

# Climate Adaptation in Contaminated Site Remediation

FRTR Fall Meeting

November 8, 2021

Carlos Pachon

Office of Superfund Remediation and Technology Innovation



# Two Key Climate Concepts

◆ Climate change mitigation: How can we contribute to minimize GHG emissions generated by site cleanups? *Efforts are folded into green remediation.*



◆ Climate change adaptation: How do we integrate what we know about changes in our climate into program operations? *Efforts are known as climate resilience.*

# Key Concepts Driving Superfund Climate Resilience

## Basic Question for the Agency

*“How is climate change likely to affect the ability of your office to achieve its mission and strategic goals?”*

## Basic Question for the RPM

*“How is climate change likely to affect the protectiveness of your remedy, and what should you do about it?”*

# Climate Change Adaptation Management Strategy



*From EPA 2019 "Climate Resilience Technical Fact Sheet" series*

# Agenda Items for the Meeting

- ◆ Review the state of federal agency directives and guidance on building climate resilience in context of site cleanups.
- ◆ Share information on federal agency approaches and tools to evaluate climate resilience and screen climate vulnerabilities of site cleanup projects.
- ◆ Review brief case studies demonstrating the steps being taken by federal agencies to assure remedy protectiveness in light of climate change impacts.