

Updates on DOE's Consent-Based Siting Activities

EM Site Specific Advisory Board Chairs Meeting

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Office of Consent-Based Siting

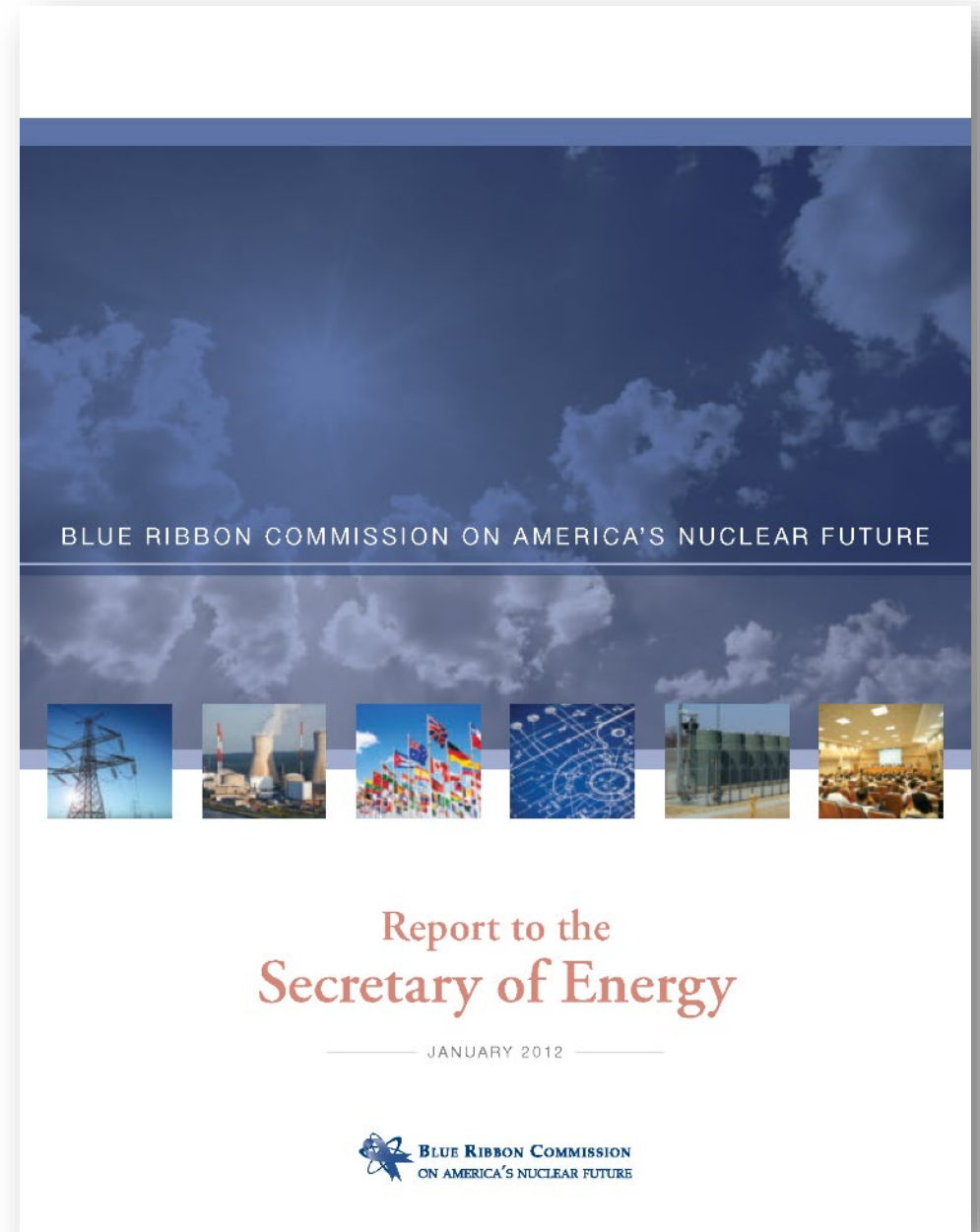
Office of Spent Fuel and High-Level Waste Disposition

May 1st, 2024



CONTEXT FOR CONSENT-BASED SITING

- Recommended by the Blue-Ribbon Commission on America's Nuclear Future (2012)
- Past U.S. experience – successful and unsuccessful – in nuclear waste facility siting
- International experience and best practices for voluntary siting processes with broad public participation components

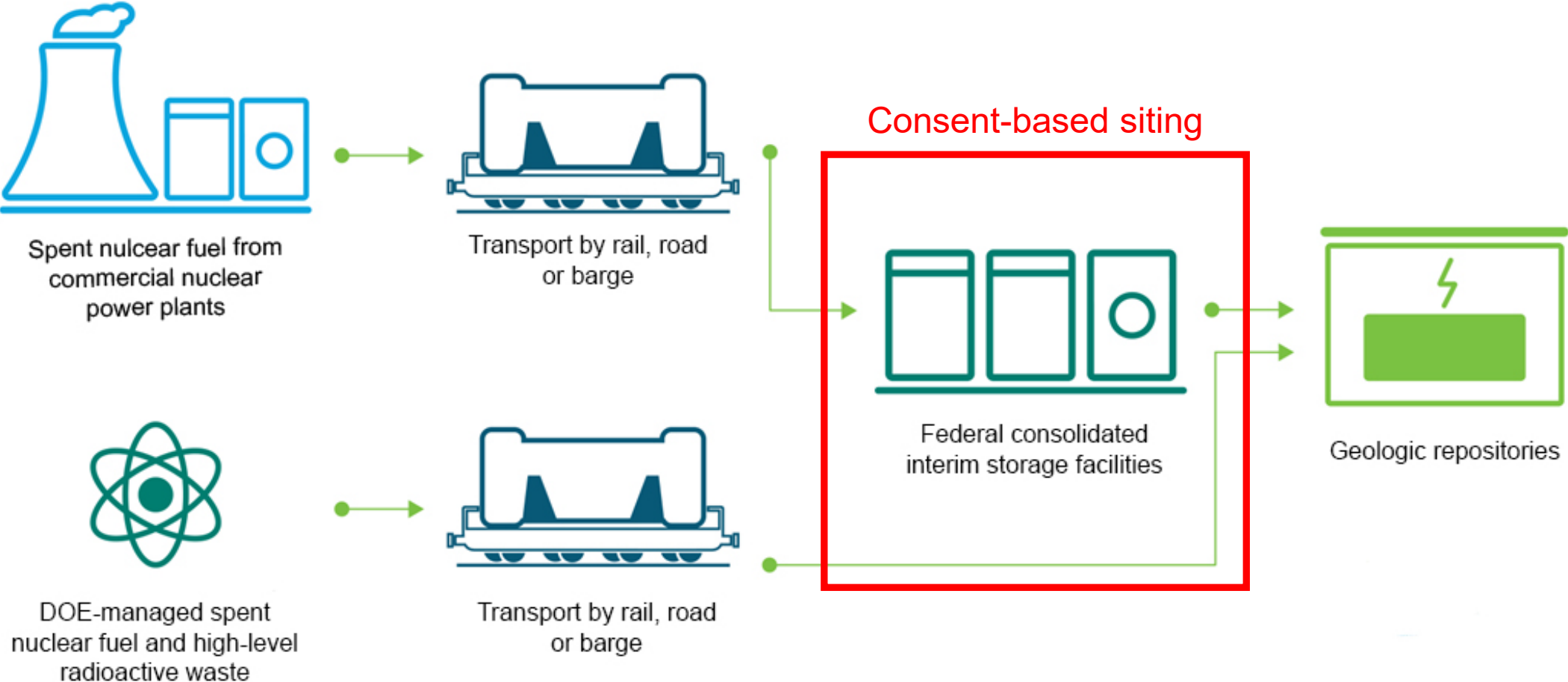


CONGRESSIONAL DIRECTION

Through the Consolidated Appropriations Acts of 2021, 2022, and 2023, DOE was directed by Congress to move forward under existing authority to identifying a site for federal consolidated interim storage for spent nuclear fuel using a consent-based siting process.



INTEGRATED WASTE MANAGEMENT SYSTEM

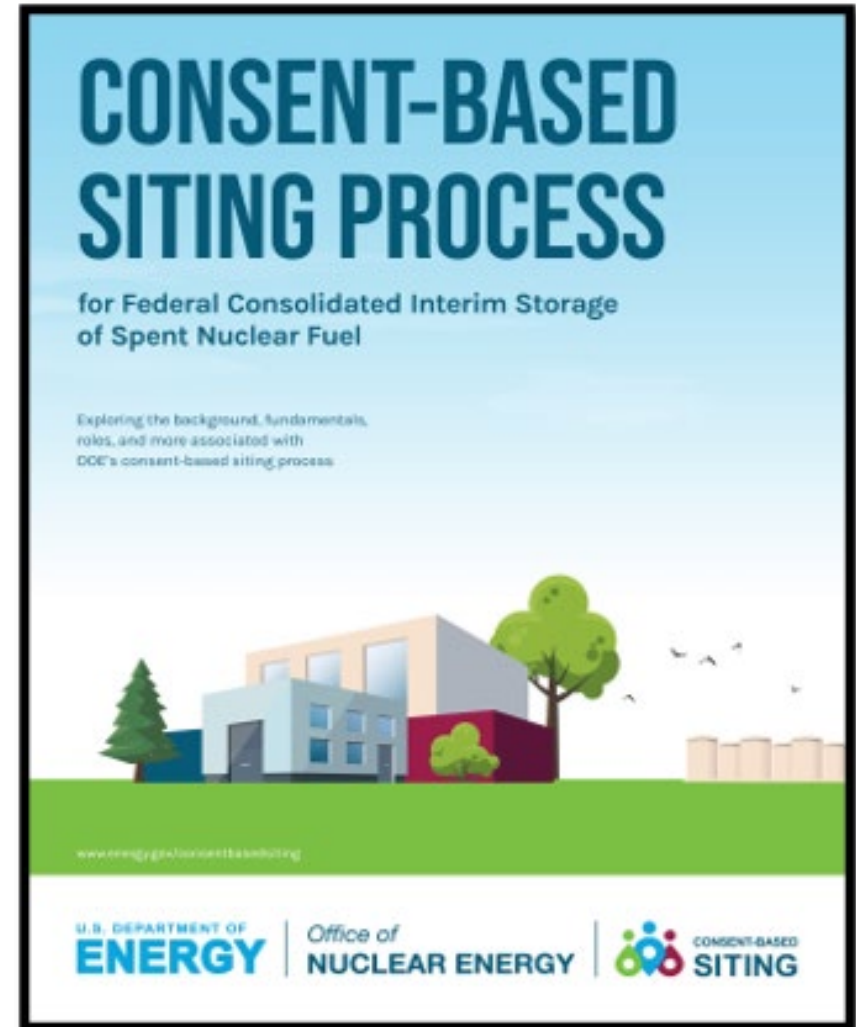


UPDATED CONSENT-BASED SITING PROCESS

Released April 2023

DOE's Consent-Based Siting Process builds on:

- Recommendations from 2012 Blue Ribbon Commission final report
- Public input from early consent-based siting efforts
- Public comments on the 2017 draft consent-based siting process
- Public input from DOE's 2021 public Request for Information



CONSENT-BASED SITING PROCESS STAGES



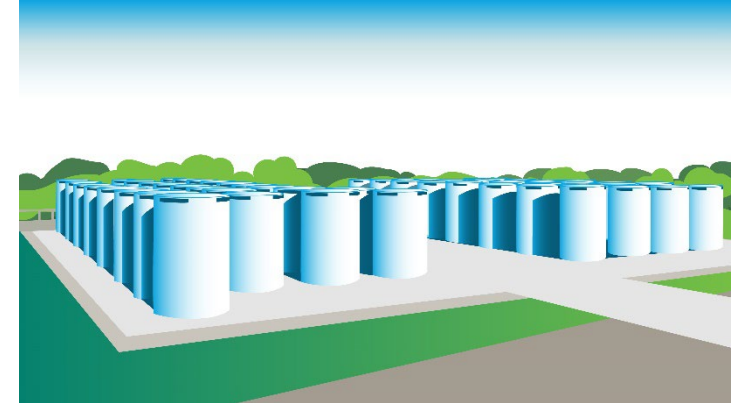
Stage 1: Planning and Capacity Building

Build relationships and encourage mutual learning and common understanding of nuclear waste management-related topics (*issue FOA for capacity building*).



Stage 2: Site Screening and Assessment

Share assessment criteria (*issue FOA*); issue a national call for volunteers; preliminary and detailed site assessments in collaboration with volunteer hosts (*issue multiple FOAs*).



Stage 3: Negotiation and Implementation

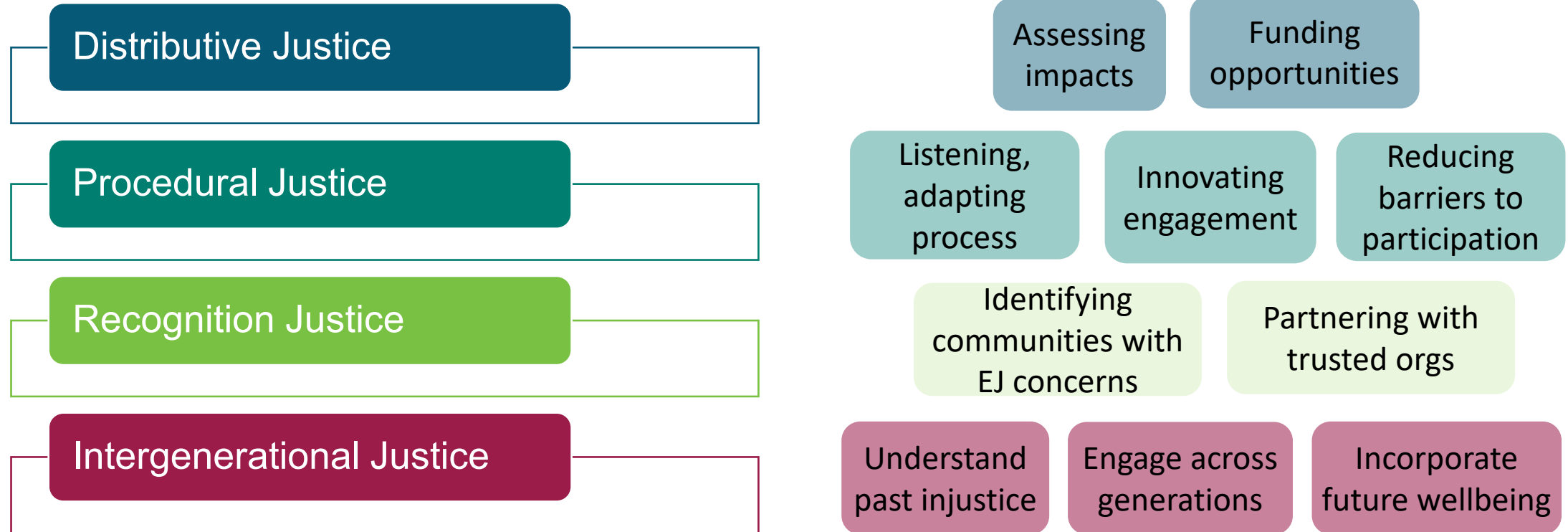
Negotiate agreements with willing and informed host communities with licensing, construction, and operation activities to follow (*issue FOA to support negotiation capacity*).

Anticipated remaining duration
2-3 years

Anticipated duration
4-7 years

Anticipated duration to initial
operation readiness
4-5 years

INSTITUTIONALIZING ENVIRONMENTAL JUSTICE



Environmental justice includes the fair treatment and meaningful involvement of all people, regardless of race, color, national origin, or income, Tribal Affiliation, or disability with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies.

INTEGRATION OF SOCIAL SCIENCE



Broad public perception: National surveys and social media research



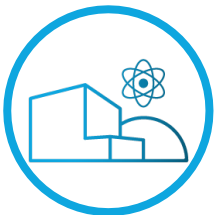
Citizen science: Partnering with minority serving institutions to develop citizen science



Multi-stakeholder interviews: Broader public perspectives from community-level stakeholder groups



Design Input: Develop and evaluate engagement mechanisms to provide input on design of facilities (partnering with MSIs)



Current host communities: Pilot study to compile knowledge of current hosts of spent nuclear fuel and DOE host communities

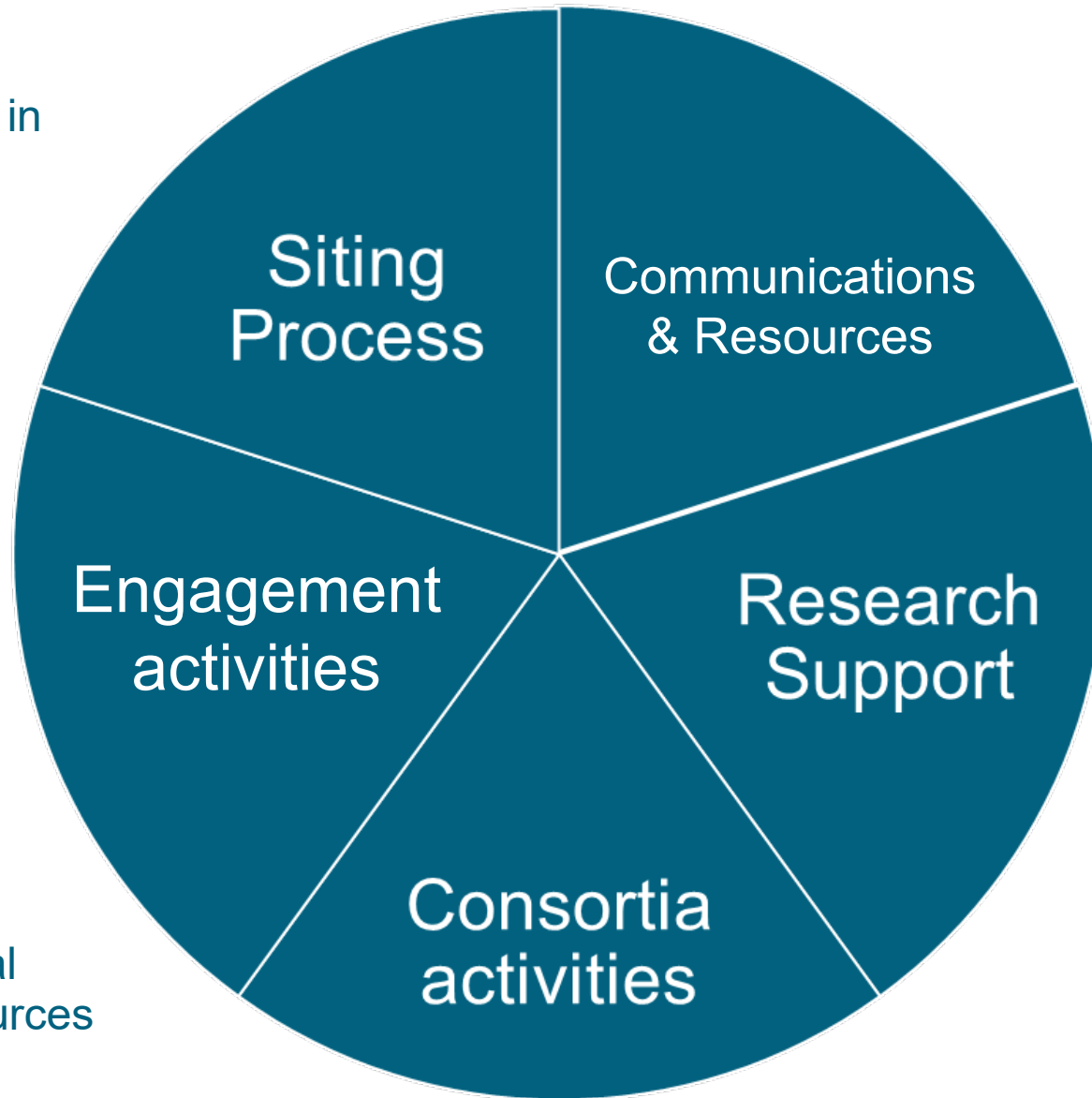


Geospatial environmental justice analysis: Creating data layers to identify communities with environmental justice concerns



CONSENT-BASED SITING ACTIVITIES

- Adapt and evolve process in response to feedback and findings
- Preliminary engagement with Tribes, States, and stakeholders through existing networks
- Innovate engagement and dialogue, engage in mutual learning and provide resources



- CURIE Resources
- Story Map development
- Knowledge management
- Engagement strategy
- International and domestic siting exemplars
- Environmental justice research
- Understanding perspectives
- Metrics and analytics

CONSENT- BASED SITING CONSORTIA

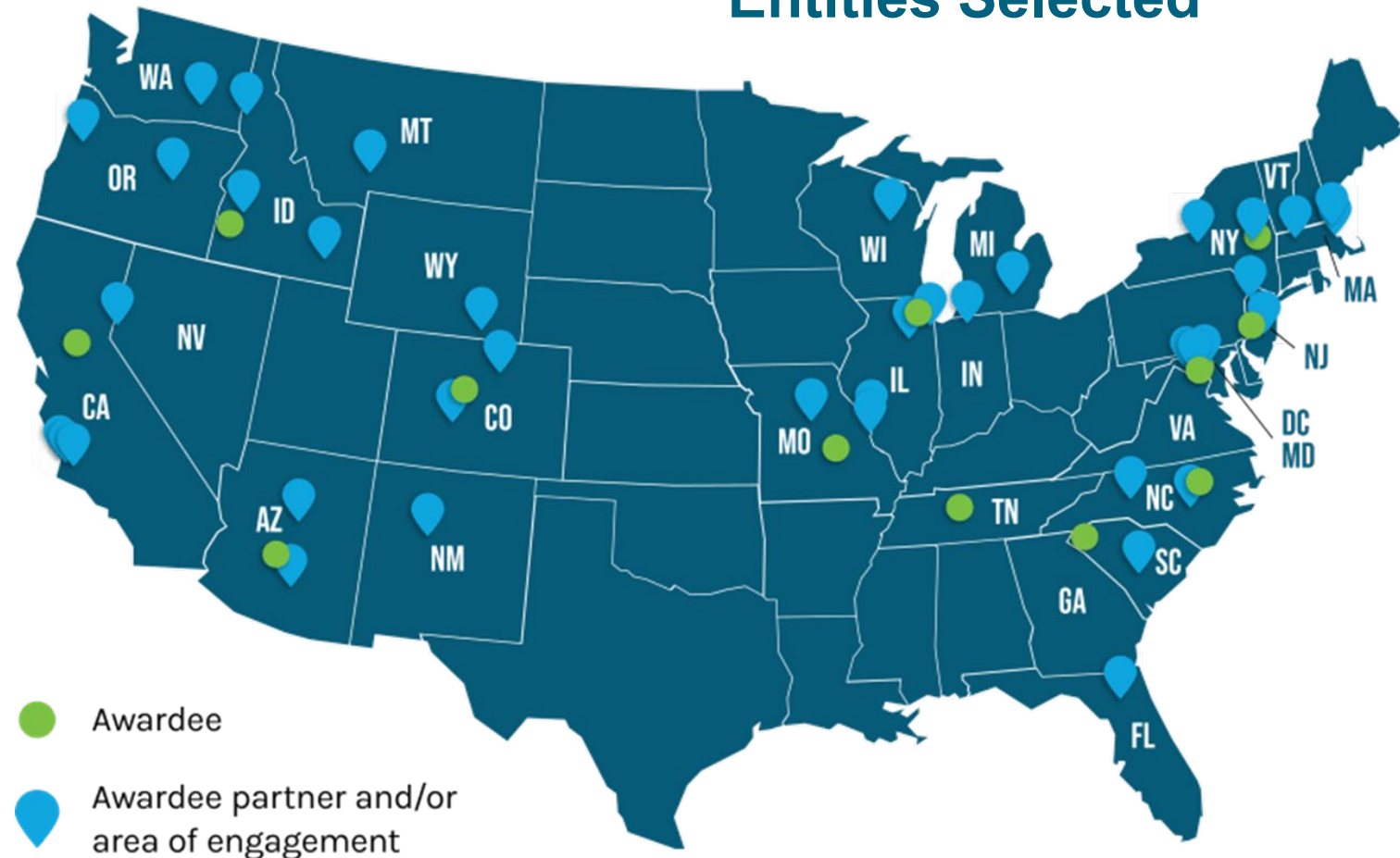
June 9, 2023, Secretary Granholm announced the \$26 million funding opportunity awardees at San Onofre Nuclear Generation Station, San Clemente, CA



CONSENT-BASED SITING CONSORTIA

- DOE selected 12 awardees across the country to serve as **information, engagement, and resource hubs**, referred to as consent-based siting **consortia**
- The consortia will foster community discussion and capture feedback on interim storage of spent nuclear fuel
- Geographic, institutional, scalar, diversity

Entities Selected



Locations identified on this map represent awardees, partners, or areas of engagement. **DOE is not yet seeking volunteer host communities.** This map is subject to change.

THE MAIN TASKS:

- Build capacity to engage in decision-making
- Reduce barriers for participation
- Serve as information, engagement and resource hubs
- Engage in mutual learning
- Strengthen community engagement
- Build trust and relationships
- Understand and define consent



CONSORTIA PROJECT DETAILS

For up-to-date descriptions of consortia projects and contact details, go to

energy.gov/ne/consent-based-siting-consortia

Consent-Based Siting Consortia Awardees

American Nuclear Society

—

Downers Grove, Illinois

Project Title: Asset-Based Collaboration for Effective Engagement in Consent-Based Siting

The American Nuclear Society will work with South Carolina Universities Research and Education Foundation and four minority-serving institutions to explore attitudes and values toward transportation and interim storage of spent nuclear fuel and high-level waste. Expected results are relationship building and a collaboration hub for constructive decision-making on nuclear waste strategies.

Contact: [Andrew Smith](#)

LEARN MORE

Arizona State University

+


Boise State University

+

Clemson University

+

CONSORTIA ACTIVITIES



The video player shows a promotional graphic for a listening session. The graphic features a blue sky with a white sun, green rolling hills, and a group of five diverse people (two men and three women) standing in a circle on a green field. The text on the graphic reads: "SHARING PERSPECTIVES: A CONSENT-BASED SITING LISTENING SESSION", "Feb 15, 2024 1:30 PM ET", and "For more information, visit us at energy.gov/consentbasedsiting". At the bottom of the graphic are logos for the U.S. Department of Energy, Office of Nuclear Energy, and Consent-Based Siting.

Consent-Based Siting Consortia Listening Session

U.S. Department of Energy
65.5K subscribers

14

Share

Save

- Participation in quarterly meetings hosted by DOE
- Public meetings, listening sessions, informational webinars, and other events
- Development of collaboration hubs
- Creating testbeds for public engagement innovations
- Launching sub-grant funding opportunities and technical assistance
- Hosting regional workshops
- Collecting feedback, developing best practices

CONSORTIA PROGRESS UPDATES

30



Consortia
Public/Media
Engagements Held

21



New Team Members
Brought into the
Consortia Effort

3



Community
Sub-Grant
Programs Issued

20



Information
Resource Projects

9



Government Engagements Held
(Tribal, State, Local, Federal)

EXAMPLES OF CONSORTIA ACTIVITIES

COMMUNITY LISTENING SESSION

HOW DO WE SOLVE NUCLEAR WASTE?

WE WANT YOUR FEEDBACK

Be part of an informed dialogue about the future of spent nuclear fuel in the United States.

SATURDAY, JANUARY 27, 2024
9:00 am - 3:00 pm

NC State University McKimmon Center
1101 Gorman Drive, Raleigh NC

Lunch & refreshments provided | Free parking
***research and will be recorded**

mothers for nuclear | NC STATE UNIVERSITY Department of Nuclear Engineering | TRIUMPH CONSENT-BASED COLLABORATION

REGISTER NOW |  | INFORMATION/CONTACTS @ go.ncsu.edu/consentbased



NuWaDi Funding Opportunity Announcement



Seed Grants

Seed Grant opportunity (en Español)

Deadline: March 12, 2024



We are pleased to announce a call for seed grant applications to support research and/or public discussions on consent for temporary storage of nuclear waste.

JOIN US

HOW SHOULD BISBEE DECIDE ITS FUTURE?

Sat, February 17th
10:00 am to 1:45 pm

Arizona faces many challenges. Help us create tools to empower communities to create the future they want. No experience necessary!

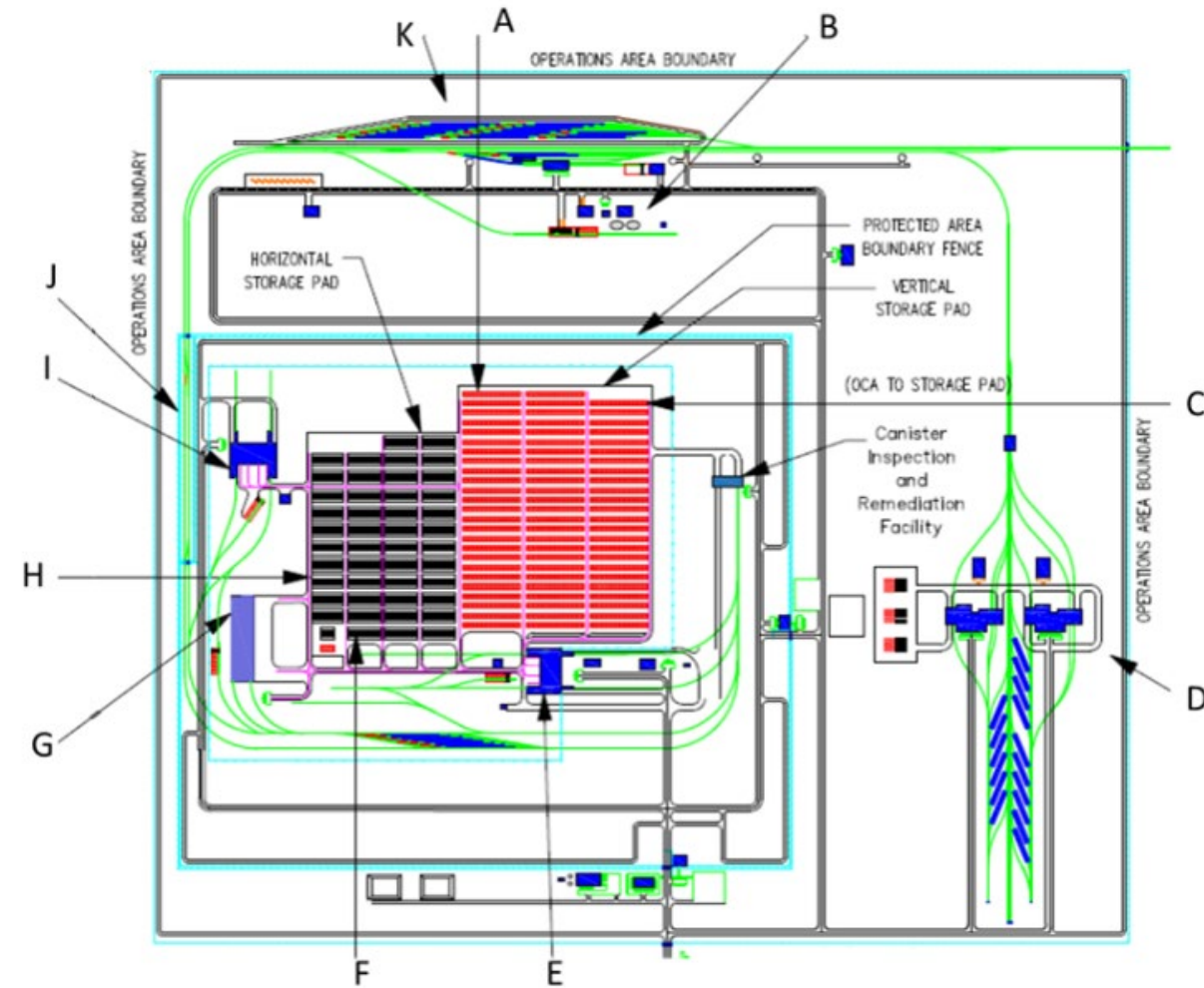
NEXT STAGES

- Building capacity: ongoing
- Moving to Stage 2
 - Issue call for volunteers
 - Preliminary and detailed site(s) assessments
- Stage 3
 - Negotiations & Implementation



DOE CISF PROJECT PROGRESS

- In parallel with consent-based siting, DOE is working through project approval process for a federal consolidated interim storage facility (CISF)
- Utilized a decade of prior work developing functions and requirements, conceptual designs, costs, schedules, and systems analysis
- Established a team and completed Mission Validation Independent Review
- Completed Independent Cost Estimate Review by the DOE Project Management Office
- Received unanimous approval from DOE's Project Management Risk Committee



THANK YOU

For more information,
visit us at energy.gov/consentbasedsiting

