

**ANALYSIS OF SURVEY
RESPONSES FROM CLIMATE CHANGE
RESILIENCY STRATEGY OUTREACH**

**CLIMATE CHANGE RESILIENCY STRATEGY
& COASTAL RESILIENCY PLAN**

June 10, 2020



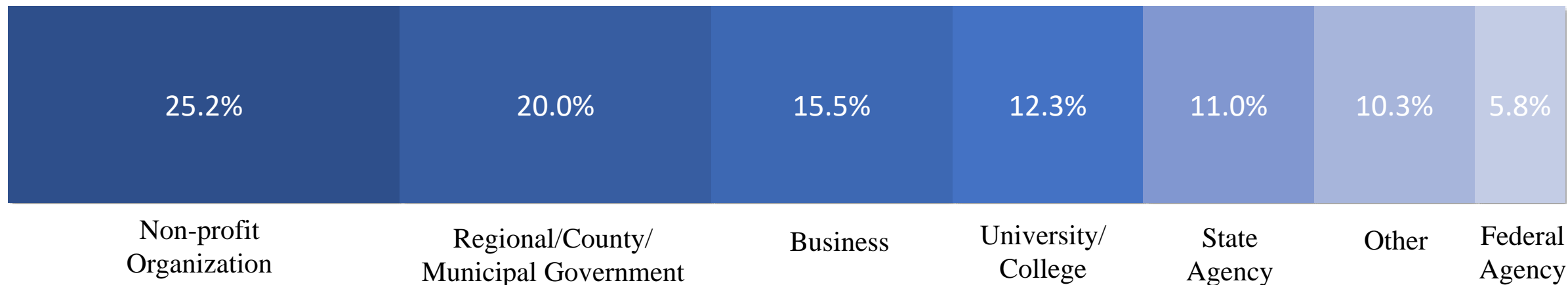
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INFORMATION ON PARTICIPANTS

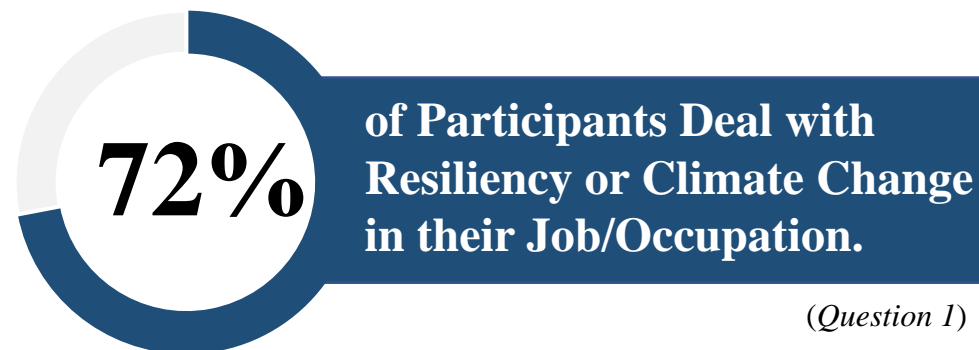
Participants

TYPES OF ORGANIZATIONS THAT PARTICIPATED *(Question 18)*



TOP 5 INDUSTRIES THAT PARTICIPATED *(Question 17)*

- 1 Environmental/Ecological (27%, 42)
- 2 Government/Public Administration (19%, 29)
- 3 Planning/Engineering/Technical Services (14%, 22)
- 4 Other (14%, 21)
- 5 Academic/Education (12%, 19)

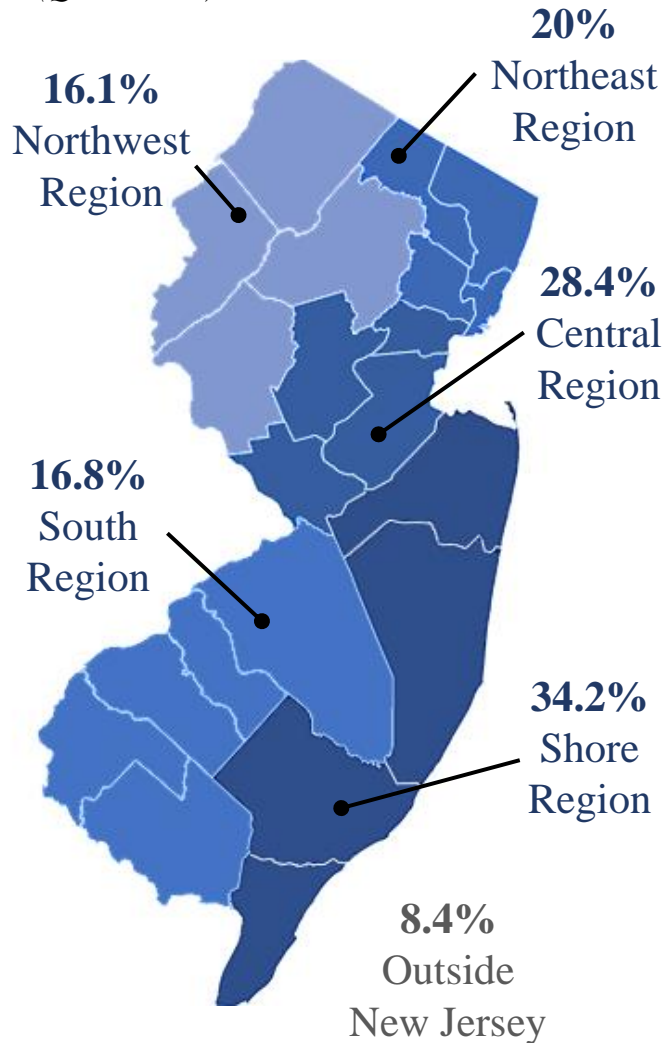


(Question 1)

LOCATION & CLIMATE CHANGE EFFECTS

LOCATION OF PARTICIPANTS

(Question 19)



TOP 6 CONCERNS REGARDING CLIMATE CHANGE EFFECTS (Question 3)



1 Precipitation/Storms



3 Water Quality



5 Ocean Acidification



2 Sea-level Rise



4 Extreme Temperature



6 Air Quality

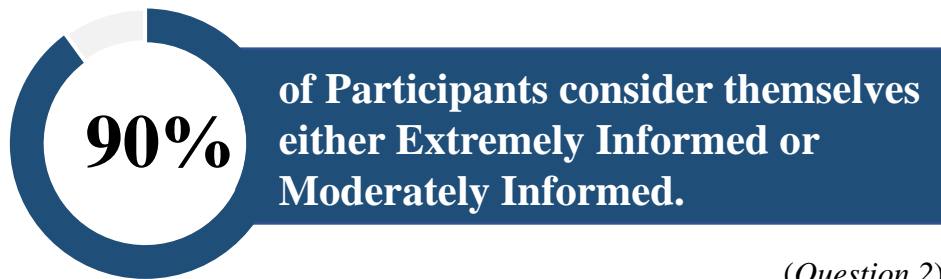
TOP 3 CONCERNS REGARDING CLIMATE CHANGE EFFECTS, BY REGION (Question 3 & 19)

	Northwest	Northeast	Central	Shore	South
1	 Precipitation/ Storms	 Precipitation/ Storms	 Precipitation/ Storms	 Sea-level Rise	 Sea-level Rise
2	 Extreme Temperatures	 Sea-level Rise	 Sea-level Rise	 Precipitation/ Storms	 Extreme Temperatures
3	 Sea-level Rise & Water Quality	 Extreme Temperatures	 Water Quality	 Extreme Temperatures	 Air Quality & Water Quality

CLIMATE CHANGE IMPACTS







TOP CONCERNS REGARDING CLIMATE CHANGE IMPACTS *(Question 4)*

- 1  Ecosystems & Wildlife
- 2  Oceans & Marine Life
- 3  Health & Well-being
- 4  Agriculture & Food Supply
- 5  Coastal Communities
- 6  Socially Populations & Equity
- 7  Infrastructure



(Question 2)

TOP 3 CONCERNS OF CLIMATE CHANGE IMPACTS, BY LEVEL OF KNOWLEDGE *(Question 2 &4)*

	Consider Themselves Extremely Informed	Consider Themselves Moderately Informed
1	 Ecosystems/Wildlife	 Ecosystems/Wildlife
2	 Coastal Communities & Socially Vulnerable Populations/Equity	 Oceans/Marine Species
3	 Health and Well-being & Oceans/Marine Species	 Health/Well-being

INFORMATION ON PARTICIPANTS



The **more informed** a participant consider themselves in climate change effects, **the more likely they view climate change/risk communication campaigns as a top priority for the state.**

(Question 2 & 5)



Participants overwhelmingly (70%) prefer to receive information about State activities **via E-mail.**

(Question 16)



Participant's second choice to receive information about State activities is through **Agency websites.**

(Question 16)

TOP 5 CLIMATE CHANGE EFFECTS PARTICIPANTS WANT TO LEARN MORE ABOUT (Question 6)



1 Precipitation/Storms



2 Sea-level Rise/Coastal Flooding



3 Water Quality



4 Extreme Temperatures



5 Air Quality

PARTICIPANTS PREFERRED ACTIONS & STRATEGIES

Climate Resilience Actions

ACTIONS PARTICIPANTS WANT TO SEE

MORE OF IN THE STATE *(Question 7)*

1. Incentivize Green Infrastructure/Nature-based Solutions
2. Preserve Natural Lands
3. Regulate At-Risk Buildings/Development
4. Support Vulnerable Populations
5. Pilot Innovative Solutions

ACTIONS PARTICIPANTS WANT TO SEE

LESS OF IN THE STATE *(Question 7)*

1. Elevate/protect Existing Development

Coastal Resilience Strategies

STRATEGIES PARTICIPANTS WANT TO SEE

MORE OF BY YEAR 2050 *(Question 12)*














1. Marsh Restoration and Migration
2. Living Shorelines
3. Buyouts or Managed Retreat
4. Infrastructure Projects
5. Beach & Dune Nourishment

STRATEGIES PARTICIPATES WANT TO SEE
















LESS OF BY YEAR 2050 *(Question 13)*

1. Oceanfront Seawalls
2. Bulkheads Along Back Bays, Rivers, or Estuaries
3. Home Elevations
4. Road Elevations
5. Beach & Dune Nourishment

PREFERRED ACTION/STRATEGY BY ORGANIZATION (Questions 18 & 7 & 12)

Organization	Climate Resilience Actions		Coastal Resilience Strategies	
		Top Action		Top Strategy by 2050
University/College <i>~18 participants</i>		Support Vulnerable Populations During/After Crisis		Marsh Restoration & Migration
Business <i>~24 participants</i>		Preserve Natural Lands		Marsh Restoration & Migration
Non-Profits <i>~39 participants</i>		Incentivize Green Infrastructure/ Nature-based Solutions		Living Shorelines
Local Government <i>~18 participants</i>		Incentivize Green Infrastructure/ Nature-based Solutions		Living Shorelines
State Agency <i>~18 participants</i>	 	Incentivize Green Infrastructure/ Nature-based Solutions & Preserve Natural Lands		Marsh Restoration & Migration
Federal Agency <i>~9 participants</i>		Incentivize Green Infrastructure/ Nature-based Solutions		Marsh Restoration & Migration

LOWEST PRIORITY ACTION/STRATEGY BY ORGANIZATION (Questions 18 & 7 & 13)

Organization	Climate Resilience Actions		Coastal Resilience Strategies	
	Lowest Priority		Lowest Priority Strategy by 2050	
University/College <i>~18 participants</i>		Elevate/Protect Existing Development		Oceanfront/Seawalls
Business <i>~24 participants</i>	 	Elevate/Protect Existing Development & Relocate structures/infrastructure		Oceanfront/Seawalls
Non-Profits <i>~39 participants</i>		Elevate/Protect Existing Development		Oceanfront/Seawalls
Local Government <i>~18 participants</i>		Elevate/Protect Existing Development	 	Oceanfront/Seawalls & Bulkheads Along Back Bays, Rivers, or Estuaries
State Agency <i>~18 participants</i>	 	Elevate/Protect Existing Development & Relocate structures/infrastructure		Oceanfront/Seawalls
Federal Agency <i>~9 participants</i>		Elevate/Protect Existing Development		Oceanfront/Seawalls

MUNICIPAL SUPPORT & FUNDING/FINANCING STRATEGIES (Questions 18 & 7 & 13)

TOP STRATEGIES FOR THE STATE TO BEST SUPPORT MUNICIPAL CLIMATE RESILIENCE ACTION (Question 8)

RANKED HIGHEST TO LOWEST PRIORITY:

- 1 Funding/Financing
- 2 Guidance Development
- 3 Direct Assistance
- 4 Planning Assistance
- 5 Training Programs
- 6 Tool Development
- 7 Update Local Authorities

TOP FUNDING/FINANCING STRATEGIES FOR THE STATE TO EXPLORE (Question 14)

RANKED HIGHEST TO LOWEST PRIORITY:

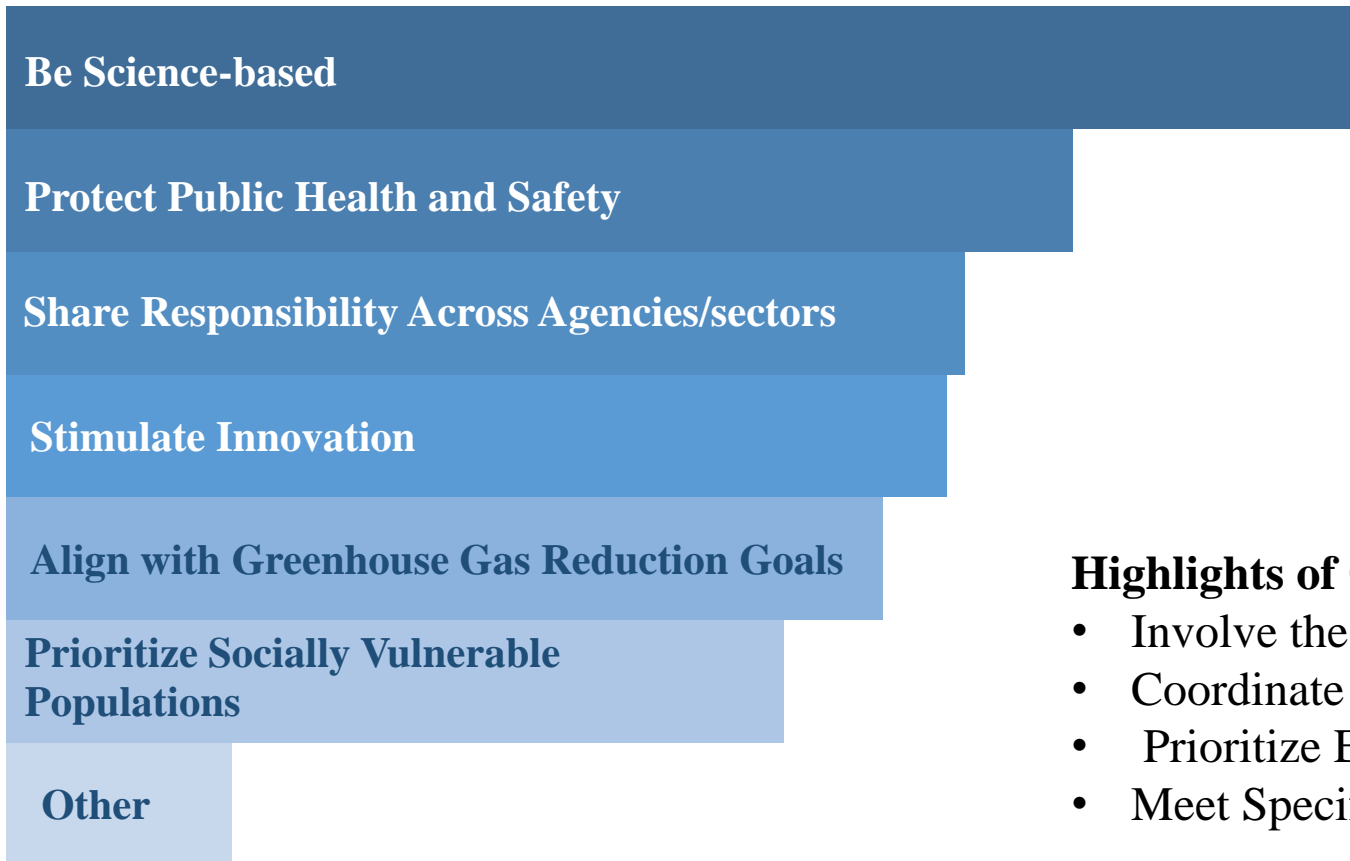
- 1 Leverage Federal Spending Programs
- 2 Encourage Private Sector Cost-sharing
- 3 Create New Targeted Tax and/or Fee Programs
- 4 Develop Innovative Bond Measures
- 5 Direct Appropriations
- 6 Update State/Local Cost-sharing
- 7 Remove Municipal Cap

VIEWS OF LOCAL PRIORITY, FUNDING, & BARRIERS (Questions 18 & 10 & 13)

Organization	Top State Strategy to support Municipal Climate Resilience	Top Funding Strategy for the State to Explore	Greatest Perceived Barrier to Enhancing Resiliency
University/College <i>~18 participants</i>	 Guidance Development	 Creating New Targeted Tax and/or Fee Programs	 Lack of Political Will
Business <i>~24 participants</i>	 Funding/Financing	 Private Sector Cost-Sharing	 Lack of Political Will
Non-Profits <i>~39 participants</i>	 Funding/Financing	 Leverage Federal Spending Programs	 Lack of Political Will
Local Government <i>~18 participants</i>	 Funding/Financing	 Creating New Targeted Tax and/or Fee Programs	 Lack of Political Will
State Agency <i>~18 participants</i>	 Funding/Financing	 Private Sector Cost-Sharing	 Lack of Political Will
Federal Agency <i>~9 participants</i>	 Guidance Development	No Consensus	 Lack of Business or Industry Support

PARTICIPANTS PREFERENCE ON RESILIENCE STRATEGIES

NEW JERSEY'S RESILIENCE STRATEGIES SHOULD: *(Question 11)*



Highlights of Other Responses Identified by Participants:

- Involve the Community in Planning *(6 related comments)*
- Coordinate Efforts Across Governments *(5 related comments)*
- Prioritize Ecological Concerns/Solutions *(4 related comments)*
- Meet Specific Targets *(3 related comments)*

WHAT ONE ACTION DO YOU THINK THE STATE NEEDS TO TAKE IN THE NEXT 5 YEARS TO INCREASE THE OVERALL RESILIENCE OF NEW JERSEY TO CLIMATE CHANGE? *(Question 9)*

Highlights of Trends Among Free Responses

“Limit/de-incentivize building in flood zones.”

29 Related Comments

“Improve collaborative, cross-jurisdictional resilience planning.”

24 Related Comments

“Funding for resilience planning and implementation at the local level.”

21 Related Comments

“Create policies and regulations that move future generations to safer locations.”

15 Related Comments

“Address fossil fuel emissions.”

14 Related Comments

DO YOU HAVE ANY ADDITIONAL COMMENTS RELATED TO THE STATE'S EFFORTS TO ENHANCE RESILIENCE IN RESPONSE TO CLIMATE CHANGE? *(Question 15)*

Highlights of Trends Among Free Responses

“The conversations need to be on-going with regular updates to stakeholders.”

12 Related Comments

“Cross-agency alignment of priorities is imperative, as is resurrecting and strengthening the state plan.”

10 Related Comments

“There needs to be a (standardized) way of measuring how resilient the state (and individual counties) is, so that we can set goals and track progress over time.”

7 Related Comments

“Having a plan is great, but adequate appropriations and real political will is needed...”

5 Related Comments