Climate Change Needs Assessment Survey FINAL

1. What best describes your professional role?

	Response Percent	Response Count
Planning - land use, transportation, ports, energy, or water infrastructure	**20.3%**	**14**
Sustainability	0.0%	0
Zoning	7.2%	5
Housing and business development	2.9%	2
Energy procurement	0.0%	0
Engineer	1.4%	1
Public works	4.3%	3
Public service	4.3%	3
Plan review	0.0%	0
Permit review	2.9%	2
Stormwater management	4.3%	3
Watershed management	8.7%	6
Water system management	1.4%	1
Wastewater management	0.0%	0
Natural resource management	17.4%	12
Environmental protection	8.7%	6
Harbor/marina management or operations	0.0%	0
Port management or operations	1.4%	1
Public health protection	0.0%	0

Emergency management	4.3%	3
Policy-making	10.1%	7
	Other (please specify)	9
	answered question	**69**
	skipped question	**7**

2. What best describes your affiliation?

	Response Percent	Response Count
Federal government	2.6%	2
Tribal government	0.0%	0
State government	**36.8%**	**28**
Regional government	3.9%	3
County government	13.2%	10
Local government	31.6%	24
Private sector	1.3%	1
Non-profit	6.6%	5
University	3.9%	3
	Other (please specify)	0
	answered question	**76**
	skipped question	**0**

3. In which watershed do you primarily conduct your work?

	Response Percent	Response Count
Erie	0.0%	0
Huron	0.0%	0
Michigan	**71.6%**	**48**
Ontario	0.0%	0
Superior	20.9%	14
Outside the Great Lakes watershed	6.0%	4
Don’t know	1.5%	1
	Other (please specify)	10
	answered question	**67**
	skipped question	**9**

4. Please select the primary state in which you work:

	Response Percent	Response Count
Illinois	0.0%	0
Indiana	0.0%	0
Michigan	0.0%	0
Minnesota	0.0%	0
New York	0.0%	0
Ohio	0.0%	0
Pennsylvania	0.0%	0
Wisconsin	**100.0%**	**76**
	Other (please specify)	0
	answered question	**76**
	skipped question	**0**

5. How much do you trust the following as sources of information about climate change? (select all that apply)

	Strongly distrust	Somewhat distrust	Somewhat trust	Strongly trust	Don't Know	Rating Average	Response Count
Newspapers	8.5% (6)	38.0% (27)	**45.1% (32)**	4.2% (3)	4.2% (3)	2.47	71
Peer reviewed journals	2.9% (2)	1.4% (1)	29.0% (20)	**60.9% (42)**	5.8% (4)	3.57	69
Magazines	2.9% (2)	34.8% (24)	**52.2% (36)**	5.8% (4)	4.3% (3)	2.64	69
Books	3.0% (2)	12.1% (8)	**60.6% (40)**	16.7% (11)	7.6% (5)	2.98	66
Television	20.0% (14)	**51.4% (36)**	24.3% (17)	0.0% (0)	4.3% (3)	2.04	70
Radio	17.4% (12)	34.8% (24)	**39.1% (27)**	4.3% (3)	4.3% (3)	2.32	69
Internet	10.1% (7)	39.1% (27)	**42.0% (29)**	5.8% (4)	2.9% (2)	2.45	69
Professional listserv	2.9% (2)	8.8% (6)	30.9% (21)	**36.8% (25)**	20.6% (14)	3.28	68
Family and friends	8.7% (6)	**43.5% (30)**	31.9% (22)	8.7% (6)	7.2% (5)	2.44	69
University scientists	2.9% (2)	1.4% (1)	28.6% (20)	**64.3% (45)**	2.9% (2)	3.59	70
State agency	2.8% (2)	4.2% (3)	**56.3% (40)**	35.2% (25)	1.4% (1)	3.26	71
Federal agency	4.2% (3)	7.0% (5)	**53.5% (38)**	33.8% (24)	1.4% (1)	3.19	71
Conferences and symposiums	2.9% (2)	1.4% (1)	**50.0% (35)**	41.4% (29)	4.3% (3)	3.36	70
Peers or colleagues	2.9% (2)	4.4% (3)	**52.9% (36)**	38.2% (26)	1.5% (1)	3.28	68
					Other (please specify)		4
					answered question		**71**
					skipped question		**5**

6. How well informed do you feel you are about ...

	Not at all informed	Not very well informed	Fairly well informed	Very well informed	Don't know	Rating Average	Response Count
The causes of climate change	1.4% (1)	8.5% (6)	**59.2% (42)**	31.0% (22)	0.0% (0)	3.20	71
The impacts of climate change in your region	1.4% (1)	18.3% (13)	**64.8% (46)**	15.5% (11)	0.0% (0)	2.94	71
Ways to reduce climate change	1.5% (1)	18.2% (12)	**51.5% (34)**	27.3% (18)	1.5% (1)	3.06	66
Ways to prepare for the impacts of climate change	5.8% (4)	**47.8% (33)**	36.2% (25)	8.7% (6)	1.4% (1)	2.49	69
						answered question	**71**
						skipped question	**5**

7. To what extent will climate change impact your job?

	Not at all	Only a little	A moderate amount	A great deal	Don't know	Rating Average	Response Count
Degree of impact	4.2% (3)	9.9% (7)	**38.0% (27)**	33.8% (24)	14.1% (10)	3.18	71
						Comments:	7
						answered question	**71**
						skipped question	**5**

8. Please rate the following terms in relationship to their acceptance among your co-workers and colleagues:

	Highly unaccepted	Not accepted	Neither accepted nor unaccepted	Accepted	Highly accepted	Rating Average	Respons Count
Climate change	5.7% (4)	7.1% (5)	15.7% (11)	**47.1% (33)**	24.3% (17)	3.77	7
Global warming	7.1% (5)	11.4% (8)	25.7% (18)	**45.7% (32)**	10.0% (7)	3.40	7
Community resilience	4.3% (3)	4.3% (3)	**58.0% (40)**	26.1% (18)	7.2% (5)	3.28	6
Climate readiness	4.3% (3)	15.9% (11)	**63.8% (44)**	14.5% (10)	1.4% (1)	2.93	6
Community adaptability	7.1% (5)	14.3% (10)	**45.7% (32)**	27.1% (19)	5.7% (4)	3.10	7
Hazard mitigation	7.2% (5)	8.7% (6)	**37.7% (26)**	36.2% (25)	10.1% (7)	3.33	6
Community sustainability	2.9% (2)	1.4% (1)	**40.0% (28)**	35.7% (25)	20.0% (14)	3.69	7
					answered question		**7**
					skipped question		

9. Is climate change adaptation or mitigation planning occurring in your community or organization?

	Response Percent	Response Count
Yes – planning is complete and implementation is underway	1.4%	1
Yes- planning is complete	0.0%	0
Yes- planning is underway	**33.8%**	**24**
No – but conversations have begun	31.0%	22
No	22.5%	16
Don't know	11.3%	8
	Comments:	5
	answered question	**71**
	skipped question	**5**

10. What steps have been taken related to climate planning in your community or organization? (Select all that apply)

	Response Percent	Response Count
Convened working group	**83.3%**	**20**
Conducted background research	62.5%	15
Initiated public discussion	58.3%	14
Assessed climate change impacts on communities	25.0%	6
Assessed climate change impacts on ecosystems	50.0%	12
Assessed climate change impacts on infrastructure	37.5%	9
Selected adaptation strategies and develop plan	33.3%	8
Adopted and implemented climate related policies	16.7%	4
Adopted and implemented new zoning ordinances	4.2%	1
Dedicated funding for achieving adaptation or mitigation strategies	8.3%	2
Implemented ecosystem based management strategies	8.3%	2
Contacted specialist at a university, state, or federal agency for information and/or assistance	66.7%	16
Participated in clean energy initiatives such as Cool Cities	20.8%	5
State level plans have been developed	29.2%	7
Climate change impacts have been addressed through existing planning processes	16.7%	4

Don't know	12.5%	3
	Other (please specify)	0
	answered question	**24**
	skipped question	**52**

11. Is your community or organization looking toward other city or state climate planning as models? If so, which ones:

	Response Count
	9
answered question	**9**
skipped question	**67**

12. Please describe particular elements of your climate planning that you feel are exceptional:

	Response Count
	8
answered question	**8**
skipped question	**68**

13. Does your community or organization conduct research or monitoring related to climate change ? If so, what is the nature of the work being conducted? Are the data or results being produced integrated into regional networks?

	Response Count
	8
answered question	**8**
skipped question	**68**

14. To what extent do you see the following as BARRIERS to planning for climate change?

	Not a barrier	Slight barrier	Moderate barrier	Significant barrier	Don't know	Rating Average	Response Count
Climate change is not a priority	5.9% (4)	4.4% (3)	32.4% (22)	**52.9% (36)**	4.4% (3)	3.38	68
Timescale (too far into the future)	4.5% (3)	12.1% (8)	**39.4% (26)**	36.4% (24)	7.6% (5)	3.16	66
Spatial scale – cannot relate at the local level	3.0% (2)	22.7% (15)	25.8% (17)	**43.9% (29)**	4.5% (3)	3.16	66
Staff time	1.5% (1)	13.8% (9)	29.2% (19)	**46.2% (30)**	9.2% (6)	3.32	65
Knowledge - unsure of how to begin or what process to use	7.6% (5)	19.7% (13)	**39.4% (26)**	27.3% (18)	6.1% (4)	2.92	66
Technical capabilities	12.3% (8)	18.5% (12)	**40.0% (26)**	21.5% (14)	7.7% (5)	2.77	65
Lack of public support	3.0% (2)	14.9% (10)	35.8% (24)	**40.3% (27)**	6.0% (4)	3.21	67
Lack of political support	3.0% (2)	7.6% (5)	18.2% (12)	**65.2% (43)**	6.1% (4)	3.55	66
Denial that it is happening or a problem	7.6% (5)	4.5% (3)	31.8% (21)	**51.5% (34)**	4.5% (3)	3.33	66
Too much uncertainty about rate and amount of climate change	4.5% (3)	16.7% (11)	**36.4% (24)**	34.8% (23)	7.6% (5)	3.10	66
Too much uncertainty about impacts of climate change	6.1% (4)	13.6% (9)	33.3% (22)	**40.9% (27)**	6.1% (4)	3.16	66
Too much uncertainty about management options for reducing climate change	3.0% (2)	18.2% (12)	**40.9% (27)**	31.8% (21)	6.1% (4)	3.08	66
Too much uncertainty about management options for adapting to climate change impacts	3.1% (2)	15.4% (10)	**44.6% (29)**	27.7% (18)	9.2% (6)	3.07	65
Agency/organizational support	7.6% (5)	19.7% (13)	**33.3% (22)**	30.3% (20)	9.1% (6)	2.95	66
Funding	1.5% (1)	6.1% (4)	16.7%	**65.2% (43)**	10.6%	3.63	66

			(11)		(7)		
Cooperation and coordination between agencies and organizations	9.2% (6)	18.5% (12)	**36.9% (24)**	27.7% (18)	7.7% (5)	2.90	65
Access to data and information	13.8% (9)	24.6% (16)	**35.4% (23)**	18.5% (12)	7.7% (5)	2.63	65
Facilitation assistance	19.7% (13)	15.2% (10)	**28.8% (19)**	19.7% (13)	16.7% (11)	2.58	66
Planning and policy guidance	12.3% (8)	13.8% (9)	**33.8% (22)**	27.7% (18)	12.3% (8)	2.88	65
Institutional inertia	6.3% (4)	20.3% (13)	28.1% (18)	**34.4% (22)**	10.9% (7)	3.02	64
						Other barriers / comments:	2

answered question	**68**
skipped question	**8**

15. To what extent do you see the following as BENEFITS of planning for climate change?

	Not a benefit	Slight benefit	Moderate benefit	Significant benefit	Don't know	Rating Average	Response Count
Reduced risks to human health and safety	3.0% (2)	12.1% (8)	16.7% (11)	**63.6% (42)**	4.5% (3)	3.48	66
Reduced economic losses or increased economic benefits (longer tourism season)	6.3% (4)	10.9% (7)	21.9% (14)	**57.8% (37)**	3.1% (2)	3.35	64
Compliance with federal and state mandates	6.2% (4)	24.6% (16)	**40.0% (26)**	23.1% (15)	6.2% (4)	2.85	65
Meeting political and public demand	6.3% (4)	28.1% (18)	**34.4% (22)**	26.6% (17)	4.7% (3)	2.85	64
Improved quality of life for future generations	3.1% (2)	9.2% (6)	15.4% (10)	**67.7% (44)**	4.6% (3)	3.55	65
Protecting public infrastructure and services	3.1% (2)	7.8% (5)	21.9% (14)	**62.5% (40)**	4.7% (3)	3.51	64
More secure water supply	3.1% (2)	6.3% (4)	21.9% (14)	**65.6% (42)**	3.1% (2)	3.55	64
Conserving habitat for wildlife	1.6% (1)	10.9% (7)	26.6% (17)	**57.8% (37)**	3.1% (2)	3.45	64
Improved environmental quality	1.5% (1)	9.2% (6)	24.6% (16)	**60.0% (39)**	4.6% (3)	3.50	65
Job creation	9.4% (6)	17.2% (11)	31.3% (20)	**32.8% (21)**	9.4% (6)	2.97	64
					Other benefits / comments:		2

answered question	**66**
skipped question	**10**

16. How much information do you need in the following areas to effectively do your job?

	I do not need any more information	I need a little more information	I need some more information	I need a lot more information	Don't know	Rating Average	Respo Cou
The science of climate change (causes, evidence)	21.2% (14)	22.7% (15)	**34.8% (23)**	15.2% (10)	6.1% (4)	2.47	
Scientific projections of climate change phenomena such as temperature rise, precipitation, and lake level – locally	10.8% (7)	16.9% (11)	**38.5% (25)**	29.2% (19)	4.6% (3)	2.90	
Scientific projections of climate change phenomena such as temperature rise, precipitation, and lake level – regionally	10.6% (7)	18.2% (12)	**39.4% (26)**	25.8% (17)	6.1% (4)	2.85	
Scientific projections of climate change phenomena such as temperature rise, precipitation, and lake level – nationally	18.8% (12)	28.1% (18)	**32.8% (21)**	14.1% (9)	6.3% (4)	2.45	
Potential impacts of climate change - locally	9.1% (6)	16.7% (11)	**36.4% (24)**	34.8% (23)	3.0% (2)	3.00	
Potential impacts of climate change - regionally	6.2% (4)	16.9% (11)	**41.5% (27)**	30.8% (20)	4.6% (3)	3.02	
Potential impacts of climate change – nationally	16.7% (11)	28.8% (19)	**34.8% (23)**	15.2% (10)	4.5% (3)	2.51	
Timescale of projected climate change impacts	9.2% (6)	24.6% (16)	27.7% (18)	**35.4% (23)**	3.1% (2)	2.92	
Establishing a vision and goals for adaptation planning	14.3% (9)	22.2% (14)	17.5% (11)	**38.1% (24)**	7.9% (5)	2.86	
Assessment of community vulnerability to climate change	6.3% (4)	10.9% (7)	34.4% (22)	**43.8% (28)**	4.7% (3)	3.21	
Assessment of ecosystem vulnerability to climate change	7.6% (5)	18.2% (12)	30.3% (20)	**37.9% (25)**	6.1% (4)	3.05	
Economic costs and benefits of climate change impacts and adaptation strategies	6.1% (4)	6.1% (4)	28.8% (19)	**54.5% (36)**	4.5% (3)	3.38	

Climate change mitigation strategies	7.7% (5)	20.0% (13)	24.6% (16)	**41.5% (27)**	6.2% (4)	3.07
Financial assistance and/or incentives for adapting to climate change	6.2% (4)	7.7% (5)	24.6% (16)	**53.8% (35)**	7.7% (5)	3.37
Uncertainty ranges around projected climate change impacts as an indication of scientific confidence	15.6% (10)	14.1% (9)	**29.7% (19)**	26.6% (17)	14.1% (9)	2.78
Strategies for communicating with the public about climate change	6.2% (4)	21.5% (14)	**35.4% (23)**	32.3% (21)	4.6% (3)	2.98
How to build public and stakeholder support for climate planning	7.9% (5)	20.6% (13)	28.6% (18)	**36.5% (23)**	6.3% (4)	3.00
Tools to assess climate change impact scenarios and select adaptation strategies	9.4% (6)	18.8% (12)	28.1% (18)	**35.9% (23)**	7.8% (5)	2.98
Sample policy or legislation and how these were implemented	12.3% (8)	13.8% (9)	27.7% (18)	**35.4% (23)**	10.8% (7)	2.97
Examples of how Great Lakes and other communities are preparing for climate change (case studies)	6.1% (4)	13.6% (9)	28.8% (19)	**47.0% (31)**	4.5% (3)	3.22
Lessons learned from communities that have taken action	4.6% (3)	9.2% (6)	27.7% (18)	**50.8% (33)**	7.7% (5)	3.35
Monitoring the impacts of climate change	7.6% (5)	13.6% (9)	30.3% (20)	**42.4% (28)**	6.1% (4)	3.15
					Other (please specify)	
					answered question	
					skipped question	

17. How much information do you need related to climate change impacts on the following in order to effectively do your job?

	I do not need any more information	I need a little more information	I need some more information	I need a lot more information	Don't know	Rating Average	Respo Cou
Stormwater infrastructure	24.2% (15)	17.7% (11)	**30.6% (19)**	21.0% (13)	6.5% (4)	2.52	
Wastewater infrastructure	22.6% (14)	22.6% (14)	**33.9% (21)**	12.9% (8)	8.1% (5)	2.40	
Drinking water infrastructure	16.7% (10)	25.0% (15)	**36.7% (22)**	13.3% (8)	8.3% (5)	2.51	
Shore armoring (bulkheads, revetments, etc)	22.2% (14)	14.3% (9)	**34.9% (22)**	23.8% (15)	4.8% (3)	2.63	
Natural shorelines	14.5% (9)	12.9% (8)	**37.1% (23)**	32.3% (20)	3.2% (2)	2.90	
Beach management	21.0% (13)	19.4% (12)	**27.4% (17)**	25.8% (16)	6.5% (4)	2.62	
Land use planning and zoning	12.9% (8)	21.0% (13)	**35.5% (22)**	25.8% (16)	4.8% (3)	2.78	
Nonpoint source pollution	14.5% (9)	17.7% (11)	**37.1% (23)**	22.6% (14)	8.1% (5)	2.74	
Wildlife management	12.7% (8)	19.0% (12)	**39.7% (25)**	20.6% (13)	7.9% (5)	2.74	
Ecosystem protection and management	7.9% (5)	23.8% (15)	**33.3% (21)**	30.2% (19)	4.8% (3)	2.90	
Ecosystem restoration, creation, and enhancement	9.5% (6)	25.4% (16)	28.6% (18)	**31.7% (20)**	4.8% (3)	2.87	
Fish and wildlife management	14.5% (9)	25.8% (16)	**30.6% (19)**	22.6% (14)	6.5% (4)	2.66	
Economy	15.9% (10)	17.5% (11)	**36.5% (23)**	27.0% (17)	3.2% (2)	2.77	
Recreation and tourism	17.5% (11)	15.9% (10)	**38.1% (24)**	22.2% (14)	6.3% (4)	2.69	

Agriculture	14.8% (9)	24.6% (15)	**34.4% (21)**	18.0% (11)	8.2% (5)	2.61
Public health	9.5% (6)	20.6% (13)	**39.7% (25)**	22.2% (14)	7.9% (5)	2.81
Shipping	28.6% (18)	20.6% (13)	**30.2% (19)**	12.7% (8)	7.9% (5)	2.29
Housing	**30.6% (19)**	19.4% (12)	24.2% (15)	16.1% (10)	9.7% (6)	2.29
Transportation infrastructure	22.2% (14)	23.8% (15)	**31.7% (20)**	15.9% (10)	6.3% (4)	2.44
Energy infrastructure	22.6% (14)	17.7% (11)	**41.9% (26)**	12.9% (8)	4.8% (3)	2.47
Emergency response and/or management	15.9% (10)	27.0% (17)	**34.9% (22)**	17.5% (11)	4.8% (3)	2.57
Coastal zone management	11.3% (7)	25.8% (16)	**32.3% (20)**	27.4% (17)	3.2% (2)	2.78
Fiscal responsibility and risk management	15.9% (10)	15.9% (10)	**39.7% (25)**	22.2% (14)	6.3% (4)	2.73
Capital investments	15.9% (10)	19.0% (12)	**33.3% (21)**	23.8% (15)	7.9% (5)	2.71
Sediment transport	16.1% (10)	22.6% (14)	**35.5% (22)**	19.4% (12)	6.5% (4)	2.62

Other (please specify)

	answered question
	skipped question

18. Are you or others in your community or organization currently using any of the following tools for climate planning?

	Use this tool myself	Tool used by others in-house	Draw on outside expertise	Building in house capacity	Don't use this tool	Response Count
Maps	30.6% (19)	**35.5% (22)**	19.4% (12)	3.2% (2)	29.0% (18)	62
GIS	19.7% (12)	**41.0% (25)**	16.4% (10)	8.2% (5)	32.8% (20)	61
Forecast models	8.3% (5)	15.0% (9)	31.7% (19)	1.7% (1)	**51.7% (31)**	60
Decision support tools	11.5% (7)	19.7% (12)	9.8% (6)	3.3% (2)	**60.7% (37)**	61
Database management	14.8% (9)	29.5% (18)	23.0% (14)	6.6% (4)	**44.3% (27)**	61
Data access	16.4% (10)	24.6% (15)	23.0% (14)	4.9% (3)	**44.3% (27)**	61
Stakeholder engagement processes	21.3% (13)	14.8% (9)	14.8% (9)	3.3% (2)	**52.5% (32)**	61
					Other (please specify)	6
					answered question	**62**
					skipped question	**14**

19. What factors prevent or limit your access to the above tools: (check all that apply)

		Response Percent	Response Count
Technical capacity		55.6%	30
Staff time		**72.2%**	**39**
Funding		63.0%	34
Access to data		35.2%	19
Knowledge about available tools		51.9%	28
		Other (please specify)	10
		answered question	**54**
		skipped question	**22**

20. Please rate your level of comfort with using an internet-based mapping service like Google Maps/Google Earth.

	Very uncomfortable	Comfortable	Very comfortable	Not sure	Never tried	Response Count
Comfort Level	13.8% (9)	32.3% (21)	**41.5% (27)**	9.2% (6)	3.1% (2)	65
					Other (please specify)	0
					answered question	**65**
					skipped question	**11**

21. To what extent are you interested in obtaining climate change knowledge and planning skills through any of the following formats?

	Not at all	A little	Somewhat	Very	Don't know	Rating Average	Response Count
Short introductory presentations introducing climate change impacts, adaptation strategies, or tools	7.7% (5)	29.2% (19)	24.6% (16)	**38.5% (25)**	0.0% (0)	2.94	65
One day intermediate training workshop covering climate change impacts in my region, fundamentals of vulnerability assessment and adaptation planning, and real world examples.	13.8% (9)	7.7% (5)	32.3% (21)	**46.2% (30)**	0.0% (0)	3.11	65
Multi-day advanced training course focused on identifying impacts of climate change on assets and resources I am mandated to manage and partners needed to proactively address these impacts.	20.6% (13)	19.0% (12)	**36.5% (23)**	22.2% (14)	1.6% (1)	2.61	63
Webcasts on discrete climate change impacts or adaptation strategies	12.3% (8)	12.3% (8)	24.6% (16)	**49.2% (32)**	1.5% (1)	3.13	65
Websites	7.8% (5)	14.1% (9)	**42.2% (27)**	35.9% (23)	0.0% (0)	3.06	64
Fact sheets	11.3% (7)	11.3% (7)	35.5% (22)	**41.9% (26)**	0.0% (0)	3.08	62
					Other (please specify)		4
					answered question		**65**
					skipped question		**11**

22. Is there anything we forgot to ask that you think is important for us to know?

	Response Count
	6
answered question	**6**
skipped question	**70**

1. What best describes your professional role?

1	public outreach and education	Jan 19, 2011 3:42 PM
2	Support Community Comprehensive Planning	Jan 20, 2011 8:54 AM
3	state energy office	Jan 20, 2011 11:08 AM
4	Education	Jan 24, 2011 1:27 PM
5	Parks and recreation	Jan 25, 2011 11:53 AM
6	Education and research	Jan 26, 2011 6:33 AM
7	Also Public Works	Jan 27, 2011 1:37 PM
8	Biodiversity Conservation, Land Protection	Jan 28, 2011 8:20 AM
9	Education/Outreach	Feb 3, 2011 12:57 PM

1. In which watershed do you primarily conduct your work?

1	State of Wisconsin	Jan 19, 2011 4:11 PM
2	all watersheds draining from Wisconsin	Jan 20, 2011 8:10 AM
3	Michigan & Superior	Jan 20, 2011 8:40 AM
4	All GL Communities (on Mich, Sup) who plan for natural resources in WI	Jan 20, 2011 8:56 AM
5	Superior and Michigan	Jan 20, 2011 10:19 AM
6	Also Superior	Jan 20, 2011 1:16 PM
7	lakes superior and michigan	Jan 20, 2011 3:48 PM
8	Superior, Michigan, and outside	Jan 26, 2011 6:36 AM
9	Michigan and Superior	Jan 31, 2011 12:24 PM

1. In which watershed do you primarily conduct your work?		
10	Michigan and Superior	Feb 3, 2011 9:23 AM

1. How much do you trust the following as sources of information about climate change? (select all that apply)		
1	This obviously depends on the quality and character of the source. Opinion is often stated as fact and separating the two can be difficult.	Jan 20, 2011 8:14 AM
2	Depends on research funding source	Jan 20, 2011 8:18 AM
3	Community officials who've experienced extreme events	Jan 20, 2011 8:59 AM
4	I consider Public Radio and Public TV a strongly trust source	Jan 29, 2011 3:24 PM

2. To what extent will climate change impact your job?		
1	Without having a full understanding of the potential impacts of climate change on our community I'm not entirely sure if or how my job duties will change.	Jan 19, 2011 3:30 PM
2	May become a programming area for public education for me.	Jan 19, 2011 3:44 PM
3	I feel floodplain and shoreland zoning regulations will be impacted most, along with erosion control/stormwater runoff issues with steep clay bank erosion.	Jan 20, 2011 7:18 AM
4	the pace and severity of the changes is not clear. Some impacts may be beneficial rather than adverse. In the short term the impacts will probably be minor.	Jan 20, 2011 8:16 AM
5	Communities in WI are very interested in talking about and learning more about the impacts and the adaptation strategies that are specific to their needs	Jan 20, 2011 9:00 AM
6	It is easier to personally prepare for the impacts, but not at all easy to prepare a whole society that is poorly informed by mass media and certain politicians	Jan 29, 2011 3:25 PM
7	It will impact how Land Conservation Departments handle Stormwater management.	Feb 8, 2011 10:31 AM

1. Is climate change adaptation or mitigation planning occurring in your community or organization?		
1	Due to political changes the planning will be limited.	Jan 20, 2011 8:19 AM
2	Yes, at DNR. My perception is that communities in WI are just beginning the discussion.	Jan 20, 2011 9:05 AM

1. Is climate change adaptation or mitigation planning occurring in your community or organization?

3	Our agency has had fits and starts with regard to planning and implementation. In certain areas we have definitely seen progress, in other areas... not so much.	Jan 20, 2011 10:50 AM
4	Planning is complete in some areas, but the level to which climate change mitigation elements are address will vary. The level to which these plans are being implemented varies as well.	Jan 24, 2011 11:25 AM
5	There are many (possibly a majority) who do not believe global climate change is real - regardless of what the facts are. Difficult to build support for a climate change plan when many don't believe it is occuring - again, regardless of the facts.	Jan 28, 2011 2:05 PM

1. Is your community or organization looking toward other city or state climate planning as models? If so, which ones:

	Response Text	
1	NO	Jan 19, 2011 7:11 PM
2	Other state PUCs, including CA.	Jan 20, 2011 7:25 AM
3	Not our water use program.	Jan 20, 2011 7:58 AM
4	California, NESCAUM/RGGI, MGA	Jan 20, 2011 8:29 AM
5	Looking toward WI Impacts of Climate Change Initiative (UW- Nelson Institute) for projections on our changing climate. Communities around the state have heard about the research and weather projections through state and local media since 2008 though there are some who don't think "climate change" per se is what is driving the extreme weather events they experience.	Jan 20, 2011 9:12 AM
6	We looked at a variety of other plans including those in California, Arizona, and tohers states, and looked at the reduction in footprint plans by National Park Service, etc.	Jan 20, 2011 10:54 AM
7	Other states.....	Jan 20, 2011 12:20 PM
8	I have been interested in what has been done by the Delaware Valley Regional Planning Commission as far as a regional GHG inventory and regional plan development. There are very few examples of climate planning being done at a regional level.	Jan 24, 2011 11:31 AM
9	Yes, numerous models. Could say which in particular.	Feb 3, 2011 1:08 PM

2. Please describe particular elements of your climate planning that you feel are exceptional:

	Response Text	
1	In this area, climate planning, human footprint, conservation of energies, etc. are all a way of life.	Jan 19, 2011 7:11 PM

2. Please describe particular elements of your climate planning that you feel are exceptional:

	Response Text	
2	State level energy planning, strategic energy assesments, Renewable Portfolio Standards, etc.	Jan 20, 2011 7:25 AM
3	We have a statewide initiative on adaptations. Our first report will be published next month. We have numerous work groups working on adaptations in specific sectors. Our water use program is a part of the water resources climate change adaptation group.	Jan 20, 2011 7:58 AM
4	Wisconsin Initiative on Climate Change Impacts (WICCI) by DNR/UW has done impacts analysis and is developing an adaptation plan on climate change effects. Public Service Commission has/will be addressing energy use, renewables, efficiency and rate setting. UW Great Lakes Bioenergy Research Center and Midwest Bioenergy Initiaitve.	Jan 20, 2011 8:29 AM
5	WICCI scientists have done an excellent job downscaling IPCC models to project local effects. They do a good job presenting information in public forums. We are just starting to ask communities to become more proactive.	Jan 20, 2011 9:12 AM
6	Our adaptation plan compiled by WICCI (Wisconsin Climate Change Intitiative).	Jan 20, 2011 10:54 AM
7	Our climate planning efforts are currently not developed enough to consider any exceptional. However, we have been active in comprehensive planning, mitigation planning, and green infrastructure planning -- which supports climate change mitigation and adaptation.	Jan 24, 2011 11:31 AM
8	Don't know if any are exceptional, but others are conducting projects in region that address changes in stormwater runoff, coastal ecosystems, and coastal infrastructure.	Feb 3, 2011 1:08 PM

3. Does your community or organization conduct research or monitoring related to climate change ? If so, what is the nature of the work being conducted? Are the data or results being produced integrated into regional networks?

	Response Text	
1	No	Jan 19, 2011 7:11 PM
2	No.	Jan 20, 2011 7:25 AM
3	Ground water monitoring network is being improved to incorporate climate change elements, but we would be improving the monitoring network regardless.	Jan 20, 2011 7:58 AM
4	Collaboration on WICCI and energy issues (biomass/waste to energy)	Jan 20, 2011 8:29 AM
5	Per WICCI scientists as new information comes up, WICCI workgroup members and WICCI affiliates are informed.	Jan 20, 2011 9:12 AM
6	working with UW on WICCI. Modelling impact scenarios at state scale	Jan 21, 2011 3:03 PM
7	No	Jan 24, 2011 11:31 AM

3. Does your community or organization conduct research or monitoring related to climate change ? If so, what is the nature of the work being conducted? Are the data or results being produced integrated into regional networks?

	Response Text	
8	UW Sea Grant supports research but is not funding a project at this time. Others are researching potential impacts of CC on Green Bay hypoxia and nutrient/TSS loading from watersheds. Data will be used in implementation of a TMDL for TP and TSS in the Fox River watershed.	Feb 3, 2011 1:08 PM

1. To what extent do you see the following as BARRIERS to planning for climate change?

1	It seem s to me in this shoreline community there is little arguement that climate change is happening, but it seems yet to be too abstract to draft policy for, particularly in zoning where stronger policy regarding protection of public resources can be met with fierce opposition for the right of the private property owner.	Jan 20, 2011 7:26 AM
2	Need a cohesive internal and intra-agency effort relative to helping communities through adaptation processes to protect themselves. This requires evolved thinking about how natural and cultural resources are impacted (are standards insufficient in certain critical areas? should they be beefed up under certain circumstances? OR CAN WE DO ADAPTATION WITHOUT REGULATORY CHANGES? (my ideal). What financial and planning resources are required for adaptation planning/implementation? Who pays? Can costs be distributed over time? over regional areas?	Jan 20, 2011 9:24 AM

1. To what extent do you see the following as BENEFITS of planning for climate change?

1	Minimal disruption in community delivery of government services.	Jan 20, 2011 9:26 AM
2	Unfortunately there is no political or public demand (or real belief it is occuring for that matter) in my jurisdiction.	Jan 28, 2011 2:08 PM

1. How much information do you need related to climate change impacts on the following in order to effectively do your job?

1	not currently doing any climate planning, operating in survival mode instead	Jan 29, 2011 3:38 PM

1. Are you or others in your community or organization currently using any of the following tools for climate planning?

1	Our local government has not taken any actions nor has the Mayor, alders, or staff even discussed the potential issues that are a result of climate change.	Jan 20, 2011 7:16 AM

1. Are you or others in your community or organization currently using any of the following tools for climate planning?		
2	I use these tools daily but not currently for climate planning.	Jan 20, 2011 7:38 AM
3	unknown	Jan 25, 2011 10:55 AM
4	We don't do climate change planning.	Jan 25, 2011 12:24 PM
5	We aren't currently doing any overt climate planning. We work concepts in through comprehensive plans, but are generally couched in other terms.	Jan 28, 2011 2:14 PM
6	not doing any climate planning at this time	Jan 29, 2011 3:38 PM

2. What factors prevent or limit your access to the above tools: (check all that apply)		
1	NOT INTERESTED	Jan 19, 2011 2:50 PM
2	internal politices	Jan 19, 2011 3:45 PM
3	Politically the issue is not a priority for the elected officials.	Jan 20, 2011 7:16 AM
4	not currently a priority work topic	Jan 20, 2011 10:03 AM
5	currently is not applicable to our duties	Jan 21, 2011 7:46 AM
6	Do not conduct climate planning.	Jan 21, 2011 10:16 AM
7	Level of current involvement with climate planning due to lack of funding.	Jan 24, 2011 11:44 AM
8	There have been no directives to plan for climate change.	Jan 25, 2011 12:24 PM
9	Climate change planning is not a priority for our elected officials.	Jan 28, 2011 2:14 PM
10	no drivers in place to create need for climate planning	Jan 29, 2011 3:38 PM

1. To what extent are you interested in obtaining climate change knowledge and planning skills through any of the following formats?		
1	Create a web page that links to others web pages or provides access to climate change reports and studies. Access to a data base service would be valuable	Jan 20, 2011 8:44 AM
2	multi day can be tricky with limited budgets. 2 days may be acceptable.	Jan 20, 2011 9:40 AM
3	Anything is better than what I have-would prefer the indepth-	Jan 24, 2011 10:05 AM
4	need more emphasis on economics of NOT planning for climate change	Jan 29, 2011 3:42 PM

2. Is there anything we forgot to ask that you think is important for us to know?

	Response Text	
1	As a professional I often wonder if it's real especially with the winters we have had recently and around the world... If I question it I then think the public or lay person has got to think this is a farce. Talk radio chatices it as propaganda. And we know that Conservatives are NOT a dying breed.	Jan 19, 2011 4:11 PM
2	NO	Jan 19, 2011 7:19 PM
3	Don't underestimate the value of bringing in community officials who've experienced extreme weather events when it comes to developing ideas about appropriate adaptation strategies and the need for various planning, financial and implementation resources. It will round out any training sessions presented.	Jan 20, 2011 9:40 AM
4	I didn;t feel the questions were very consistent. they were from the point of view of staff. probably put together by and insider and expected that an insided would answer them. assumed the respondent believed climate change is reality (which i do, but others may not). leading questions. generally would not feel the results of this survey were valid.	Jan 20, 2011 4:02 PM
5	Thank you thank you thank you! So pleased to be asked!	Jan 24, 2011 10:05 AM
6	Unfortunately I believe the public has lost sight of climate change as a huge issue we need to confront. This is primarily due to certain special interest groups and idealogues who have a vested interest in not confronting global climate change and have purposefully muddied the waters with specious studies and well-funded advertising efforts. We need to rebuild public support for any real planning or action (increased renewable energy portfolio standards, cap and trade market for carbon emissions, etc.) to occur.	Jan 28, 2011 2:20 PM