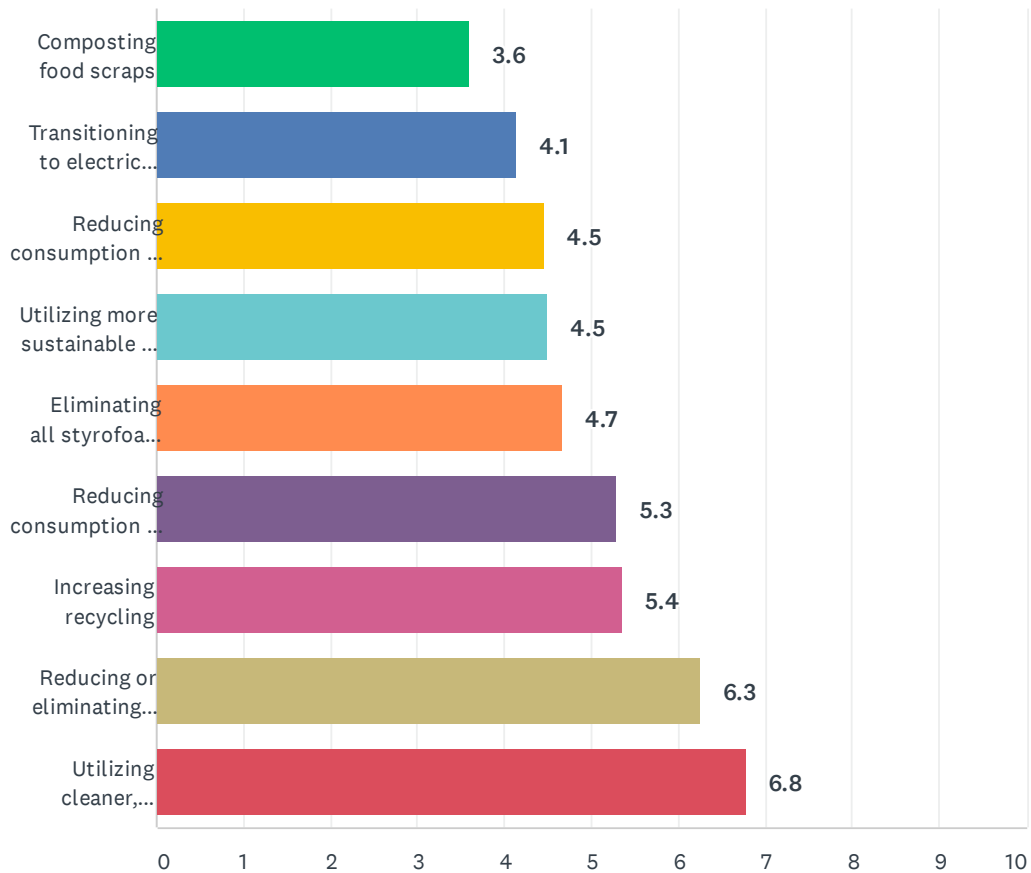
Answered: 51 Skipped: 0



	1	2	3	4	5	6	7	TOTAL	SCORE
Invasive species removal	1.96% 1	5.88% 3	5.88% 3	15.69% 8	23.53% 12	23.53% 12	23.53% 12	51	2.82
Responsible use of herbicides	7.84% 4	5.88% 3	13.73% 7	25.49% 13	11.76% 6	19.61% 10	15.69% 8	51	3.51
Planting more trees	11.76% 6	11.76% 6	17.65% 9	17.65% 9	9.80% 5	13.73% 7	17.65% 9	51	3.86
Planting more native plants	3.92% 2	11.76% 6	27.45% 14	23.53% 12	15.69% 8	11.76% 6	5.88% 3	51	4.06
Green stormwater management (rain gardens, rainwater collection) & improving water quality	11.76% 6	25.49% 13	13.73% 7	3.92% 2	13.73% 7	23.53% 12	7.84% 4	51	4.16
Natural areas expansion/improvements	17.65% 9	29.41% 15	15.69% 8	5.88% 3	15.69% 8	3.92% 2	11.76% 6	51	4.69
Reducing carbon emissions/carbon footprint & improving air quality	45.10% 23	9.80% 5	5.88% 3	7.84% 4	9.80% 5	3.92% 2	17.65% 9	51	4.90

Q3 Rank the following topics under the pillar "Conserving Resources" according to which are most important to you. (1 = most important)

Answered: 51 Skipped: 0

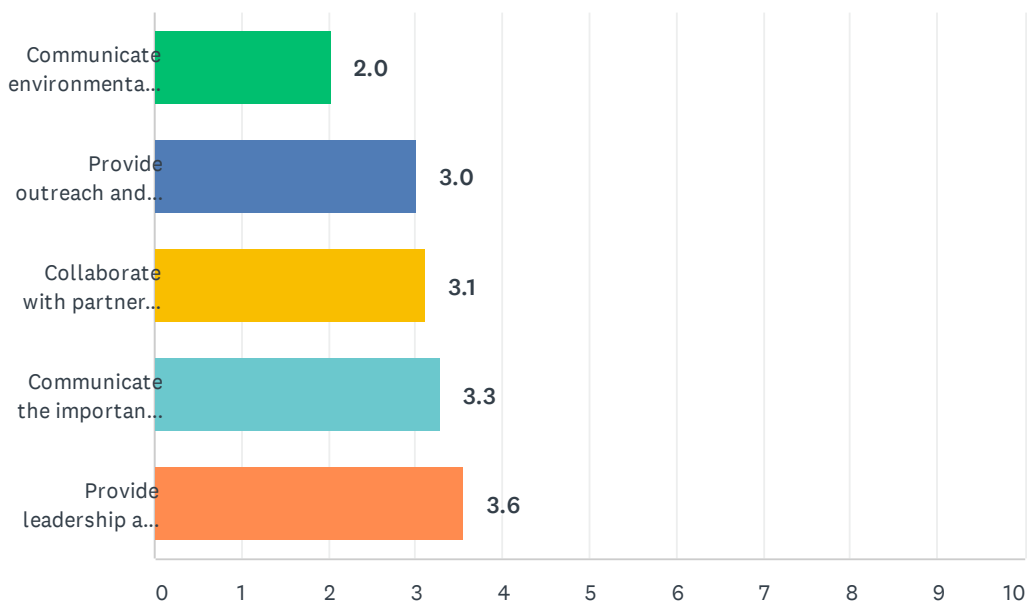


Urbana Park District CARES Plan Public Input (Feb 17 - Mar 9, 2021)

	1	2	3	4	5	6	7	8	9	TOTAL	SCORE
Composting food scraps	4.00% 2	2.00% 1	6.00% 3	6.00% 3	16.00% 8	16.00% 8	12.00% 6	12.00% 6	26.00% 13	50	3.60
Transitioning to electric vehicles & equipment	3.92% 2	5.88% 3	3.92% 2	13.73% 7	19.61% 10	15.69% 8	5.88% 3	11.76% 6	19.61% 10	51	4.14
Reducing consumption of potable water	5.88% 3	11.76% 6	3.92% 2	11.76% 6	7.84% 4	17.65% 9	17.65% 9	13.73% 7	9.80% 5	51	4.45
Utilizing more sustainable and more locally-sourced materials (including construction materials)	5.88% 3	1.96% 1	15.69% 8	15.69% 8	13.73% 7	9.80% 5	7.84% 4	15.69% 8	13.73% 7	51	4.49
Eliminating all styrofoam waste	5.88% 3	13.73% 7	9.80% 5	11.76% 6	9.80% 5	7.84% 4	11.76% 6	19.61% 10	9.80% 5	51	4.67
Reducing consumption of electricity	13.73% 7	17.65% 9	11.76% 6	1.96% 1	13.73% 7	9.80% 5	9.80% 5	11.76% 6	9.80% 5	51	5.29
Increasing recycling	7.84% 4	15.69% 8	19.61% 10	11.76% 6	7.84% 4	3.92% 2	17.65% 9	7.84% 4	7.84% 4	51	5.35
Reducing or eliminating single-use plastics	17.65% 9	21.57% 11	13.73% 7	15.69% 8	3.92% 2	9.80% 5	11.76% 6	3.92% 2	1.96% 1	51	6.25
Utilizing cleaner, renewable energy (reducing reliance on fossil fuels, using solar power, etc.)	35.29% 18	9.80% 5	15.69% 8	11.76% 6	7.84% 4	9.80% 5	5.88% 3	1.96% 1	1.96% 1	51	6.78

Q4 Rank the following goals under the pillar "Communicating Climate Action" in order of what should be UPD's top priority. (1 = highest priority)

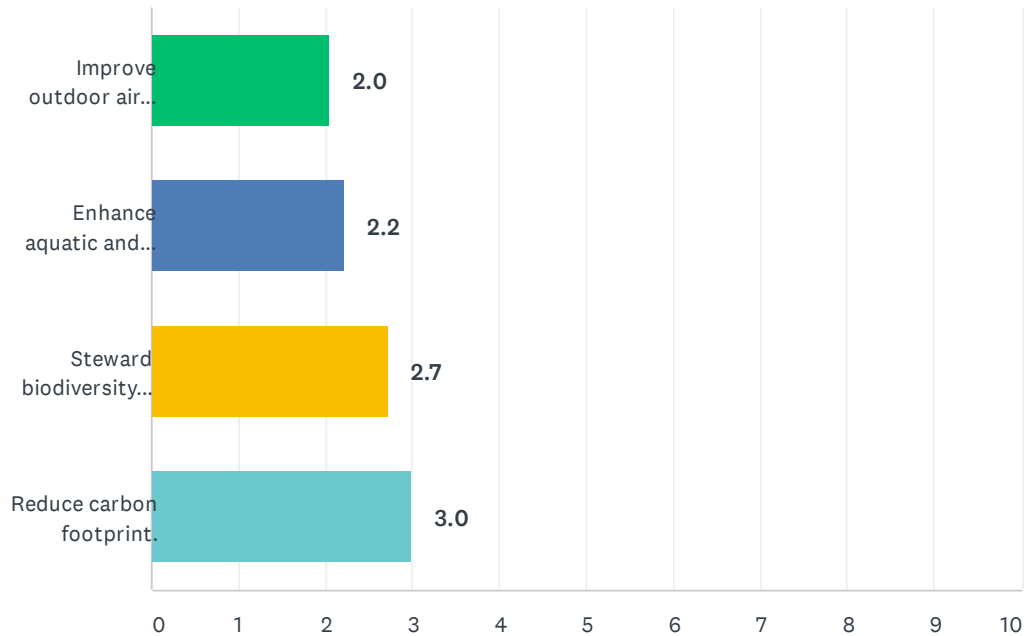
Answered: 50 Skipped: 1



	1	2	3	4	5	TOTAL	SCORE
Communicate environmental topics, and opportunities for climate action, through art, sculpture, and interpretation.	10.00% 5	4.00% 2	12.00% 6	26.00% 13	48.00% 24	50	2.02
Provide outreach and programming opportunities to best communicate climate action to diverse audiences.	16.00% 8	16.00% 8	36.00% 18	18.00% 9	14.00% 7	50	3.02
Collaborate with partners to reach new audiences, and expand climate change impacts in the community.	20.00% 10	24.00% 12	20.00% 10	20.00% 10	16.00% 8	50	3.12
Communicate the importance of climate action through internal practices.	32.00% 16	16.00% 8	16.00% 8	20.00% 10	16.00% 8	50	3.28
Provide leadership and public information to advocate for environmental sustainability and climate action.	22.00% 11	40.00% 20	16.00% 8	16.00% 8	6.00% 3	50	3.56

Q5 Rank the following goals under the pillar "Protecting & Strengthening Our Natural Environment" in order of what should be UPD's top priority. (1 = highest priority)

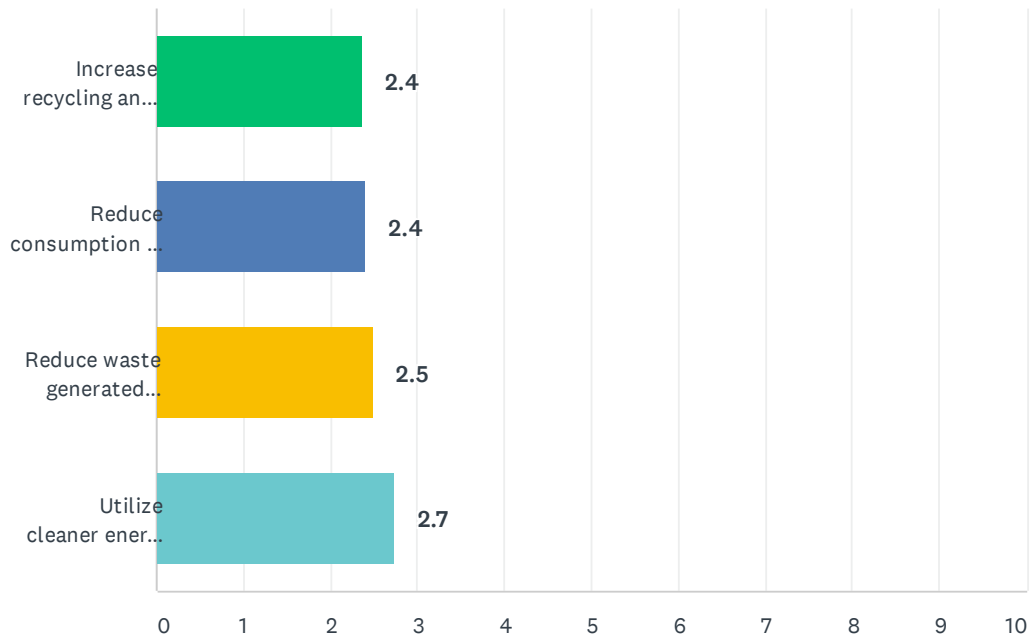
Answered: 49 Skipped: 2



	1	2	3	4	TOTAL	SCORE
Improve outdoor air quality.	8.16% 4	30.61% 15	18.37% 9	42.86% 21	49	2.04
Enhance aquatic and public health through water quality improvements.	8.16% 4	24.49% 12	48.98% 24	18.37% 9	49	2.22
Steward biodiversity through responsible care and expansion of natural areas.	38.78% 19	22.45% 11	12.24% 6	26.53% 13	49	2.73
Reduce carbon footprint.	44.90% 22	22.45% 11	20.41% 10	12.24% 6	49	3.00

Q6 Rank the following goals under the pillar "Conserving Resources" in order of what should be UPD's top priority. (1 = highest priority)

Answered: 50 Skipped: 1



	1	2	3	4	TOTAL	SCORE
Increase recycling and reuse to divert waste from landfills.	22.00% 11	16.00% 8	38.00% 19	24.00% 12	50	2.36
Reduce consumption of energy and water.	28.00% 14	18.00% 9	20.00% 10	34.00% 17	50	2.40
Reduce waste generated through UPD programs, facilities, and processes.	16.00% 8	44.00% 22	14.00% 7	26.00% 13	50	2.50
Utilize cleaner energy and reduce reliance on fossil fuels.	34.00% 17	22.00% 11	28.00% 14	16.00% 8	50	2.74

Q7 If you feel that something is missing from the CARES Plan (such as goals, objectives, or information), please explain.

Answered: 10 Skipped: 41

#	RESPONSES	DATE
1	environmental justice	3/8/2021 3:53 PM
2	Keeping facilities in an "away" temperature when not used. (For example, Cottage is kept very warm (75ish) on the weekends even when no one is there)	3/8/2021 2:50 PM
3	Not necessarily, but community involvement and outreach are VITAL to get people on board and on the same page here. You must work WITH the people this is directly affecting, with full transparency, as opposed to around them with little to no involvement.	3/5/2021 11:28 AM
4	N/A	3/4/2021 11:21 AM
5	Where do prairies fit in? More attention to prairie plants and carbon removal	3/4/2021 10:58 AM
6	none	3/4/2021 6:36 AM
7	Ask volunteers at a benefit.	3/3/2021 3:04 PM
8	A tentative timeline or target dates for implementation of goals (but I know you intend to add that soon).	2/24/2021 4:21 PM
9	Covid has increased the interest of our community regarding natural spaces and how important all the goals you've presented are to all of us. CCFPD has broken all records of the number of families and people coming to the parks. I guess I'd like to see a vision of how to keep the momentum alive after "normalcy" is among us. Our parks and services are amazing. That's why I volunteer.	2/24/2021 1:29 PM
10	Two things: It seems like a pretty low hurdle to have a goal of increasing the amount of naturalized areas by only 5000 sq ft over 5 years. Second I didn't see a goal for having more trees in stewardship. I would like to see both of those numbers bigger, since natural areas provide better carbon sequestration than others.	2/23/2021 11:33 AM

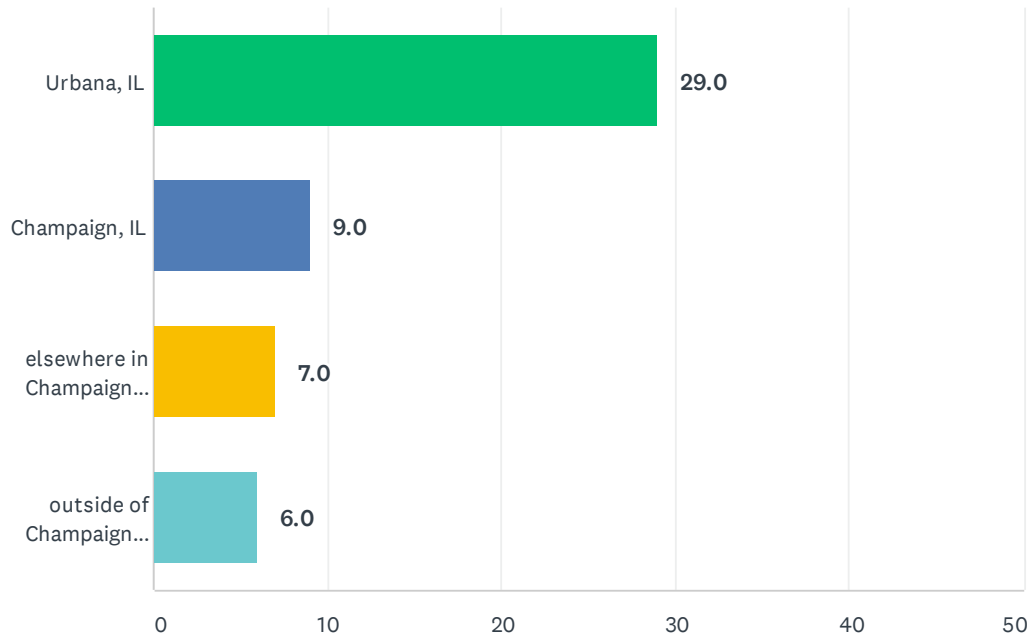
Q8 Are there any confusing terms that you would like to see explained further (ie, "decarbonization")?

Answered: 8 Skipped: 43

#	RESPONSES	DATE
1	For myself, no. But for others in the community, I would imagine some of these terms would be harder to comprehend and apply to their individual lives.	3/5/2021 11:28 AM
2	Biodiversity	3/4/2021 3:43 PM
3	N/A	3/4/2021 11:21 AM
4	none	3/4/2021 6:36 AM
5	No.	3/3/2021 3:04 PM
6	No	2/24/2021 4:21 PM
7	I'd like more information on how to eliminate carbon. Example: trees, farming practices and understanding what are the worst to best components of our behavior. I heard that cars provide approx. 15% carbon emissions. Cows create much more. By reducing the amount of beef one eats would help a lot. The terms aren't confusing. It's where to focus most of our attention.	2/24/2021 1:29 PM
8	Why are "invasive species" necessarily bad? Also, the term has racist origins and it might be a good moment to reconsider using it?	2/22/2021 7:44 PM

Q9 Where do you live?

Answered: 51 Skipped: 0



ANSWER CHOICES	RESPONSES	
Urbana, IL	56.86%	29
Champaign, IL	17.65%	9
elsewhere in Champaign County, IL	13.73%	7
outside of Champaign County, IL	11.76%	6
TOTAL		51

Q10 Any other comments?


Answered: 15 Skipped: 36

#	RESPONSES	DATE
1	congratulations and thanks for doing this. I will probably have more comments later after i reread the plan and mull this all over.	3/7/2021 3:12 PM
2	Thank you	3/6/2021 7:17 AM
3	These are tough choices!	3/5/2021 3:28 PM
4	Thank you for taking the first steps to making our community a better place to live!	3/5/2021 11:28 AM
5	Stop killing the animals	3/4/2021 5:34 PM
6	N/A	3/4/2021 11:21 AM
7	Keep up the good work	3/4/2021 10:58 AM
8	I live in Monticello Piatt County but still love all of you.	3/3/2021 3:04 PM
9	I'm impressed with the scope of the plan, and look forward to hearing more about it!	2/25/2021 6:43 PM
10	You've done a really thorough and thoughtful job! As part of the Technical Assistance Program at ISTC, I've assisted a wide variety of organizations, including other park districts and forest preserves. Please don't hesitate to reach out to me if you need someone to review draft policies, want to brainstorm ideas, or if you need assistance finding resources relevant to any of your goals (email jscrogum@illinois.edu). I'll spread the word about this survey. Good luck with your continued efforts and implementation! --Joy Scrogum	2/24/2021 4:21 PM
11	I hope my comments helped.	2/24/2021 1:29 PM
12	While I also like trees, recognize that a Park District in a Prairie State may find the need to reduce trees in some settings to produce a more natural landscape. There is only one place in the world where Illinois' prairie grows naturally.	2/23/2021 6:16 PM
13	Crystal lake needs to be stocked with native species current IDNR fisheries report lists only catfish biodiversity in aquatic ecosystems is crucial to water quality	2/22/2021 7:54 PM
14	THANK YOU FOR SEEKING FEEDBACK.	2/22/2021 7:44 PM
15	Glad to see these plans; hopefully we can follow through :)	2/22/2021 4:26 PM

Appendix C

NRPA Climate Statement

Climate Statement for the National Recreation and Park Association

 nrpa.org/about-national-recreation-and-park-association/press-room/climate-statement-for-the-national-recreation-and-park-association/

Ashburn, Va. (November 9, 2020)

Rising global temperatures are causing major physical, chemical and ecological changes to the planet. These climate changes are primarily driven by emissions of greenhouse gases as the result of human activity and are impacting how communities live, work and play. In particular, climate changes are impacting the health, safety and security of our communities – nationwide, people are experiencing more extreme weather events, as well as mass flooding, extreme temperatures, and worsening air and water quality. NOAA’s National Centers for Environmental Information estimates the cost of 273 weather and climate disasters in the United States since 1980 exceeds \$1.790 trillion. However, that figure fails to account for fatalities as well as the short- and long-term physical and mental health impacts of these disasters.

People across the country are feeling the effects, and the majority are concerned about climate change. In particular, survey data from Yale University reveals that people who are Black and/or Hispanic/Latino are the most likely to join a campaign to convince elected officials to take action to reduce global warming. Yet, because of current and historical discriminatory practices and policies, Black, Indigenous and people of color (BIPOC), as well as people living in lower income communities face the greatest impacts of a changing climate and receive less resources and support to prepare for, respond to and recover from extreme weather events. NRPA seeks to address the systemic inequities and injustices that exist nationwide and harness this desire to confront the realities of climate change by leveraging the power of parks and green spaces as critical and adaptive community infrastructure accessible to all.

Park and recreation professionals plan, manage, program and maintain 11 million acres of public parks and green spaces across the country, and are poised to bring community-driven climate solutions that build a healthy, more resilient and more equitable future for generations to come. They are catalysts for positive change in service of equity, climate-readiness, and overall health and well-being. As key innovators of positive change, NRPA is elevating the essential role that park and recreation professionals play in advancing upstream solutions and dismantling the systems that perpetuate climate and health disparities, in order to build stronger, more vibrant and resilient communities where everyone thrives.

Park and recreation professionals are constantly delivering essential services, adapting to challenges and driving community-based innovation. Working side by side with their local communities, park and recreation professionals prepare them to adapt to a changing climate

by:

- Implementing multi-benefit green infrastructure solutions that improve water quality, reduce flood risk, lessen urban heat island effect and clean the air
- Creating habitats for pollinators and other wildlife
- Connecting children and adults with the life-enhancing benefits of the outdoors
- Expanding access to local and fresh produce through farmers markets and community gardens
- Preparing and responding to climate-related disasters with essential services, like emergency shelter
- Connecting community members to social resources and food distribution
- Assessing and closing gaps in high-quality park and recreation access
- Reducing the environmental footprint of their facilities and operations

At the federal level, NRPA advocates for substantial increases in infrastructure investment and the prioritization of local projects; projects that will help our communities get beyond the cycle of disaster response and recovery and into approaches that design and build climate-ready solutions into the natural infrastructure of parks and green spaces. These solutions will create ongoing resilience to climate change impacts. In support of this and to ensure equity is centered in all that we do, NRPA is working to prepare our more than 60,000 park and recreation leaders to build community resiliency by providing:

- Climate resilience planning and action
- Training and certification opportunities, including community engagement workshops, a sustainability school, climate literacy and advocacy training, and green infrastructure certification
- Research and tools focused on the intersection of the health impacts of climate change, equity, sustainability practices, and park and green-space solutions
- Strategies to improve access to high-quality, climate-ready parks
- Resources for environmental education programs and ways to increase youth and adult engagement with the outdoors and the stewardship of our environment
- Recruitment tools and workforce development strategies that diversify the field of parks and recreation and build economic opportunity
- Methods for reducing environmental footprints
- Technical assistance, innovative funding mechanisms and investments for demonstration projects to drive systems-level change and scale best practices

As an organization, NRPA is dedicated to reducing the environmental footprint, increasing the sustainability of our own operations and ensuring that equity remains at the center of these efforts. NRPA's headquarters has implemented environmentally friendly business policies and practices, including sustainable land management that preserves wetlands, energy efficiency measures, waste reduction, and a flexible telework and remote work policy. As host of the largest park and recreation conference in the United States, NRPA has made significant strides to shift to more sustainable practices that align with the host city,

including use of a conference app, reducing food and paper waste, donating or recycling exhibit hall materials, and purchasing bag holders and tote bags made from recycled materials. Over the next three years, NRPA will be working on strengthening the sustainability and equity practices of our annual conference and overall operations to further align our practices to our mission and values.

Appendix D

Initial Indicators of Resilience

Champaign County Climate Resilience Task Force: Initial Efforts

As a 2016 signatory of the Second Nature Climate Resilience Commitment, the University of Illinois through the Institute for Sustainability, Energy, and Environment created a new committee of community members and campus experts to address what must be done to prepare Champaign County for vulnerabilities to extreme weather and other results of climate change.

Members of the Champaign County Climate Resilience Task Force (CCCRTF) included professors and subject matter experts at the University of Illinois, representatives from local organizations such as Carle Hospital, Champaign County Emergency Management Association, the cities of Champaign and Urbana, and other relevant groups.

The purpose of the group is to lead a campus and community climate resilience assessment, and to integrate the framework into planning for future Climate Action Plans that will identify thresholds of resilience and outline milestones for increasing resilience in Champaign County.

To date, the committee has met 5 times from April 2017 to April 2018. Specific activities included establishing the formal scope and vision for the committee, reviewing climate projections for the immediate region to establish which climate hazards are most relevant to the Champaign County area, and joint exercises that provided feedback into the current areas of greatest strength and need for the campus and community to prepare for climate change impacts.

As a result of these meetings, a resilience framework was established identifying key climate hazards and key resilience indicators for future planning. While climate change will undoubtedly impact Champaign County in a number of ways, the key hazards identified by the CCCRTF that require immediate, priority attention are extreme weather variability, rainfall flooding, and severe storms.

Assessing our community's resilience to climate change is in many ways more challenging than assessing something like its progress toward carbon neutrality. Toward this end, the CCCRTF identified 15 Resilience Indicators for immediate consideration and evaluation. These may be revised throughout the planning process as is appropriate. While a full list of all 15 indicators is available at the end of this document, general themes emerged around joint community planning for climate change impacts, ensuring adequate health care services are available in case of emergencies, and maintaining and improving key infrastructure and ecosystem efforts.

With a rough, malleable framework established for future resilience planning, the CCCRTF has identified three goals for the coming year. The first is to draft a joint proclamation between the University and the cities of Champaign and Urbana declaring shared recognition of the importance of creating a more resilient community.

The second goal is to begin to take resilience indicators and conduct formal assessment on our current baseline. This may be an opportunity for students enrolled in independent study courses to aggregate existing data from sources such as the US Census Bureau, US Geological Survey, FEMA, among others, to flesh out the status of individual resilience indicators.

The final goal is to begin identifying short to mid-term goals for the University of Illinois to enhance its resilience to climate change impacts through integration with the next edition of the Illinois Climate Action Plan. Current members of the CCCRTF will join a larger team of faculty, staff, students, and community members in the drafting of the University's road map for the 2020-2025 portion of its journey toward a carbon-neutral and truly resilient future.

Champaign County Climate Resilience Task Force: Planning Participants

- Jim Angel, State Climatologist
- Tina-Marie Ansong, City of Champaign Associate Planner
- Rita Black, Champaign County Regional Planning Commission
- John Dwyer, Champaign County Emergency Management Agency
- Paolo Gardoni, Professor of Civil & Environmental Engineering
- Nancy Holm, Assistant Director of Illinois Sustainable Technology Center
- Micah Kenfield, Sustainability Programs Coordinator
- Madhu Khanna, Associate Director of Education & Outreach at iSEE
- Warren Lavey, Adjunct Assistant Professor of Natural Resources and Environmental Sciences
- Sally McConkey, Senior Professional Scientist at Illinois State Water Survey
- Timothy Meneely, Carle Hospital
- Susan Monte, City of Champaign
- Marilyn O'Hara Ruiz, Clinical Associate Professor of Pathobiology
- Lacey Rains, City of Champaign Sustainability Planner
- Holly Rosencranz, Assistant Professor of Clinical Medicine
- Scott Tess, City of Urbana Environmental Sustainability Manager
- Morgan White, Director of Sustainability at Facilities & Services
- Gillen D'Arcy Wood, Associate Director of Education & Outreach at iSEE
- Bev Wilson, Associate Professor of Urban and Regional Planning
- Don Wuebbles, Professor of Atmospheric Sciences

Initial Indicators of Resilience

Social Equity & Governance	
Emergency Preparedness Planning and Intergovernmental Agreements	To some extent there is shared planning and existing agreements between the University and the community for emergency preparedness planning, though most of the existing partnerships only address acute emergencies, not longer-term recovery or preparation for ongoing climate change impacts. Immediate areas of growth included expanding joint planning and conducting vulnerability mapping exercises for the area.
Food Security	A number of food banks exist to serve campus and the Champaign County community at large. A formal assessment needs to be conducted to measure how many individuals / families can be served by area food banks and how much additional support is needed from campus and the community moving forward.
Inclusive Access to Diversified Modes of Transportation	Much of the campus and community currently have multiple options for transit to campus, even in the immediate aftermath of extreme weather events. Low or no cost use of local buses is available to residents in the area, and buses can operate in conditions where single-occupancy cars may not be able to. A continual area of growth is in expanding access to outlying areas where many faculty and staff commute from.
Community Resilience and Emergency Messaging	Many emergency communications are only available in English despite a large portion of the community having other primary languages. Preparedness messaging tends to be available in multiple languages, but there is always opportunity to grow in this area.

Health & Wellness	
Healthcare Coverage and Access	As part of the planning process for future resilience efforts, data on the current percentage of local population that is uninsured and the current ability of local hospitals to provide indigent care will be collected.
Emergency Shelter for Extreme Climate and Weather Events	Campus and the surrounding area have a number of facilities that can serve as shelter during extreme weather / climate events, ranging from tornado shelters during extreme storms to cooling / heating centers during extreme heat or cold. As part of the upcoming vulnerability mapping efforts, assessment will be conducted on the current locations of shelters relative to the needs of at-risk groups, and whether these spaces are appropriately stocked to support those present during extreme weather events.
Emergency Healthcare Preparedness	Local hospitals, long-term care facilities, and dialysis centers are required by state law to have emergency plans in place and on file. An assessment of the current number of emergency beds available in the immediate community relative to the total population will be conducted in the coming year.

Ecosystem Services	
Stormwater Management	Campus and community both have strong stormwater abatement strategies with plans for areas of improvement. For example, campus has been considering expansion of bioswales and permeable pavement to reduce impervious surfaces around campus. As part of vulnerability mapping and planning exercises, data will be collected on the number of local residences and businesses that have flood insurance and, as available, the number of reports of flooding (especially basement flooding) of local areas.
Tree Health and Tree Canopy	Both campus and the local cities have been recognized as Tree Cities USA / a Tree Campus USA, and have numerous healthy trees in the area. The main area of focus for this indicator is ensuring continued care of trees and appropriate replanting to protect and expand these efforts.
Grounds Management	Campus already has some level of sustainable grounds management policies; however, additional training and policies are needed to improve the native plant ecosystem, support pollinators, and reduce need for watering and external inputs.

Infrastructure	
Grid Capacity	Champaign County has one of the first microgrids in Illinois. Ameren Illinois, the local utility provider, has already equipped 83,000 local homes with smart meters, with plans to expand smart meter use to the entire service area by 2019. These efforts will assist in avoiding brownouts or power shortages, even in times of heavy demand.
Building Standards	Campus builds all new construction and renovation over a certain cost to international building standards for utility efficiency and ability to withstand extreme weather. All facilities are built to state energy efficiency standards by law.

Economic	
Financial Assistance for Residential Weatherproofing	Both Ameren Illinois and Champaign County Regional Planning Commission offer incentives and assistance to area residents, including UIUC faculty, staff, and students, to weatherproof their homes. While programs exist, data needs to be gathered on current utilization and opportunities for expansion.
Stormwater Utility Fee	Champaign and Urbana both charge a stormwater utility fee based off impervious area of commercial and residential properties that augments general fund monies to support expanded stormwater abatement efforts.
Emergency Funds for Disaster Relief	Campus has a small Faculty/Staff Assistance Program that provides funds to support faculty and staff through times of need in some cases. One area of possible support from campus for the community at large is providing assistance from expert faculty in drafting emergency preparedness grants for community organizations.