

The ITRC Green and Sustainable Remediation with Resiliency to Extreme Weather Event and Wildfires Team (GSR/R) has just begun updating the 2011 GSR guidance to support sustainable, resilient remediation and redevelopment of contaminated sites.

States' needs are foremost and your response to this survey will guide how we develop resources for you.

For further background please review the Team Page and the associated fact sheet, both found [HERE](#).

GSR is the site-specific employment of products, processes, technologies, and procedures that mitigate contaminant risk to receptors while making decisions that are cognizant of balancing community goals, economic impacts, and environmental effects.

Extreme weather events (such as heat waves, droughts, tornadoes, and hurricanes) are defined as lying in the outermost (“most unusual”) 10 percent of a place’s history. Analyses are available at the national and regional levels.

Resilience is the capacity of a community, business, or natural environment to prevent, withstand, respond to, and recover from a disruption.

SURVEY PERIOD: October 8, 2019 through November 6, 2019

If you have any questions, please contact the Team's Program Advisor, Barbara Maco (barbara.maco@sustainable Remediation.org)

1. Please provide your contact information:

Name:

State and Department:

Job Title:

Email Address:

Phone Number:

2. Does your state have any existing GSR regulation, policy, or guidance? (See GSR definition above)

- Yes
- No
- Unsure / Do Not Know

If YES, please provide the reference/link:

3. Check all of the following extreme weather/climate or wildfire events that have or might impact your state. Please note any related impact such as increased/decreased stormwater runoff in the comment box.

- Sustained changes in average temperature
- Increased extreme temperatures
- Decreased precipitation days, increasing drought intensity
- Increased heavy precipitation events
- Increased intensity of hurricanes
- Other (please specify)
- Increased flood risk
- Decreased permafrost
- Sea level rise
- Increased frequency and/or intensity of wildfires

4. At which stages is your state planning for resiliency to address extreme weather events and wildfires? If you have NONE, please put NA in the category box. If YES, please provide a reference and/or web link.

Assessment / Identification:

State-Managed Climate Change Information Clearinghouse or Data Resource:

State Agency or Department Lead:

Comprehensive Plan:

Executive Order:

Regulation / Statue:

Other (please specify):

5. Does your state have any policy, strategy, regulatory framework, requirements, or guidance for addressing the impacts of extreme weather events and wildfires at remediation sites, both active and closed?

- Yes
- No
- Unsure / Do Not Know

If YES, please provide a reference/link. If NO, is your state planning on this in the future?

6. Does your state have an emergency response plan for extreme weather events and wildfire impacts at contaminated sites?

- Yes
- No
- Unsure / Do Not Know

7. Has your state seen GSR applied in any of the following site cleanup programs? Provide key information in comment section.

- State lead
- CERCLA NPL
- RCRA
- Time critical removal
- Brownfields

Please note key elements of implementation here.

8. What are the GSR implementation barriers for your state? Please note what they are in the comment box below.

- Regulatory barriers
- Technical barriers
- Lack of information
- Cost

List the barriers

9. Rate the following items that might lead to a more sustainable resilient remediation and redevelopment in your state.

	Rating
State or Federal legislation/regulatory mandate	<input type="text"/>
State or Federal grant incentives	<input type="text"/>
Local permits, regulations, or ordinances	<input type="text"/>
Private certification (e.g. LEED, Envision)	<input type="text"/>
Land use/institutional controls	<input type="text"/>

10. Metrics provide a basis for evaluating actions being considered throughout the site cleanup and redevelopment process and can apply to more than one component of GSR... environmental, economic and or social. Please indicate if these metrics have been used at cleanup projects in your state or their potential value for future cleanups.

	Rating
Environmental metrics (greenhouse gas emissions created or energy consumed)	<input type="text"/>
Economic metrics (such as job creation/preservation)	<input type="text"/>
Social metrics (parkland or open space created)	<input type="text"/>

11. Does your state recommend/encourage GSR best management practices (BMPs) at contaminated site cleanup and redevelopment.

- Yes
- No
- Unsure / Do Not Know

12. What types of BMP resources would your state like to see in the ITRC GSR/R guidance?

- Remedial technology/approach evaluation (such as a feasibility study)
- Remedial technology/approach optimization
- Remedial technology/approach implementation
- Risk management
- Long-term monitoring
- stakeholder engagement
- Other (please specify):

13. Would a sustainable remediation guidance/framework that also addresses extreme weather events and wildfire impacts at contaminated sites be useful for your state?

- Yes
- No
- Unsure / Do Not Know

14. Rate each case study topic based on its usefulness to support sustainable resilient remediation and redevelopment implementation in your state.

	Rating
technology/approach evaluation (such as a feasibility study)	<input type="text"/>
technology/approach optimization	<input type="text"/>
technology/approach implementation	<input type="text"/>
Return on investment, including cost of externalities (e.g. social cost of carbon, ecosystem services)	<input type="text"/>
Regulator collaboration and/or support	<input type="text"/>
Community engagement with the impacted public	<input type="text"/>
Stakeholder engagement to define sustainability metrics and tools	<input type="text"/>
Risk management	<input type="text"/>
Water conservation and reuse	<input type="text"/>
Materials use/management	<input type="text"/>
Circular economy	<input type="text"/>

Other (please specify):

15. Does your state have any case studies/site examples that could be included in the ITRC GSR/Resiliency guidance?

- Yes
- No
- Unsure / Do Not Know

16. Do you have any additional feedback that you would like to provide to help the ITRC GSR/R Team develop its guidance and other resources?