



Welcome



Welcome Jeannette Mills

TVA EVP & Chief External Relations Officer



RRSC Live and Virtual Meeting

- We welcome members of the public attending in person and virtually. Those attending virtually are in view and listen only mode. There will be a Public Listening Session at this meeting. Written comments are always welcomed (tva.com/rrsc).
- Any RRSC Members who are attending virtually are able to mute and unmute their own line. Council Members who are attending virtually may use the raise hand function to be recognized for questions or comments.
- RERC Members attending in person, please turn on your light when you want to comment or ask a question and I will call on you. I will identify the person I call on so that those attending virtually will be able to identify the speaker. Please speak loudly so that those in the room and those attending virtually can hear your comments.



Safety First!

In case of fire or other building
 emergency, exit the doors you entered to
 the room. Exit the building via the front
 doors. Turn right and gather outside.

• In case of severe weather, you will be guided to an interior room.





Introductions

Name

Position, Organization, Location

Looking Forward to this Fall



RRSC Term 12 Members

Introductions:

Name
Position, Organization, Location
Looking Forward to this Fall

Ryan Brown

Commonwealth of Virginia

RaeLynn Butler

Muscogee (Creek) Nation

Keith Carnahan

Meriwether Lewis Electric Cooperative

Alan Gates

Pennyrile Electric

Richard Holland

Packaging Corp of America

Cline Jones

Tennessee River Valley Association

Kim Klinker

Klinker Management

Ron Lambert

Nature Conservancy

Whitney Lipscomb

State of Mississippi

Tom Littlepage*

ADECA Office of Water Resources

John McConnell

McConnell Insurance Commonwealth of Kentucky

Will Nelson

Nelson Tractor Co. State of Georgia

Ron Robertson

TN Farmer

* Council Chair

David Salyers

State of Tennessee

Sen. Clay Schofield

Alabama Senate, District 9

Danette Scudder

TN Valley Public Power Association

Bob Sneed

Retired, Army Corps of Engineers

Catherine Via

TN Farm Bureau Federation

Stacey White

Arab Electric Cooperative, AL

Randy Wiggins

Cherokee County, NC



Agenda

RRSC Meeting – Day 1 August 21, 2023 Guntersville, AL

All times are CT

	7
12:00 pm	Welcome Designated Federal Officer Melanie Farrell; RRSC Chair Tom Littlepage Jeannette Mills, TVA Executive VP and Chief External Relations
12:10	Introductions of Council Members – Jo Anne Lavender, Facilitator
	Agenda Review
12:30	DFO Briefing – Melanie Farrell, VP, External Strategy & Reg Oversight
12:45	Break
1:00	TVA's Sustainability Program, Review Pre-Read Rebecca Tolene, VP, Environment and Chief Sustainability Officer
1:20	Sustainability Priorities Assessment Workshop
	EPRI and Tiffany Foster, Sr Program Manager, Env & Energy Policy (Break will occur in the middle)
4:15	Break
4:30	Public Listening Session
5:30	Day 1 Closing Remarks Adjourn

RRSC Meeting – Day 2 August 22, 2023 Guntersville, AL

Agenda

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12:30 pm	Welcome –Designated Federal Officer Melanie Farrell RRSC Chair Tom Littlepage			
12:35	Day 1 Recap Facilitator, Jo Anne Lavender			
	Day 2 Agenda Review			
12:40	Finalize Advice Statement			
2:00	Break			
2:15	Natural Resources Update – Anthony Summit, Sr. Mgr, Nat Res & Rec Mgt River Management Update – James Everett, GM, River Management			
2:45- 4:45	Cultural Compliance Presentations			
2:45	Cultural Resources and TVA, Melanie Farrell, VP, External Strategy			
2:55	Respecting Tribal Sovereignty and The Importance of Government-to-Government Relationships RaeLynn Butler, Manager, Tribal and Cultural Preservation Department, The Muscogee (Creek) Nation			
3:10	TVA's Tribal Relations Program, Erin Dunsmore, Sr Specialist, Archaeology			
3:25	Break			

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RRSC Meeting – Day 2 Page 2 August 22, 2023 Guntersville, AL

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	Cultural Compliance Presentations (cont.)
3:40	NHPA Preservation Program, Erin Dunsmore, Sr Specialist, Archaeology
3:55	Archaeological Site Monitoring and Protection Erin Dunsmore, Sr Specialist, Archaeology
4:05	ARPA Enforcement, Mike Angst, Archaeologist
4:15	NAGPRA, Meg Cook, Sr Specialist, Archaeology
4:25	Wrap Up, RaeLynn Butler, Manager, Tribal and Cultural Preservation Department, The Muscogee (Creek) Nation
4:40	Wrap Up & Questions, Melanie Ferrall, VP, External Strategy & Reg Oversight
4:55 pm	Next Meetings Adjourn



FAC Meeting Requirements



Federal Advisory Committee Act Meeting Requirements

Agenda

- Prepared and approved by the DFO, or alternate DFO, in consultation with Council Chair
- Distributed to Council and an outline is published in the Federal Register prior to each meeting
- Topics may be submitted for consideration to the DFO by any member of the Council, or non-members, including members of the public

Meeting Minutes

 DFO will ensure that minutes are prepared for each meeting, approved by the Chair, and made available to Council members and the public

Voting

- Any member of the Council may make a motion for a vote
- Quorum is a majority of the seated members of the Council as defined in the bylaws
- Advice requires an affirmative vote of majority of Council members present
- Advice may include minority or dissenting views

Membership

- Balanced Membership
- Professional or personal qualifications to achieve the mission of the Committee
- Broad range of diverse views and interests



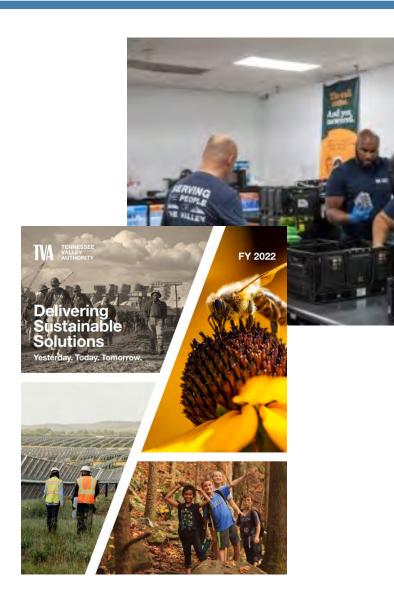
TVA Update

Melanie Farrell, Designated Federal Officer



Significant TVA Updates

- TVA 90th Anniversary
- TVA FY22 Sustainability Report
- TVA 2024 Integrated Resource Plan

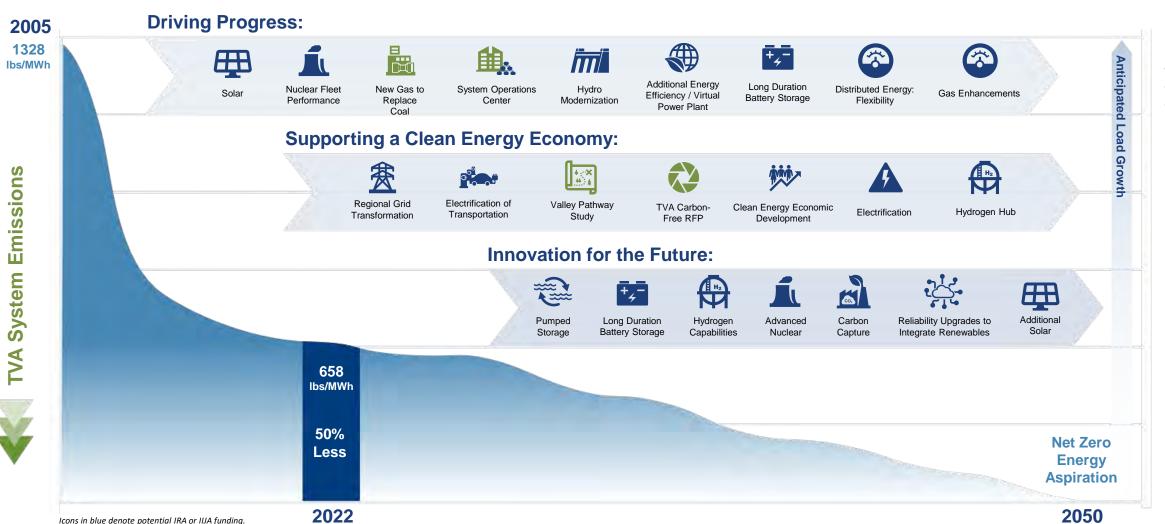




Building the Energy System of the Future



AFFORDABLE / RELIABLE / RESILIENT / CLEAN



National Leader in Carbon Reduction



Affordable,

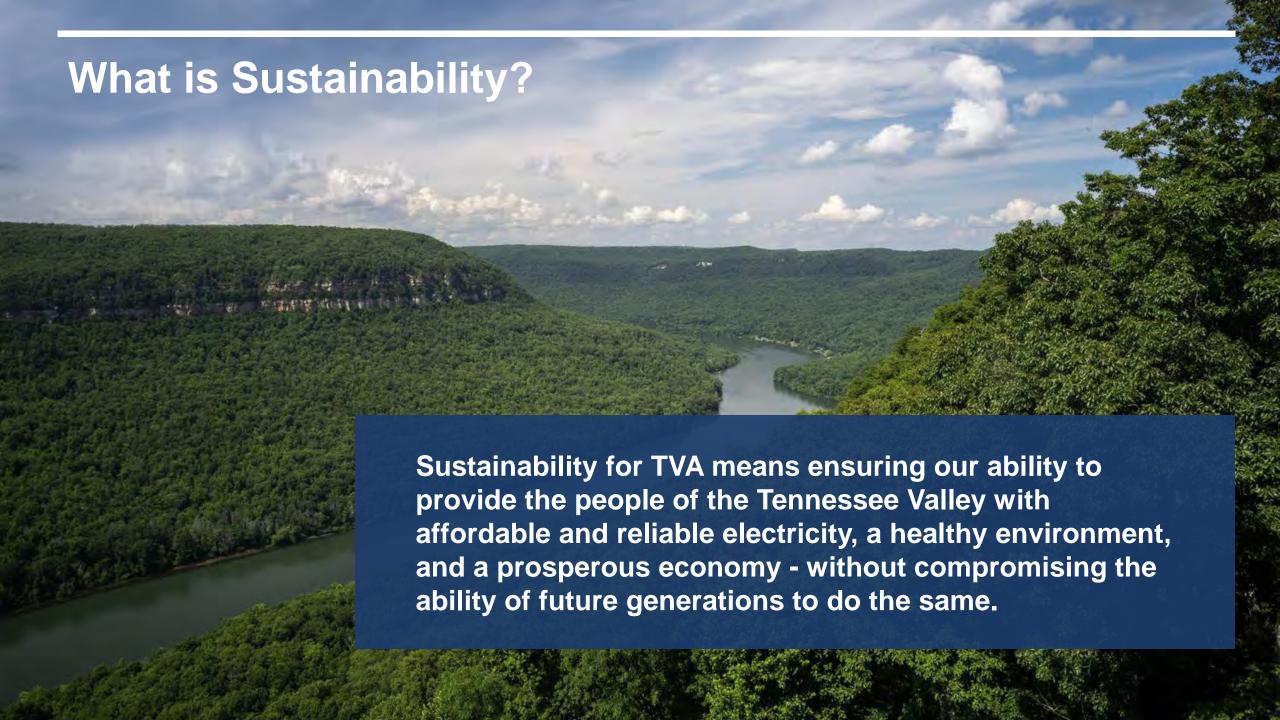
BREAK



Sustainability Update

Rebecca Tolene
VP Environment and CSO

August 21, 2023



What is TVA doing in Sustainability?

Sustainability informs programs and initiatives across TVA.



In our increasingly developed world, biodiversity conservation is critical for sustainable economic growth. TVA has adopted a Biodiversity Policy that builds on the TVA record of environmental stewardship.



The sustainable energy system of the future will support a diverse portfolio of clean energy sources, advanced technologies and broad electrification in the transportation sector and elsewhere.



TVA is creating more structure around our environmental justice work to address disproportionate health, environmental, economic and climate impacts on disadvantaged communities.



TVA was built to serve the people of the Tennessee Valley. Community service is fundamental to TVA's mission, and community vitality is fundamental to a sustainable future.



As we reduce carbon emissions, TVA remains committed to providing energy that is affordable, reliable, and resilient to the impacts of climate change and other threats-- it's what our customers deserve and expect.



At TVA, we are powered by people— and diversity of thought and background will be essential for continuing to live out our mission of service. TVA is focused on ensuring every employee can bring their true self to work.



Whether it's powering EV transformation in the Valley or partnering in cutting-edge research into hydrogen and small modular nuclear reactors, TVA is innovating to build the sustainable energy system of the future.



TVA is foremost a public power company, and we serve the public's interest. Transparency and continuous engagement is necessary to help us understand our stakeholders' priorities and address their concerns.

Sustainability by the numbers

315,231 total tons

of carbon avoided through TVA EnergyRight® programs

99% reduction

in SO₂ emissions from 1977

\$10.2 billion+

projected capital investments attracted to the region

\$3 million

in grant funding for 13 pilot projects between 2022 and 2024 through TVA's Connected Communities initiative

3.35 GWh of energy

saved through energy efficiency improvements in TVA buildings; Top-ranked federal agency in the country for energy use intensity reduction against a 2003 baseline

97% reduction

in NO_x emissions from 1995

26K+

projected job creation

\$9 million+

donated in community contributions and disaster relief

449

total environmental outreach and stewardship projects sponsored

\$3 million

in estimated flood damage averted in the Tennessee Valley in 2022

40K+

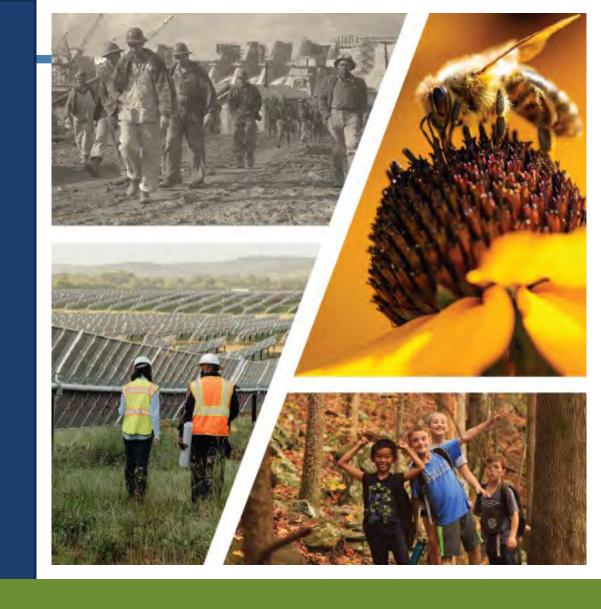
projected job retention

Top 15

Best Employers in Tennessee by Forbes magazine in 2022 for the fourth consecutive year

FY 22 Sustainability Report

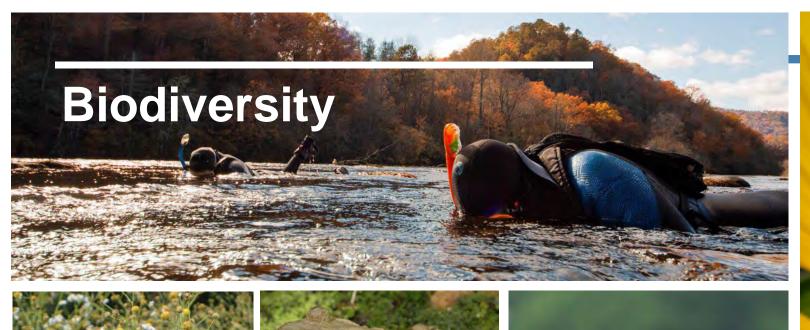
- Delivering Sustainable Solutions...
 Yesterday. Today. Tomorrow.
- Report content reflects TVA's unique sustainability story
- Aligned with Global Reporting Initiative, Sustainability Accounting Standards Board and UN Sustainable Development goals





View the full Sustainability Report online at: tva.com/sustainability





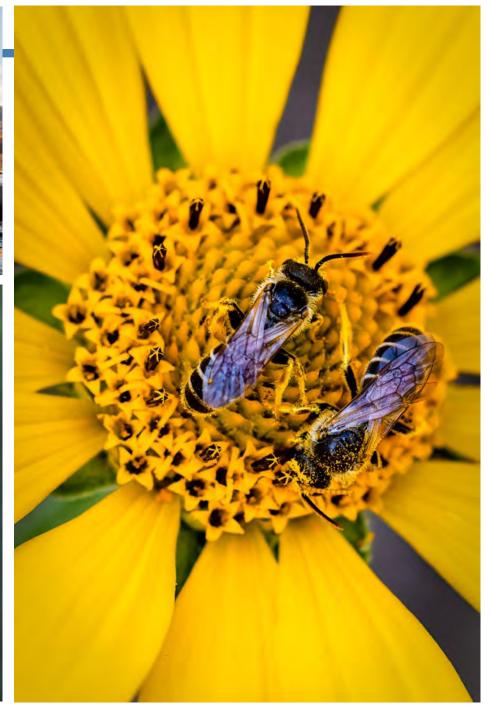












Pollinators







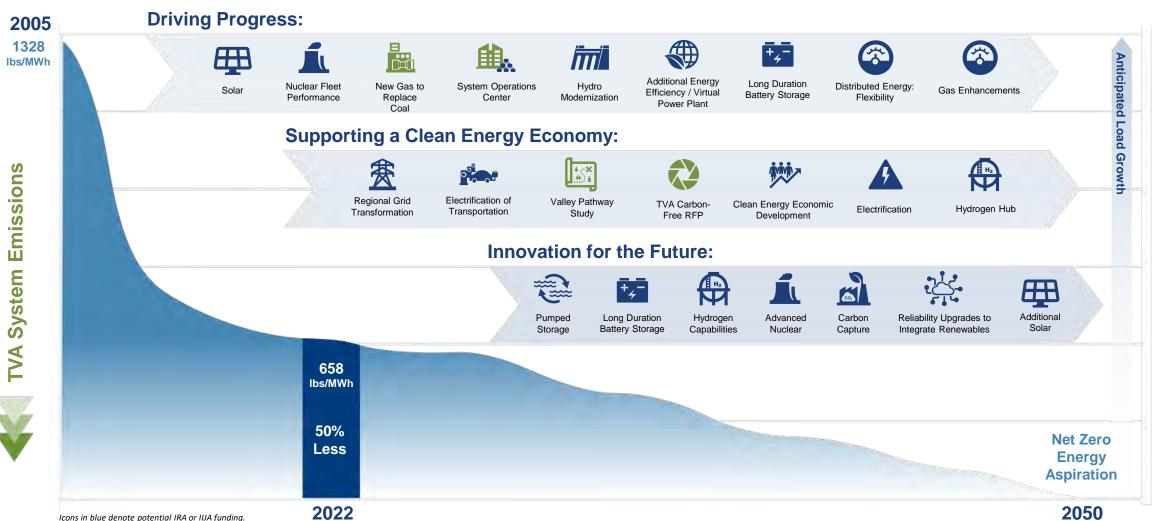






Building the Energy System of the Future

AFFORDABLE / RELIABLE / RESILIENT / CLEAN







Resilient, Clean

What is a Pathways Study?

A Pathways Study uses scenario-based analysis to compare several possible visions of the future to help determine the timing, scale, and effects of achieving greenhouse gas targets.

What paths are most feasible for the Valley to get to net zero by 2050?



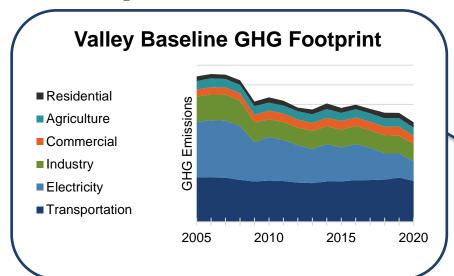
What impacts will these paths have on the Valley as a whole?







Key Components



Valley Stakeholders



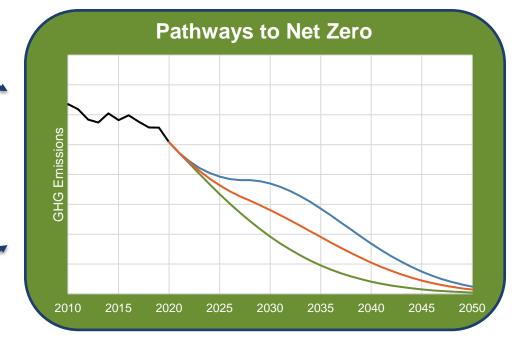
Geographic & economic sector reps



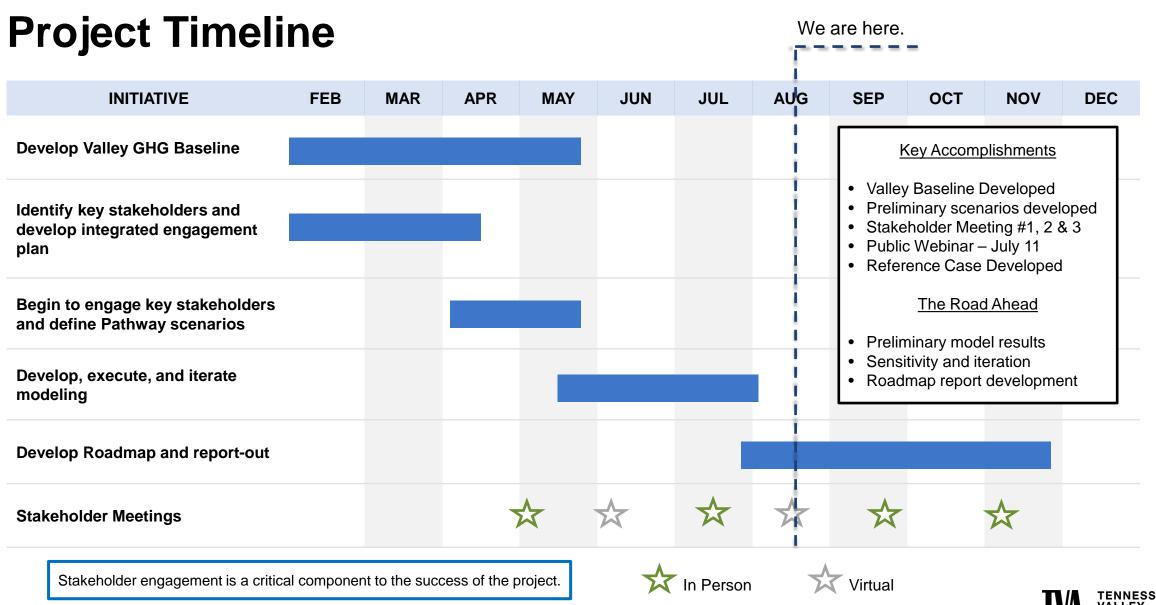
Key issue advocates (EJ, ED, etc)



State, municipal, and LPC officials







TVA Sustainability Program

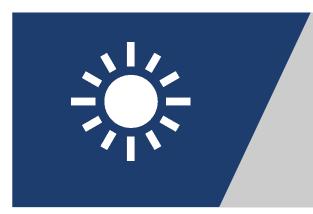


Inputs: Mission Alignment, Stakeholder Expectations & Benchmarks

Material Sustainability Areas Mission-Driven Goals in ESG

Internal Efforts, Planning & Targets Governance & Sustainment

Data Management Reports and Assurance Value Creation and Communication



The Sustainability Program provides a structure for TVA to engage with stakeholders to determine sustainability priorities; to establish sustainability goals to support the TVA mission; to guide program and project development to further sustainability performance in these focus areas; and to measure and report TVA's sustainability performance.



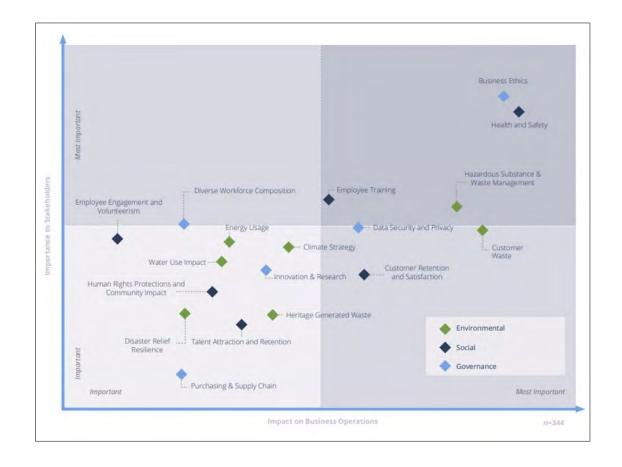
Sustainability Focus Areas and Priorities

TVA's sustainability work is categorized into four focus areas. The sustainability priorities aligned with each focus area help TVA focus our sustainability efforts.

Economic Impact	Environment	Social	Governance
 Energy Affordability Reliability and Resiliency Jobs Created and Retained Flood and Drought Management Energy Innovations Renewable Energy Investor Relations Supplier Partners 	 Habitat and Biodiversity Protection Climate Change and Resilience Air Quality Water Quality and Availability Waste Management Cultural Resource Management 	 Environmental Justice Health and Safety Community Vitality and Engagement Reservoir and Stewardship Benefits Local Power Company Partnerships Diversity and Inclusion Labor Relations Recruitment, Development and Retention Skilled Workforce Availability 	 Transparency Board and Executive Diversity Systemic Risk Management Ethics Cyber and Physical Security Sustainable Financing Framework

Sustainability Priorities Assessment Matrix Examples

Results from workshop and additional assessment efforts will be used to develop heat maps to better visualize priorities and areas of opportunities.





nforms Strategy

Priority Assessment Results in Action



- Identifies priorities that are most important to your company's long-term value creation
- Provides perspective from internal and external stakeholders



Focuses Disclosure

- Aligns disclosure efforts with global standards
- Provides structure and organization
- Gives foundation for what's "in" and "out"



Advice Questions:

- 1. Are there any stewardship priorities where you believe the risks are increasing substantially over the next 5 years?
- 2. Are there any other inputs or information that you'd like to share with TVA regarding deciding on and ranking our work on these sustainability priorities?



Sustainability Priorities Feedback Workshop

Regional Resource Stewardship Council

August 21, 2023





Agenda

Project Overview

• Norman Shafto, EPRI

Priorities Discussion

• Brenda Brickhouse, EPRI





KEY ASPECT



Chartered to serve the public benefit, with guidance from an independent advisory council.

Thought Leadership

Systematically and imaginatively looking ahead to identify issues, technology gaps, and broader needs that can be addressed by the electricity sector.

Independent

Objective, scientific research leading to progress in reliability, efficiency, affordability, health, safety, and the environment.

Scientific and Industry Expertise

Provide expertise in technical disciplines that bring answers and solutions to electricity generation, transmission, distribution, and end use.

S Collaborative Value

Bring together our members and diverse scientific and technical sectors to shape and drive research and development in the electricity sector.

Industry Sustainability Priorities Research Foundation

Initial 2013 Report

- "Material Sustainability Issues for the North American Electric Power Industry"
- 15 material sustainability issues



Refreshed 2017 Report

- "Priority Sustainability Issues for the North American Electric Power Industry"
- 20 sustainability priority issues



Refreshed 2021 Report

- "Sustainability Priorities for the North American Electric Power Industry"
- 20 sustainability priorities
- 3 emerging priorities
- 3 management elements



Sustainability Priorities Assessment Overview

August September July October Identify Refine **Prioritize** Validate Stakeholder Literature review Prioritization Results validation and development surveys and matrix interviews and meeting and of initial draft list development refinement project report delivery workshops



Workshop Objective and Guidelines

Objectives: validate and refine priorities

Is this a <u>sustainability priority</u> for TVA and its stakeholders?

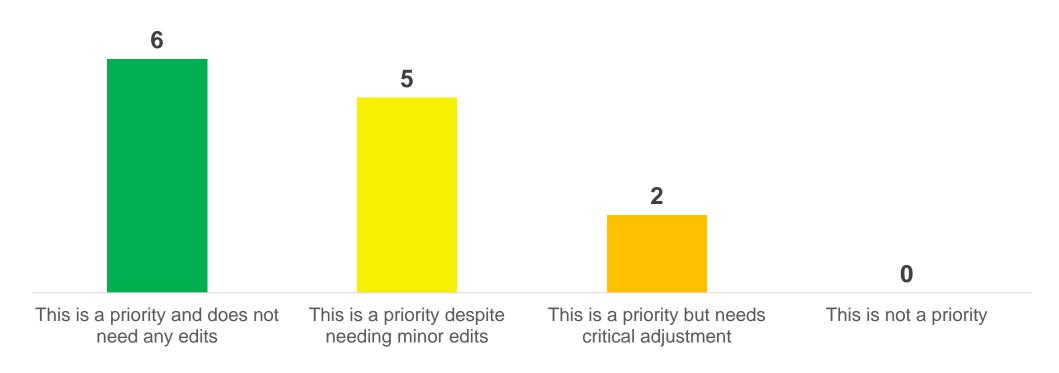
- Focus on priorities, not strategies
- Provide feedback on how priorities can be refined, expanded, or consolidated
- Think about what you think is important to communicate to your internal and external stakeholders

Key

- This is a priority, and does not need any edits
- This is a priority, but needs edits
- This is a priority, but is captured under another priority
- This is not a priority

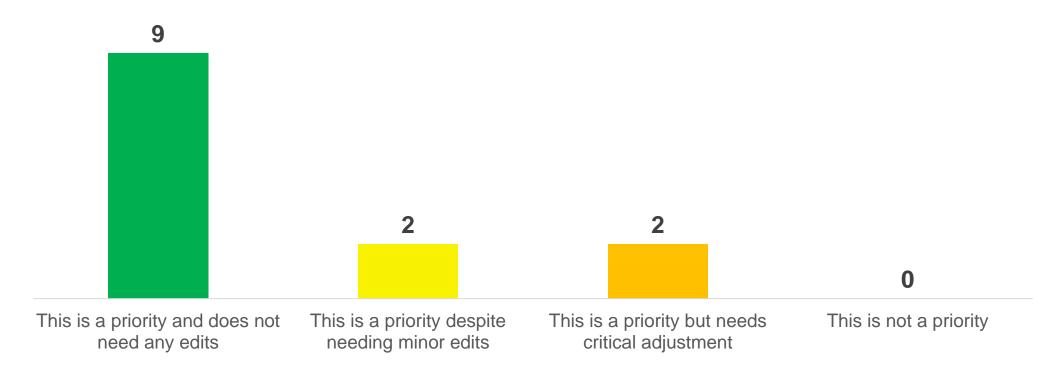
Feedback from this workshop and stakeholder interviews will inform priority refinement

Clean Energy Reduce carbon emissions of company operations and across the economy



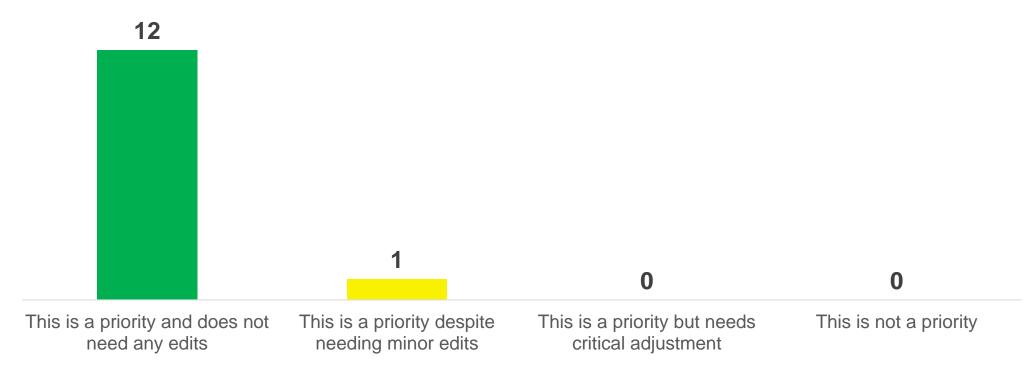


Climate Change Adaptation Operational and planning decisions to mitigate and prepare for potential risks related to a changing climate



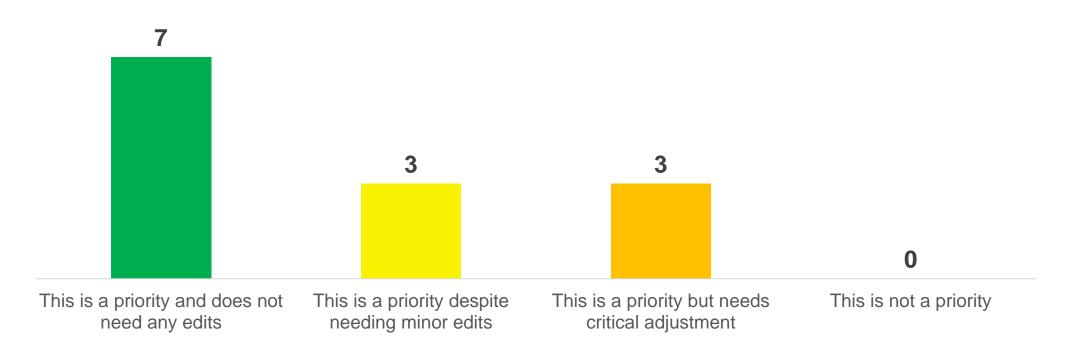


Energy Reliability and Resilience Consistent delivery of energy to customers and rapid recovery from extreme weather and other disruptive events



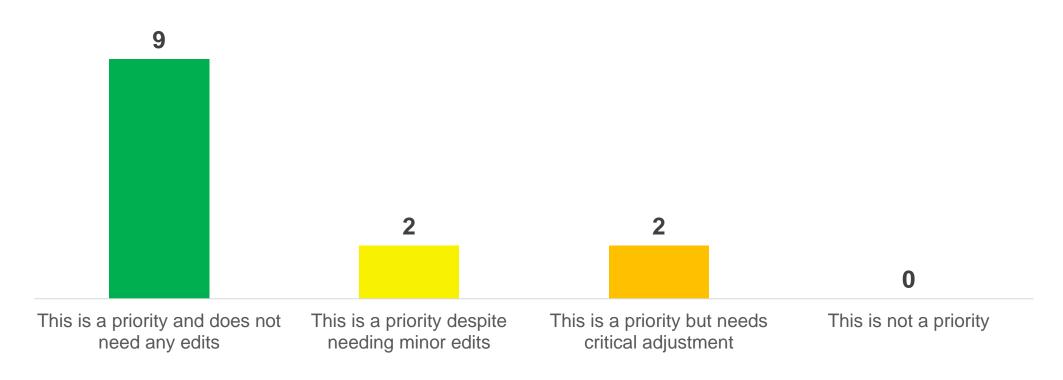


Community and Stakeholder Engagement Support of and a just transition of communities served or impacted by company operations, and intentional, meaningful, and transparent interactions and involvement



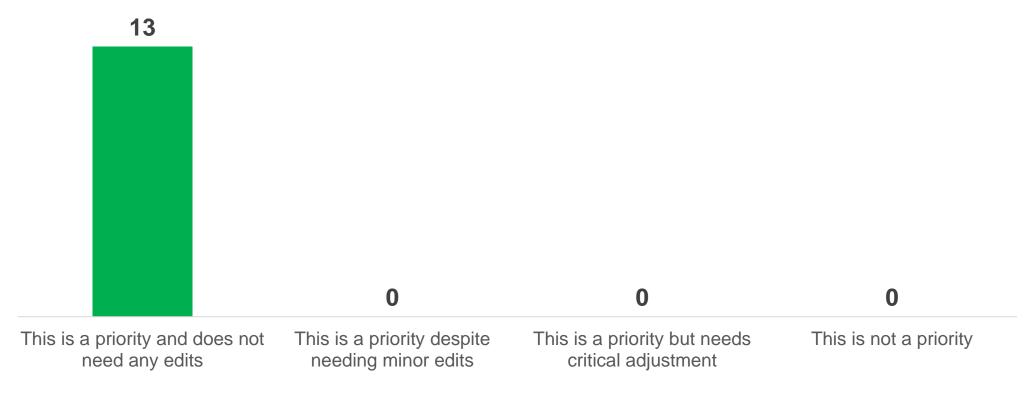


Customer Engagement and Partnerships Interaction with customers through evolving services, technologies, communication, education, and community partnerships



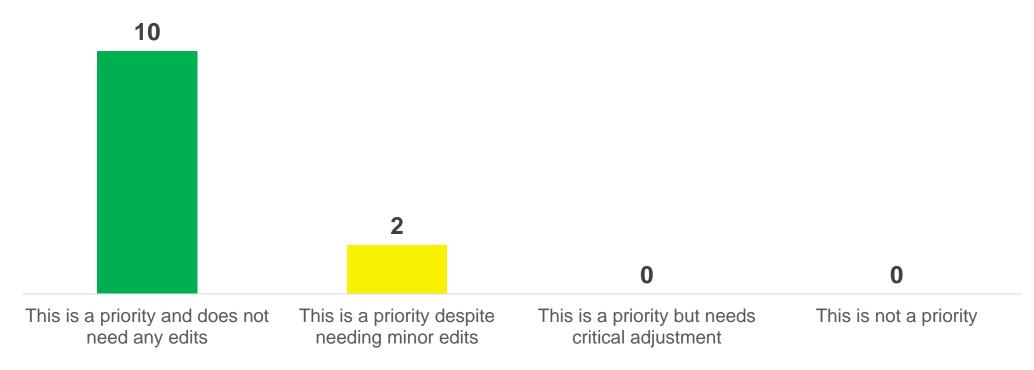


Energy Access and Affordability Maintain affordable energy costs and availability of energy services for all customers



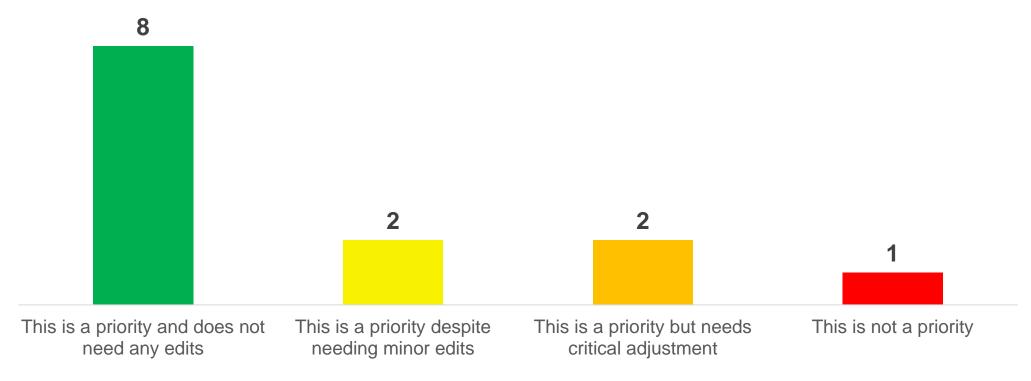


Valley Economy Strategies and actions to foster investment, job growth, and thriving communities in the region



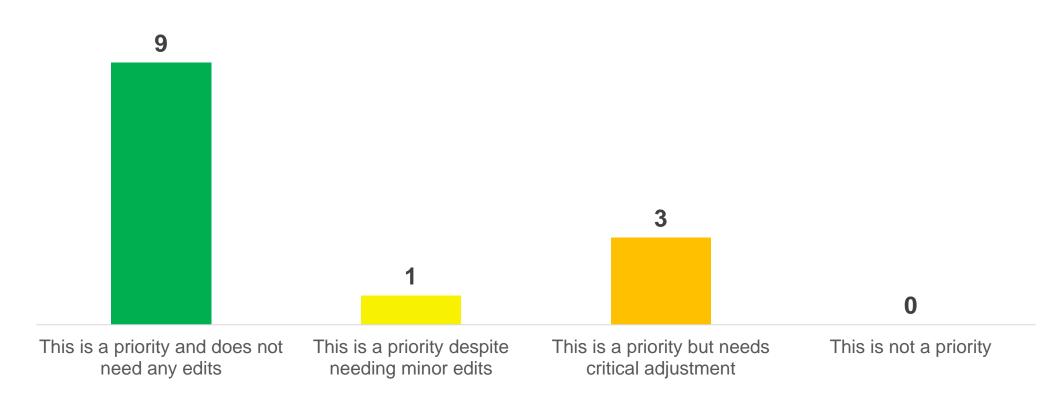


Supply Chain Economic, environmental, and social performance of suppliers, and resilience to disruptive events



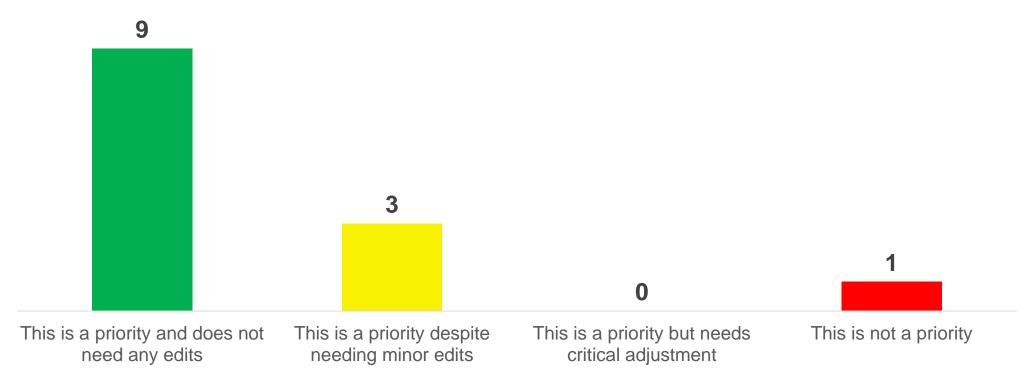


Diversity, Equity, and InclusionA company culture that ensures fair treatment and opportunity for all



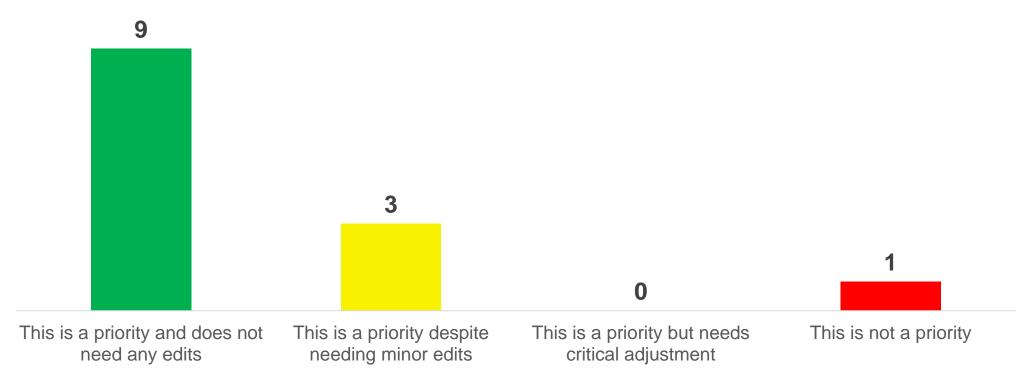


Workforce Development Attracting, hiring, training, engaging, and planning for appropriately skilled and experienced workers



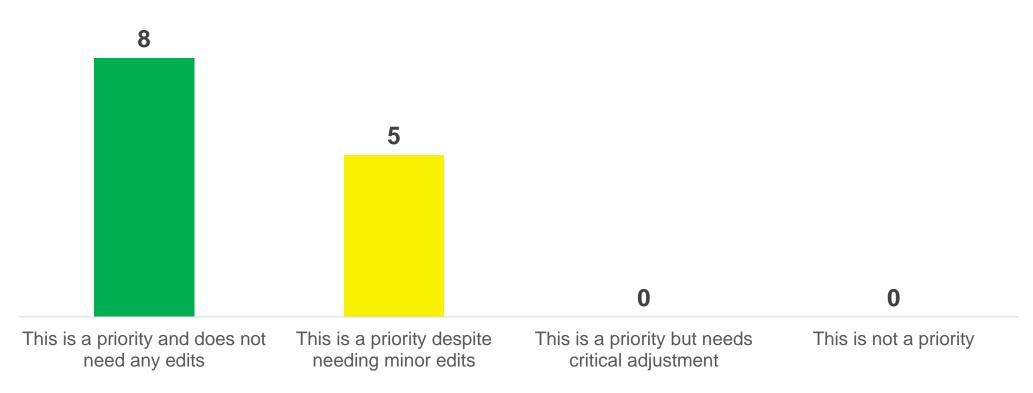


InnovationSupporting (Facilitating) and promoting new technologies, processes, and business and market models



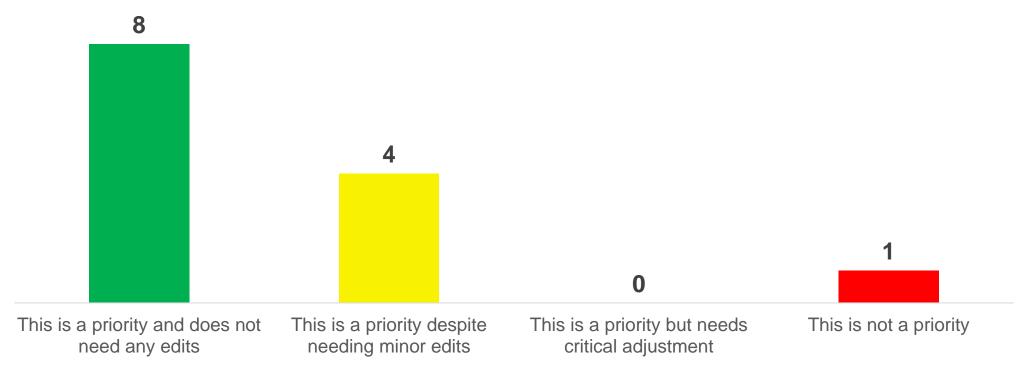


Environmental Management and Stewardship Monitor and implement actions to improve air quality, waste management, land management and stewardship benefits



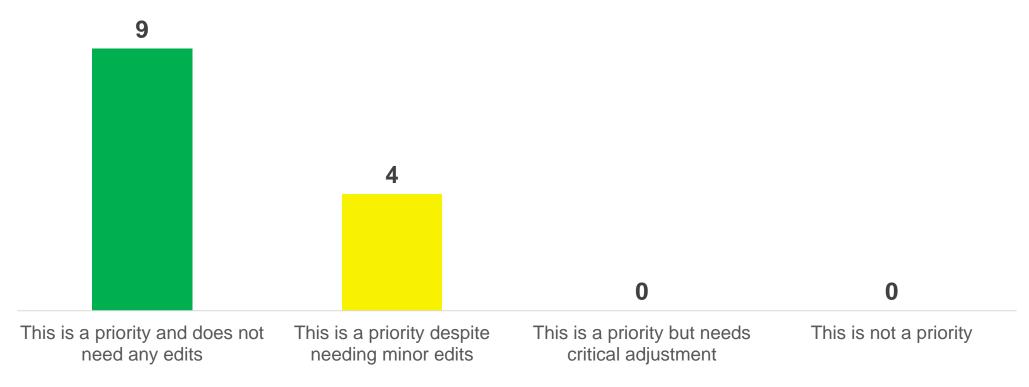


Habitat and Biodiversity Protect and enhance biodiversity and related habitats within the region



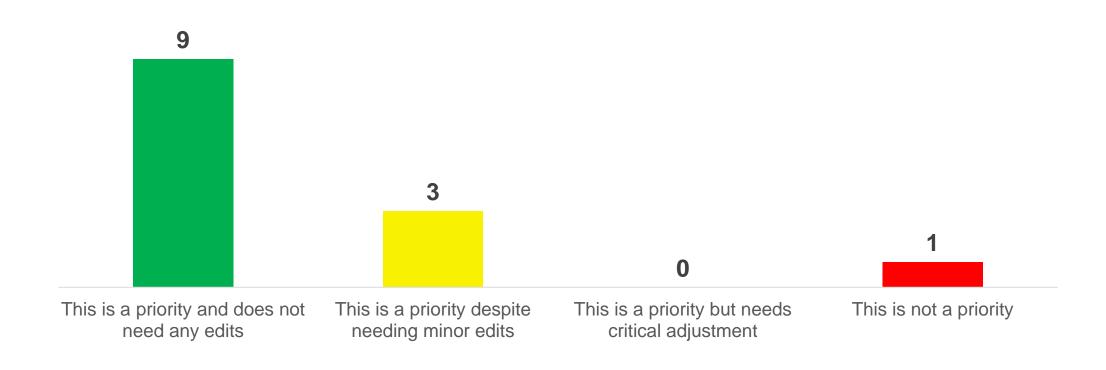


Water Management Operational actions and planning decisions to address water quality, water supply, aquatic systems, floods and droughts



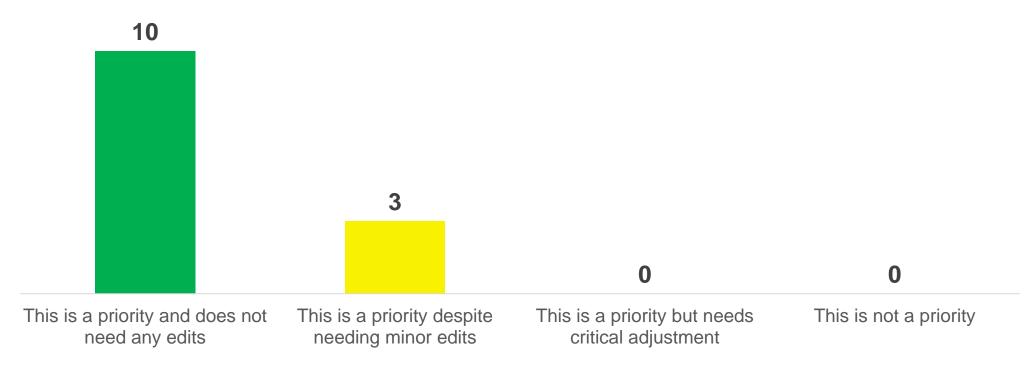


Cultural Resource Management Protect and preserve archaeological and historical resources through management practices, collaboration, consultation, and education



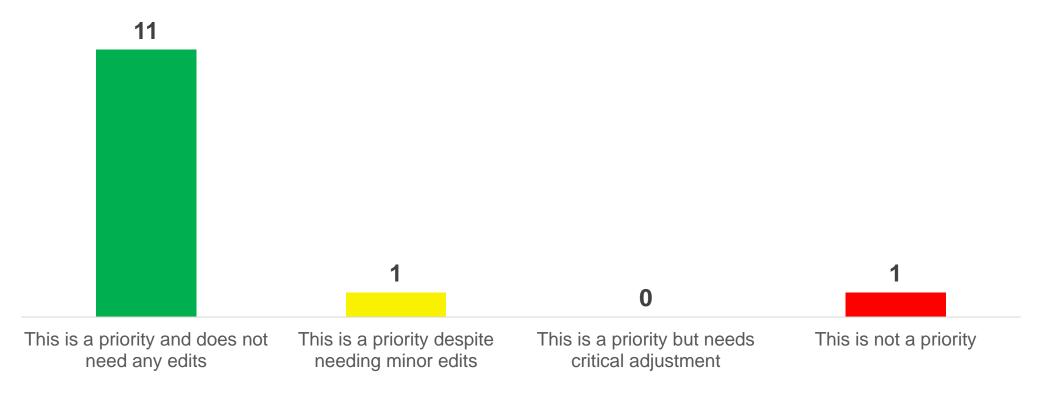


Equity and Environmental JusticeFair treatment and meaningful involvement regarding how energy services, environmental benefits, and related impacts are distributed throughout the communities served or impacted by company operations





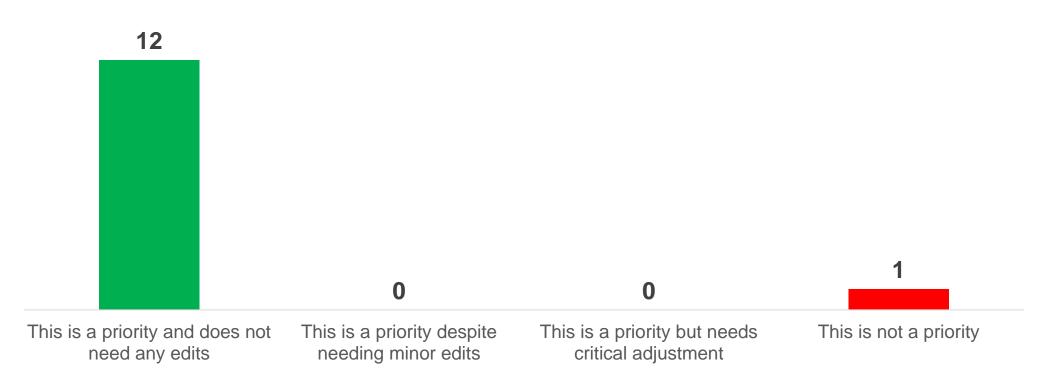
Health and Safety Health, safety, and well-being of employees, contractors, and the public with respect to interaction with owned or managed assets





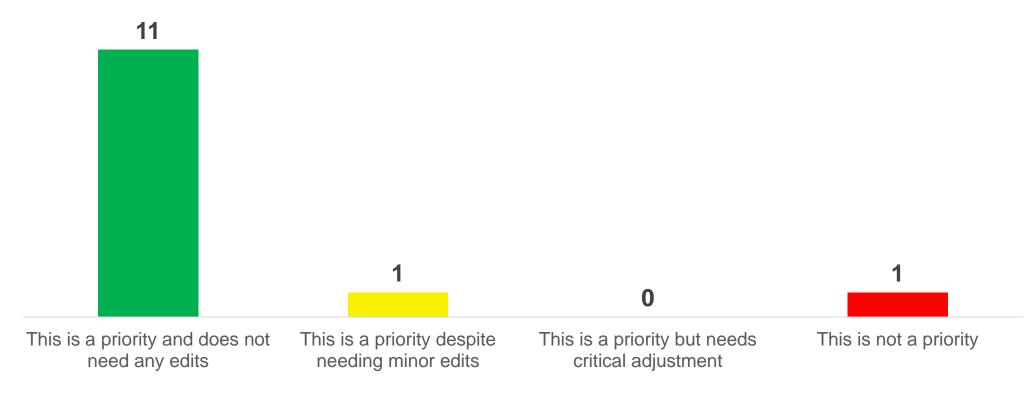
Governance

Leadership and systems to foster ethics, accountability, and effectiveness of activities, risk mitigation, and compliance



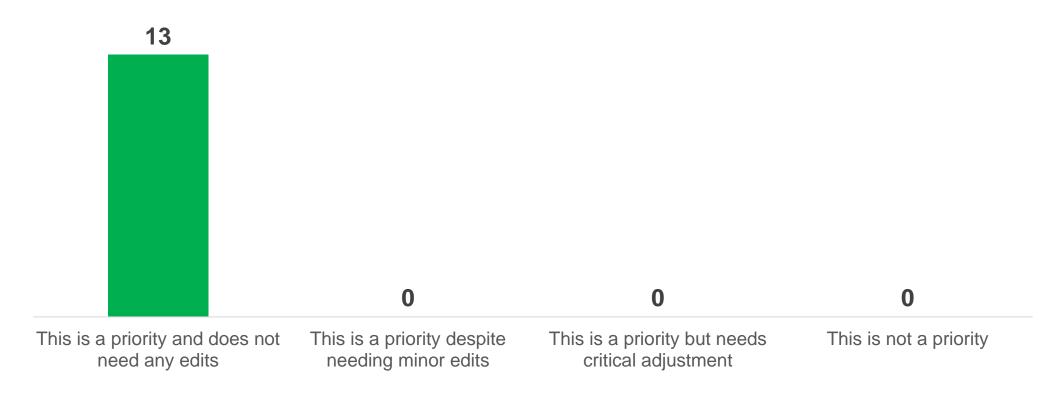


Financial Health Strategies and practices that support financial performance and promote sustainable value creation





Cyber and Physical Security Protection of customer and company information, facilities, systems, and infrastructure from digital and physical threats





Additional Questions and Next Steps

Final questions or feedback?

Priorities not addressed?

Next Steps

- EPRI will conduct stakeholder interviews and hold an internal TVA workshop to gather additional feedback
- TVA's list of sustainability priorities will be refined based on feedback
- A prioritization survey will be sent to TVA stakeholders to gauge the importance of each priority relative to each other

Advice Questions:

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- 2. Are there any other inputs or information that you'd like to share with TVA regarding deciding on and ranking our work on these sustainability priorities?



BREAK



Public Comment



This is a listening session; responses are typically not provided



Thank You



Closing Remarks



Adjourn

Day 2 RRSC Meeting
Begins at 12:30 pm Central







Welcome



Day 1 Recap



RRSC Meeting – Day 2 August 22, 2023 Guntersville, AL

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Agenda

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FINALIZE ADVICE



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BREAK





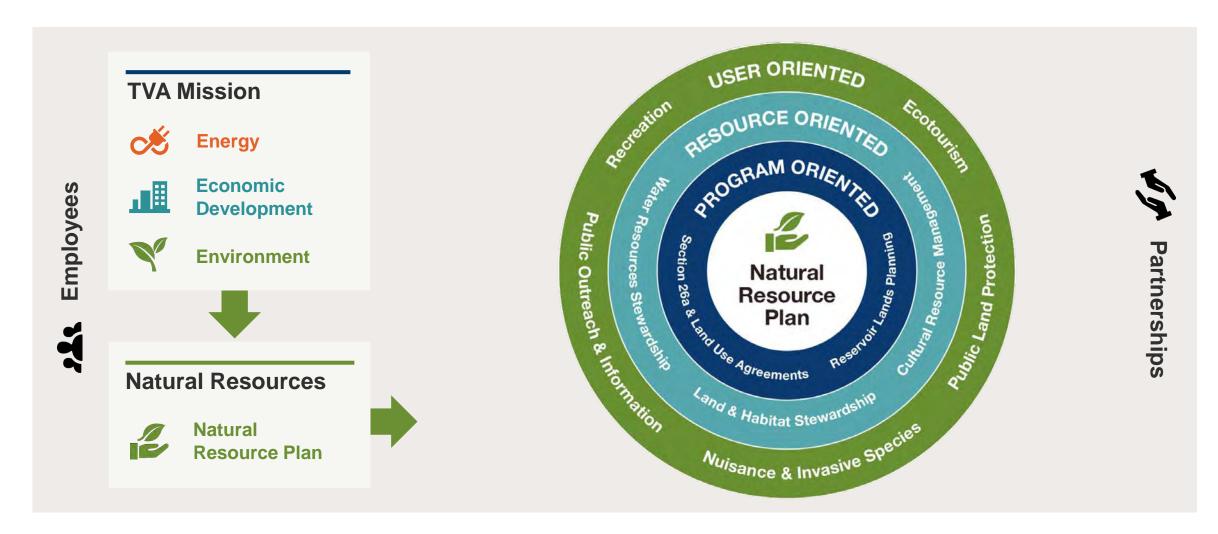
Natural Resources Update

Anthony Summitt

Senior Manager, Natural Resources & Recreation Management



TVA Natural Resources





Current Highlights

Fiscal Year 2023, Third Quarter

- Paint Rock Watershed Collaborative Conservation Efforts
- Joint Agency Wildfire Training Exercise
- National Pollinator Week Events

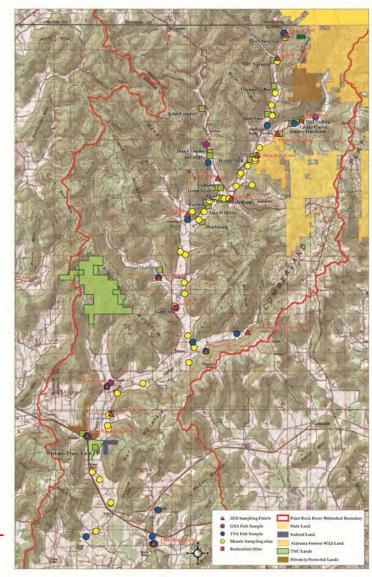




Paint Rock Watershed Jackson, AL

Biodiversity Hotspot

- 98 fish species and about 59 mussel species
- 3 endemic species: 2 mussels (Pale lilliput, Alabama lampshell) and 1 fish (Palzone shiner)
- 3 imperiled fish: Sawfin shiner, Blotchside logperch, and Snail darter



Water Resources Stewardship

Scottsboro, AL





Paint Rock - Stream Assessments

Assessed fish communities at 15 different locations, conducted mussel surveys at 37 sites, and walked/floated over 80 miles of stream to identify barriers and eroding streambanks

Fish Community Monitoring



Mussel Surveys





Paint Rock – Aquatic Barrier Removal

Replaced a low-water bridge on Estill Fork to provide safe access to the community and restored stream connectivity for aquatic life

Estill Fork Bridge (Before)



Estill Fork Bridge (After)





Paint Rock – Streambank Stabilization

Restoring 550 linear feet of streambank utilizing bank grading, toe protection, erosion matting, and riparian plantings of native seedlings and grasses on 0.3 acres to help secure the project's streambank and footprint

Pre-restoration



Ongoing restoration





Paint Rock - Accomplishments

- Implemented over 42 conservation projects
- Established approximately 8 miles of riparian buffer
- Planted 35,000 hardwood trees
- Acquired 30,000 acres of conservation lands
- Reintroduced over 1,000 freshwater mussels





Wildfire Aerial Field Training Exercise









Wildfire Aerial Field Training Exercise







Wildfire Aerial Field Training Exercise









Land and Habitat Stewardship

Public
Outreach
and
Information

Nuisance and Invasive Species Management

Public Land Protection





















River Management Update

James Everett

General Manager, River Management



Integrated Tennessee River System



Navigation



Water Supply



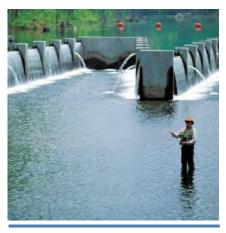
Flood Damage Reduction



Recreation



Power Generation

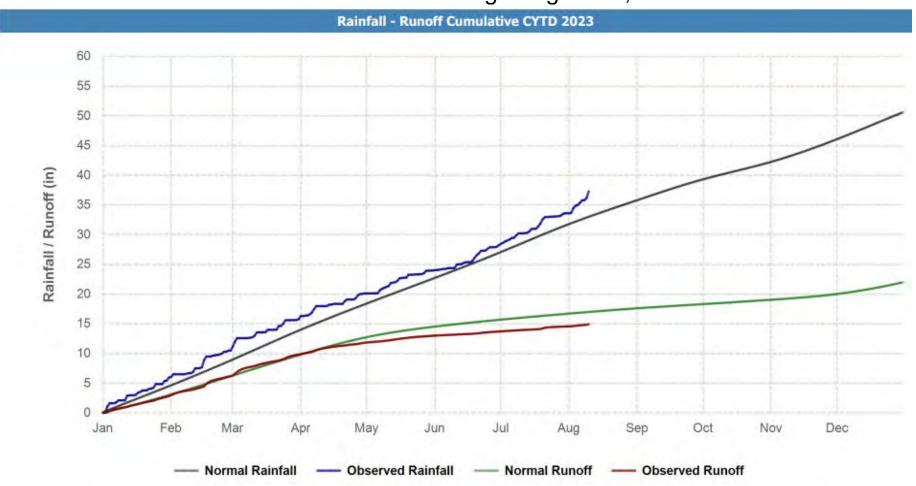


Water Quality



2023 Rainfall and Runoff

113% of normal rainfall and 88% of normal runoff through August 10, 2023



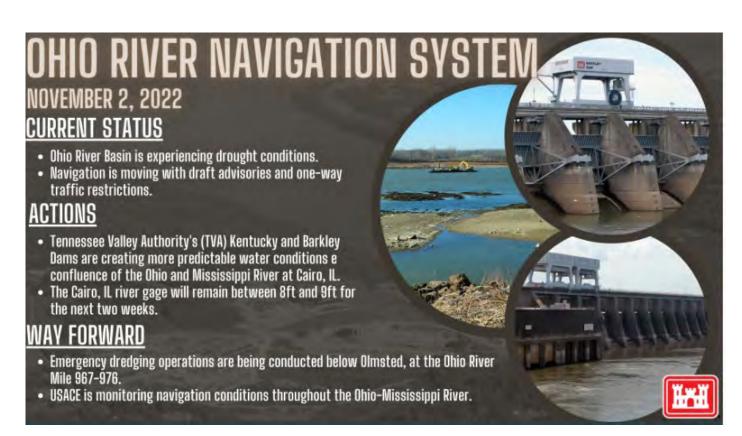


Navigation – Regional and National Impact

Releases from reservoirs support the nations inland waterway transportation system through efficient commodity movement

Supported continued navigation during the 2012, Fall 2022 and Summer 2023 low-water events on the Ohio and Mississippi Rivers

 The Tennessee and Cumberland Rivers provided more than one-third of the flow down the Mississippi River with only 5 percent of the drainage area





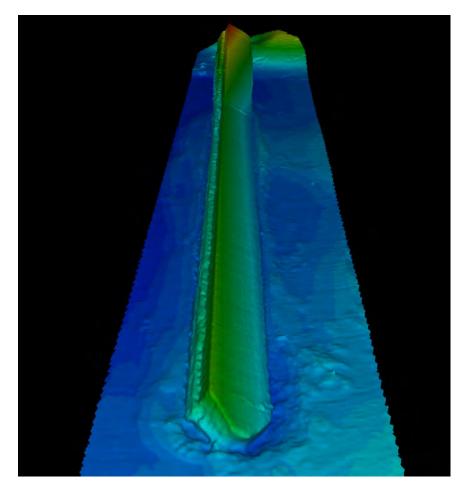
Navigation – Wilson Lock Guard Wall

Continue to support lock operations through modified lockage procedures, special spillway flow operations, and helper boats

Currently progressing through the project and planning phase for a temporary solution based on the U.S. Army Corps of Engineers' (USACE) Engineer Research and Development Center (ERDC) 2-D model analysis which uses a system of barges as a temporary wall

Working with USACE and other partners to explore funding sources for the guard wall permanent solution

Communicating with the navigation industry and congressional stakeholders on existing lock restriction impacts and the path forward





Water Quality – Floating Aquatic Vegetation

Floating aquatic vegetation (FAV) remains an operational consideration for TVA

 Identified and mitigated risk through summer readiness as plant fouling potential at Browns Ferry Nuclear, Wheeler Hydro, and Guntersville Hydro plants remains a risk

TVA Response

- Conduct field observations by helicopter or airboat
- Provide bi-weekly report to internal stakeholders
- Operate harvester boats as needed
- Monitoring cameras, sonar, and water quality platforms in Wheeler Reservoir to monitor FAV movement
- Forecasting system developed and undergoing operational testing and calibration









Power Generation & Winter Storm Elliott

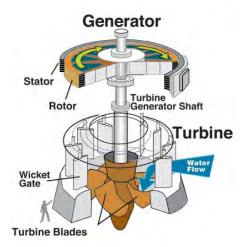
3,538 MW Conventional Generating Capacity (109 Units)

1,653 MW Pumped-storage Capacity (4 units)

Coordinated significant Hydro Generation support during the extreme weather event

- Hydro System provided increased flows in June to support the power system
- Pre-storm strategy, real-time response and coordinated increased releases with stakeholders

Total Hydro Value realized in CY2022 was over \$923 million or almost double a normal year





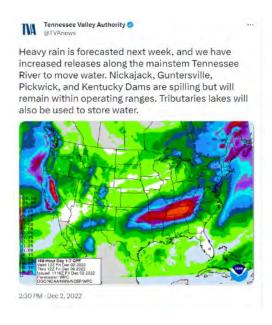




Outreach







Conducted numerous public and stakeholder briefings throughout the year including virtual and in-person River Forecast Center (RFC) tours

TVA Lake Info is the most clicked on link on TVA.com and the LakeInfo app saw a Bassmaster's peak of new users at 39,000

Hosted all 9 TVA Board Members for RFC tours

Thus far in 2023, hosted 38 tours and briefings that reached nearly 600 stakeholders



River Management Continuous Improvement

Utilize industry standard software and lead the way in technological innovation via advanced modeling and systems that standardize data management, modeling, and visualization across a broad worldwide user group of water management agencies and utilities

Utilize water management maturity matrix to evaluate current maturity level and prioritize improvement opportunities to reach desired state

Engage with internal and external stakeholder groups, share lessons learned, and cultivate collaborative relationships

Lead reviews of extreme events, such as Waverly, Tennessee flood, and implement lessons learned

Solicit and implement continuous improvement ideas from the workforce through the River and Resources Stewardship Continuous Improvement Peer Team



Then

Now



Jeff Lyash with Tennessee Valley Farmers





Making the Tennessee Valley a **Better Place** to Live, Work, and Play



BREAK



Cultural Resources and TVA

Melanie Farrell, Vice President, External Strategy and Oversight

August 22, 2023



Respecting Tribal Sovereignty and the Importance of Government-to-Government Relationships

RaeLynn Butler, Manager, Historic and Cultural Preservation Department, The Muscogee (Creek) Nation



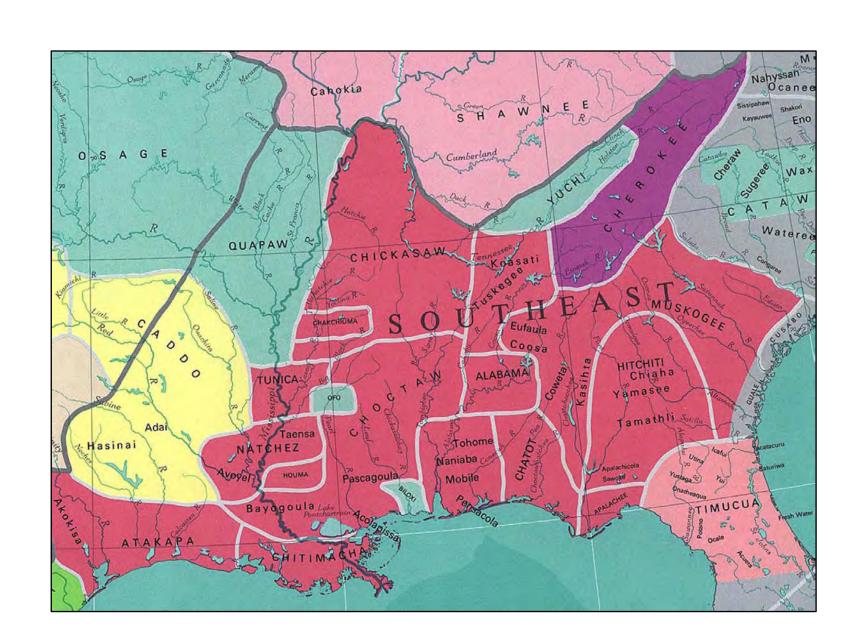
Respecting Tribal Sovereignty and the Importance of Government-to-Government Relationships



Tennessee Valley Authority
Regional Resource Stewardship Council
RaeLynn Butler, Muscogee (Creek) Nation
August 22, 2023



12,000+ Years of Tribal Occupation





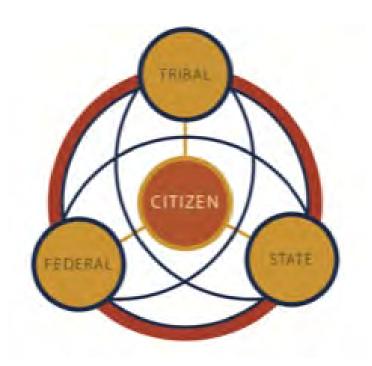
Sovereign Nations

- The federal government has a unique relationship with Indian Tribes
- Deeply rooted in American History, in the earliest contact with tribes, colonial governments addressed Indian Tribes as sovereign nations.
- This unique Trust Responsibility and government-to-government relationship between the United States and federally recognized Indian Tribes was derived from the US Constitution, Treaties, Supreme Court doctrine, and Federal Statutes; the relationship has been further defined and clarified in US Legislation, Executive Orders, Presidential directives and by the Supreme Court.



What is Tribal Sovereignty?

- The authority to self govern; act as an independent nation; make own laws, conduct own business without approval.
- Tribal members are citizens of their Tribe, State, and the United States.





The Marshall Trilogy

- The Marshall Trilogy 3 Supreme Court Decisions that affirmed the legal and political standing of Indian Nations. This created the foundation of Federal Indian Law.
 - Johnson v. McIntosh (1823): Property Rights
 - Cherokee Nation v. Georgia (1831): Domestic Dependent Nations
 - Worcester v. Georgia (1832). No state control



Treaties between Tribal Nations

- Over 370 Treaties were signed between 1778-1871.
- Exchanges of land, guarantees of peace, hunting and fishing rights, health care, education, housing, economic development, and U.S. protection were items negotiated by the President and tribal nations.
- "supreme law of the land" and take precedence over any conflicting state law.
- Treaties did not have an expiration date.

The 1790 Muscogee Treaty; Treaty of New York, signed by George Washington (President), Thomas Jefferson (Secretary of State), and Alexander McGillivray (Muscogee) and representative from the Muscogee Tribal Towns.



The Treaty was made to be "as strong as the hills and as lasting as the rivers."

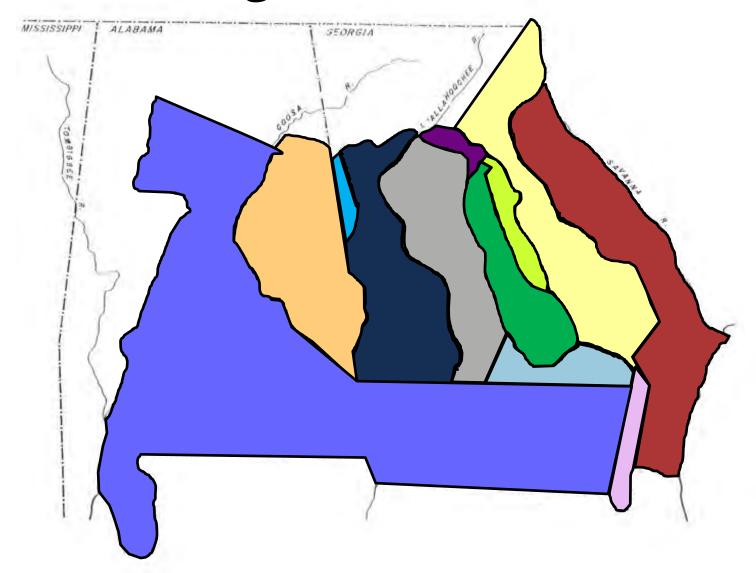


Muscogee (Creek) Nation Treaties

No.	Year	Treaty Name	Sovereign	Sovereign
1	1733	Treaty of Savannah	English	Lower Creek Nation
2	1739	Treaty of Coweta	English	Lower Creek Nation
3	1757	Treaty of Savannah	English	Upper and Lower Creek Nation
4	1763	Treaty of Augusta	English	Upper and Lower Creeks
5	1783	Treaty of Augusta *	Georgia	Lower Creeks
6	1784	Treaty of Pensacola	Spain	Talapuche Indians
7	1785	Treaty of Galphinton *	Georgia	Creek Nation
8	1786	Treaty of Shoulderbone Creek *	Georgia	Creek Nation
9	1790	Treaty of New York	U.S.	Creek Nation of Indians
10	1796	Treaty of Colerain	U.S.	Creek Nation of Indians
11	1802	Treaty of Fort Wilkinson	U.S.	Creek Nation of Indians
12	1805	Treaty of Washington	U.S.	Creek Nation of Indians
13	1814	Treaty of Fort Jackson	U.S.	Creek Nation
14	1818	Treaty at Creek Agency	U.S.	Creek Nation of Indians
15	1821	Treaty of Indian Springs	U.S.	Creek Nation
16	1825	Treaty of Indian Springs *	U.S.	Creek Nation
17	1826	Treaty of Washington	U.S.	Creek Nation of Indians
18	1827	Treaty of Fort Mitchell	U.S.	Creek Nation
19	1832	Treaty of Cusseta	U.S.	Creek Indian Tribe
20	1833	Treaty of Ft. Gibson	U.S.	Muskogee or Creek Nation
21	1835	Treaty with Comanche	U.S.	Muscogees
22	1838	Treaty of Ft. Gibson	U.S.	Creek Nation
23	1845	Treaty with the Creeks and Seminole	U.S.	Creek Tribe of Indians
24	1854	Treaty with the Creeks	U.S.	Creek Tribe of Indians
25	1856	Treaty with the Creeks	U.S.	Creek Tribe of Indians
26	1861	Treaty of Friendship and Alliance with the Creek Nation of Indians	C.S.A.	Creek Nation
27	1866	Reconstruction Treaty	U.S.	Creek Nation of Indians
		* Revoked Treaties		



Muscogee Land Cessions



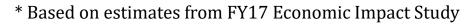




Muscogee (Creek) Nation Today

- 4th Largest Tribe in the United States
- 98,000+ Citizens
- Economic Impact of over 1 Billion Annually*
- Led by an elected Principal Chief, Second Chief, and a National Council
- The Nation operates a \$500 Million budget and employs over 4,000 people.
- The Nation provides vital services and programs to citizens such as health care, housing, education, and social services.







Muscogee (Creek) Nation Government

Executive Principal Chief Second Chief



Principal ChiefDavid Hill

Second ChiefDel Beaver



<u>Legislative</u> National Council

<u>Judicial</u>

District Court Supreme Court











NEPA, ARPA, NHPA, NAGPRA

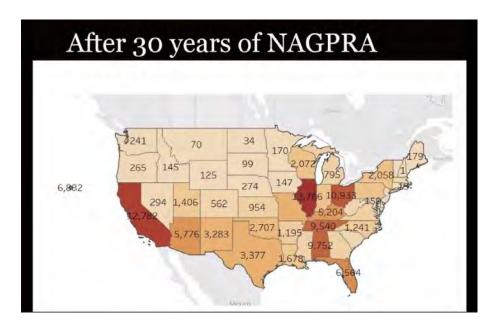
Archaeological Resources Protection Act, 1979 (ARPA)

Section 14

The Secretaries of the Interior, Agriculture, and Defense and the Chairman of the Board of the Tennessee Valley Authority shall—

- (a) develop plans for surveying lands under their control to determine the nature and extent of archaeological resources on those lands;
- (b) prepare a schedule for surveying lands that are likely to contain the most scientifically valuable archaeological resources; and
- (c) develop documents for the reporting of suspected violations of this Act and establish when and how those documents are to be completed by officers, employees, and agents of their respective agencies.

Native American Graves Protection and Repatriation Act (NAGPRA)

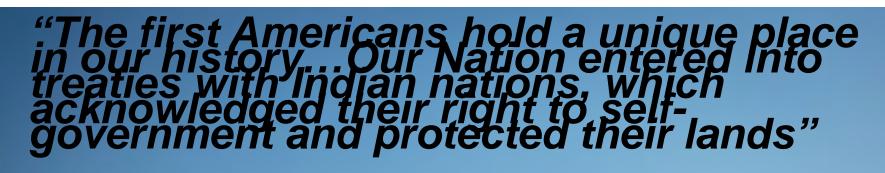






"This government to government relationship is the result of sovereign and independent tribal governments being incorporated into the fabric of our Nation, of Indian tribes becoming what our courts have come to refer to as quasi-sovereign domestic dependent nations. Over the years the relationship has flourished, grown, and evolved into a vibrant partnership in which over 500 tribal governments stand shoulder to shoulder with the other governmental units that form our Republic."







TENNESSEE VALLEY AUTHORITY

Nation-to-Nation



- President Biden's January 26, 2021 Memo calls for, "regular, meaningful, and robust consultation with Tribal Nations"
- Tribes helped TVA review their Tribal Consultation Policies and meet this goal.

PRICEING BOOM

Memorandum on Tribal Consultation and Strengthening Nation-to-Nation Relationships

JANUARY 26, 2021 . PRESIDENTIAL ACTIONS

January 26, 2021

MEMORANDUM FOR THE HEADS OF EXECUTIVE DEPARTMENTS AND AGENCIES

SUBJECT: Tribal Consultation and Strengthening Nation-to-Nation Relationships

American Indian and Alaska Native Tribal Nations are sovereign governments recognized under the Constitution of the United States, treaties, statutes, Executive Orders, and court decisions. It is a priority of my Administration to make respect for Tribal sovereignty and self-governance, commitment to fulfilling Federal trust and treaty responsibilities to Tribal Nations, and regular, meaningful, and robust consultation with Tribal Nations cornerstones of Federal Indian policy. The United States has made solemn promises to Tribal Nations for more than two centuries. Honoring those commitments is particularly vital now, as our Nation faces crises related to health, the economy, racial justice, and climate change — all of which disproportionately harm Native Americans. History demonstrates that we best serve Native American people when Tribal governments are empowered to lead their communities, and when Federal officials speak with and listen to Tribal leaders in formulating Federal policy that affects Tribal Nations.





Mvto!



Muscogee (Creek) Nation
Historic & Cultural
Preservation Department Education
and Training Building

Hwy 75 & Loop 56 PO Box 580 Okmulgee, OK 74447

Phone: 918-732-7733

Do you have any questions?

Please email or call us

Email:

raebutler@muscogeenation.com





Tribal Relations

Erin Dunsmore, Senior Specialist, Cultural Resource Management & Policy



Government to Government Relationship

The United States government has a unique legal relationship with Federally Recognized Indian Tribes ("Tribes") set forth in the Constitution of the United States, treaties, statutes, and court decisions. As a federal agency, the Tennessee Valley Authority (TVA) is committed to work with Tribes within the framework of a government-to-government relationship, respecting tribal sovereignty and self-determination.

TVA's Tribal Consultation Official, Melanie Farrell, has principal responsibilities for consulting with Tribal Governments.



What is the federal trust responsibility?

The federal Indian trust responsibility is a legal obligation under which the United States "has charged itself with moral obligations of the highest responsibility and trust" toward Indian tribes (Seminole Nation v. United States, 1942).



TVA takes this trust responsibility seriously and strives to be a leader in Tribal Partnerships.



The relationship between TVA and Tribes should be treated as a partnership. TVA provides partnership and engagement opportunities to strengthen relationships, and to encourage meaningful cultural interaction between Native Americans, TVA staff, and the public.



Ancestral Tribes of Tennessee Valley

- 1. The Muscogee (Creek) Nation
- 2. Alabama-Coushatta Tribe of Texas
- 3. Alabama-Quassarte Tribal Town
- Coushatta Tribe of Louisiana
- 5. Kialegee Tribal Town
- 6. Thlopthlocco Tribal Town
- 7. Poarch Band of Creek Indians
- Seminole Nation of Oklahoma
- 9. The Chickasaw Nation
- 10. Choctaw Nation of Oklahoma
- 11. Jena Band of Choctaw Indians
- 12. Mississippi Band of Choctaw Indians
- 13. Cherokee Nation
- 14. Eastern Band of Cherokee Indians
- 15. United Keetoowah Band of Cherokee Indians
- 16. Eastern Shawnee Tribe
- 17. Shawnee Tribe
- 18. Absentee Shawnee Tribe

- 19. Monacan Indian Nation
- 20. Delaware Nation
- 21. Osage Nation
- 22. Quapaw Tribe of Indians
- 23. Peoria Tribe of Indians





Legal Authorities

Antiquities Act of 1906

National Environmental Policy Act of 1969

American Indian Religious Freedom Act of 1978 (AIRFA)

Archaeological Resources Protection Act of 1979 (ARPA)

Native American Graves Protection and Repatriation Act of 1990 (NAGPRA)

National Historic Preservation Act 1966, as Amended (NHPA)

Executive Order 13007 - Indian Sacred Sites (1996)

Executive Order 13175 – Consultation and Coordination with Indian Tribal Governments (2000)

Executive Memoranda:

- "Government-to-Government Relations with Native American Tribal Governments (1994)
- Tribal Consultation (2009)
- Tribal Consultation and Strengthening Nation-to-Nation Relationships (2021)
- Uniform Standards for Consultation (2022)







Focusing on Tribal Needs/Concerns



NAGPRA

Transferring control and custody of Native American ancestors to Tribes Ensuring Ancestors are protected on TVA lands Inadvertent Discovery of Ancestors



ARPA

Identification of Important Native
American archaeological resources
Monitoring and Protection from Looting,
erosion and climate change
Reduce trafficking of Native American
objects
Outreach in local communities on the

importance of site protection



NHPA

Consultation on TVA Undertakings Identification of Significant Native American Historic Properties Evaluate and Nominate historic properties to the National Register of Historic Places



Other Priorities

Reinterment of Native American Ancestors Sacred Sites Protection of Natural Resources Tribal Engagement Tribal Partnerships & Outreach



Reinterment

TVA is committed to providing locations for the reburial of Native American Ancestors and their belongings.

Most of these ancestors were removed prior to the construction of TVA dams.

Some have been removed as a result of illegal desecration or environmental impacts.

TVA Supports:

- Individual reinterments
- Regional reinterment locations





Tribal Partnership Projects

TVA partners with Tribes on a number of different projects, including:

- Removal Route Project Compiling historic records and ground truthing actual route locations in the TVA Power Service Area
- Stone Features Management Project
 Developed a management plan and documentation form
- Tribal Cultural History Project Work with individual Tribes to record accurate and inclusive tribal histories for improved archaeological reporting







Outreach & Engagement

- Tribal Homeland Visits
- TVA Tribal Engagement Initiative
- Public Outreach
- Volunteer Archaeological Stewardship Training
- Archaeological Field School Partnership
- Native Plant Partnership











NHPA Preservation Program and Section 106

Erin Dunsmore, Senior Specialist, Cultural Resource Management & Policy



National Historic Preservation Act (NHPA)

"The spirit and direction of the Nation are founded upon and reflected in its historic heritage" and these 'cultural foundations should be preserved as a living part of our community life and development in order to give a sense of orientation to the American people;"

"the preservation of this irreplaceable heritage is in the public interest.."







NHPA Requirements for Federal Agencies

Establish Preservation Program (Section 110)

- Identify, evaluate and nominate historic properties to the National Register of Historic Places
- Coordinate preservation activities with State Historic Preservation Officers and Federally Recognized Indian Tribes

Designate Federal Preservation Officer

Minimize impacts to National Historic Landmarks

Consider effects of undertakings on historic
properties (Section 106)



Test excavations conducted to evaluate significance of archaeological site.



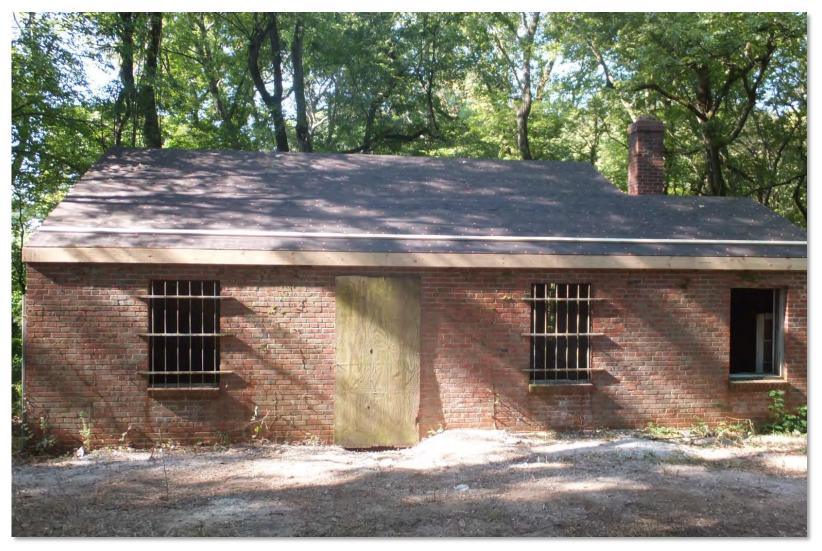
Section 110

Maintain inventory of historic properties

- Archaeological Sites
- Architectural Resources
- Historic Items

Cultural Resource Management System Improve Section 106 through preservation planning

Evaluate and nominate historic properties to the National Register of Historic Places (NRHP)



insectary building (used to conduct malaria research) in Muscle Shoals being mothballed until identified use.

National Register of Historic Places

- Official list of the Nation's historic places worthy of preservation
- Must have integrity of location, design, setting, materials, workmanship, feeling or association.
- TVA has archaeological sites, historic buildings, and dams listed on the NRHP
- Wilson Dam is a National Historic Landmark



Norris Dam is listed on the National Register of Historic Places

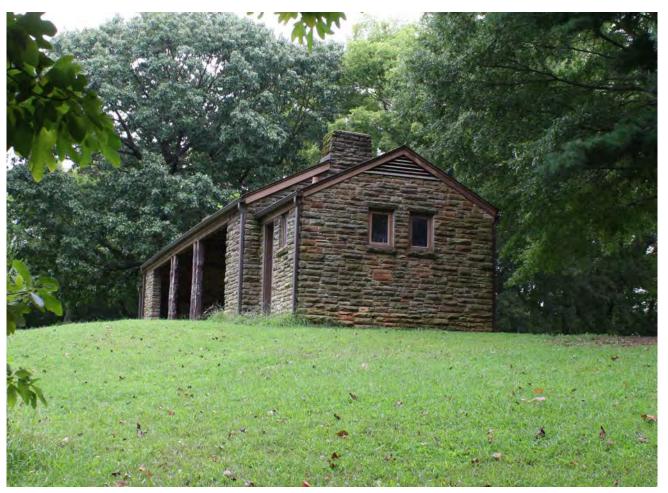


Heritage Tourism and Historic Properties

- Executive Order 13287 Reaffirms federal agency's role in protection, enhancement and use of historic properties outlined in NHPA.
- Heritage Tourism is the practice of attracting and accommodating visitors to a place based on the location's history, landscape, and culture.

Examples of Heritage Tourism:

- Historic Dam Tours
- Virtual Dam Tours
- Muscle Shoals Reservation-CCC
 Trails and Park



CCC Pavilion located on the Muscle Shoals Reservation in Colbert County, Alabama

Section 106 Undertakings

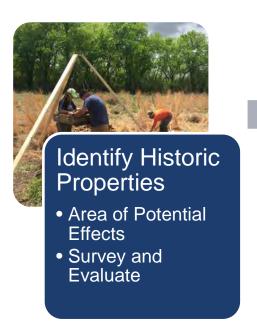
- Requires agencies to take potential project effects on historic properties into consideration.
- Outlines process for agencies to identify historic properties that could be affected by their projects (Undertakings)
- TVA undertakings can include any permit, license, construction, maintenance or other project that could physically or visually impact a historic property
- Requires agencies consult with SHPOs,
 Tribes and others with an interest in the project area (consulting parties)





Section 106 Consultation Process











Section 106 Programmatic Agreement

- TVA executed a PA with 7 states and 13
 Tribes to streamline Section 106 process for repetitive and routine management activities
- These projects do not have to follow standard process:
 - Appendix A Excluded activities do not require cultural review (no potential to effect)
 - Appendix B Low potential activities that require cultural review and sent to consulting parties in annual report
- In FY22, over 1200 projects fell under the Appendix A and B.
- Projects where historic properties are identified must go through standard review process.

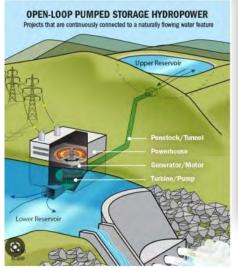




New TVA Projects

- New Gas-fired Generation plants (CC, CT, Aero CT), or combo gas- and fuel oil fired
- Decomissioning (D4): Decommissioning, Deactivation, Decontamination, and Dem olition
- Alternative Generation Technologies (Battery storage, pumped storage)
- Solar panels
- Electric Vehicle charging stations
- Dam Safety instrumentation









BREAK



Archaeological Site Monitoring and Protection

Erin Dunsmore, Senior Specialist, Cultural Resource Management & Policy

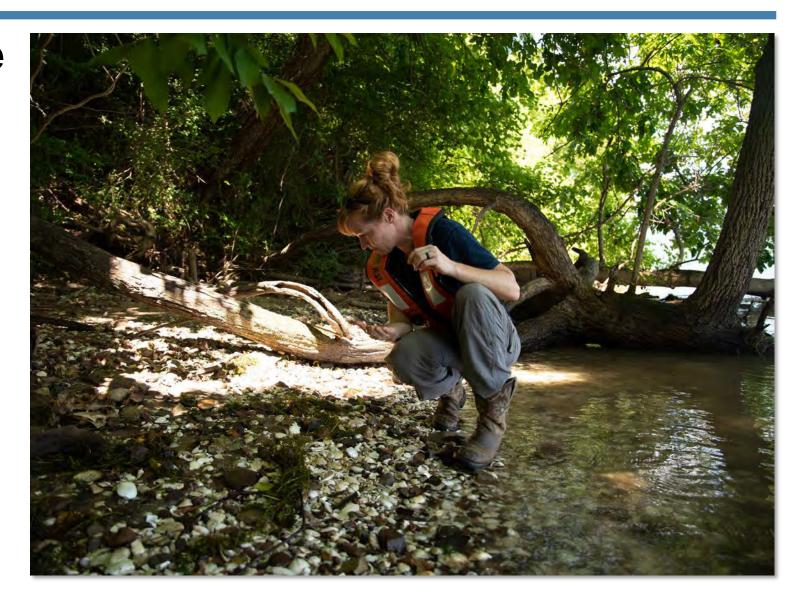
August 22, 2023



Archaeological Site Management

TVA is responsible for management of over 12,500 archaeological sites

- Monitoring
- Protection
- Outreach





Monitoring

Annual Visits to known vulnerable sites

Focus Areas:

- Reservoir shorelines during winter drawdown
- Sites vulnerable to looting

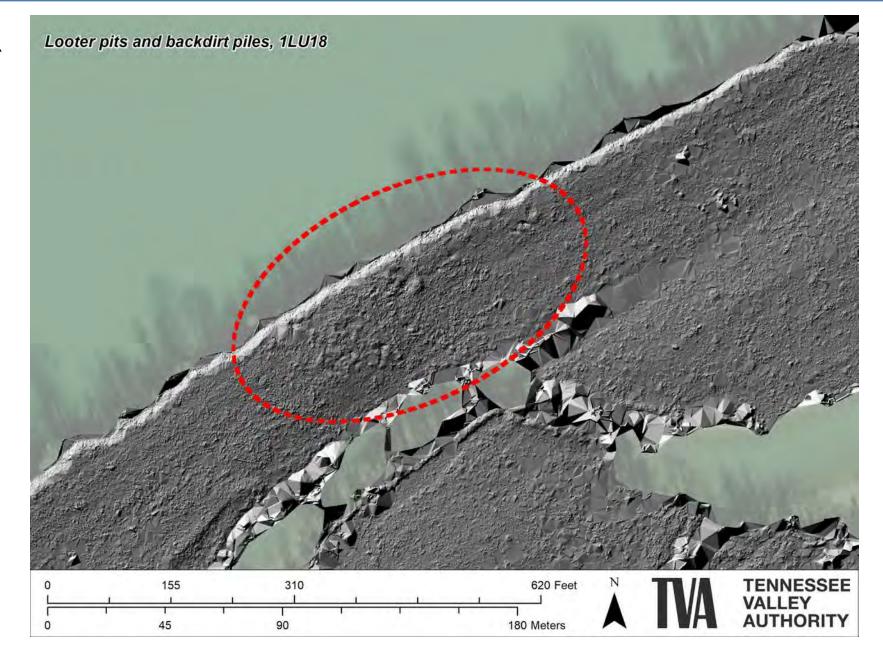
Goals:

- Identify sites with protection needs
- Prioritize needs (outreach, protection, additional monitors, TVA Police patrols
- Coordinate findings with Tribes in Quarterly Reports





LiDAR





Protection

Prioritized based on resource sensitivity and identified impacts

Protection methods include:

- Shoreline stabilization
- Site capping
- Cave gating or closure
- Signage
- Fencing
- Increased monitoring and/or patrols





"A Thousand Eyes" Archaeological Outreach

- Participation in community events and festivals
- Tribal partnerships
- Community partnerships
- Classroom activities and STEM Programs
- Speaking engagements
- Articles and publications
- Signage
- Volunteer Site Stewardship Program
- TVA Police saturation events





Volunteer Site Stewardship Program



- Began in 2015
- Two-day workshop with TVA and Tribal instructors
- Focus on safety, archaeology, tribal perspective, and laws
- One day in classroom
- Half-day in field with instructors
- Focus in areas where looting is prevalent
- Over 60 volunteers trained
- Florence, AL Chapter





ARPA Enforcement

Mike Angst, Archaeologist

August 22, 2023



Archaeological Resources Protection Act (ARPA)

- ARPA was enacted to secure, for the present and future benefit of the American people, archaeological resources and sites on Federal lands and Indian lands...
- ARPA makes it illegal to excavate, remove, damage, alter, deface or attempt to excavate, remove, damage, alter, or deface any archaeological resources on public or Indian lands without a permit.

Surface Collecting





151

What looting looks like





What looting looks like





Other types of site damage







Other types of site damage





ARPA Enforcement Overview at TVA

- Six TVA police officers devoted to protection of natural and cultural resources (ARPA)
- Additional support from TVA Police, other LEOs
- Detection of archaeological crimes on TVA land and enforcement of ARPA
- Work with U.S. Attorneys in prosecution of archaeological crimes on TVA land





Dealing with Looters

What to do when you see someone looting:

- Contact TVA Police immediately (1-855-476-2489).
- Note general description of the individual and other information (car, boat, or other vehicle description).
- Drop a pin on a map or note the general location.
- Remove yourself from the scene.
- Have as little contact with the individual as possible.
- If damage has already been done, essentially a Violation & Encroachment, contact Cultural Compliance staff.
- Reminder: ARPA only applies to archaeological resources and sites on fee-owned land; does not include flowage easements, transmission line ROWs, etc.



NAGPRA

Meg Cook, Senior Specialist and Interim Tribal Liaison

August 22, 2023



Native American Graves Protection and Repatriation Act

Enacted Nov. 16, 1990; Regulations promulgated Dec. 4, 1995

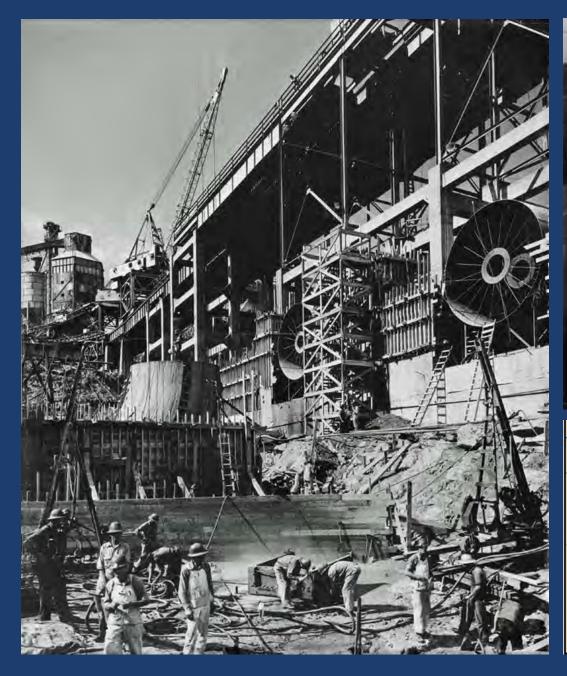
"...to reach agreement on repatriation or other disposition of these remains and objects."

US House Report 101-877

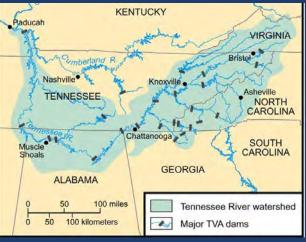
"...to provide for the **protection** of Native American graves and the **repatriation** of Native American remains and cultural patrimony."

US Senate Report 101-473













Regulatory Process

NAGPRA requires <u>repatriation</u> or <u>transfer</u> of Native American human remains and other cultural items after



Consultation with lineal descendants and Federally Recognized Indian Tribes (Native Hawaiian Organizations if applicable).



Identifying and **reporting** collections likely to contain Native American Human remains and other cultural items (inventory).

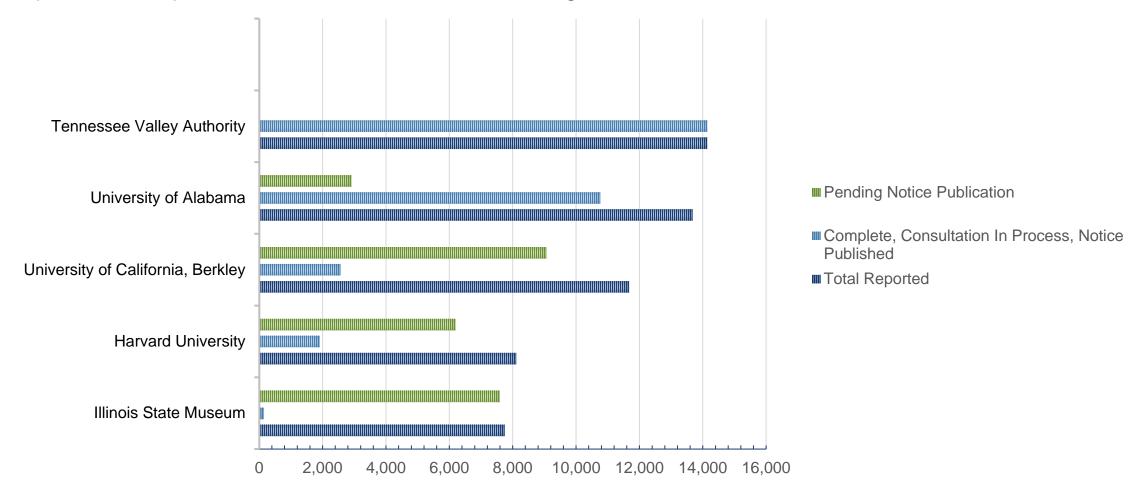


Giving notice prior to repatriating or transferring human remains and other cultural items.



Top 5 NAGPRA Collections

Reported to Dept of Interior, National NAGPRA Program





Consultation Matters

"Any additional inventory work should be based upon the request of a tribe, involve only existing records, and only for the limited purposes of geographic origin, affiliation, or facts around acquisition." –Melanie O'Brien, National NAGPRA Program Director, 3/16/21

Cataloging includes documenting each item from a site. One site may easily produce many thousands of artifacts, which requires time and resources.





Wrap-up

RaeLynn Butler, MCN



Wrap-up & Questions

Melanie Farrell



Closing Remarks



Adjourn



Drive Safely!



