

Welcome!

The Meeting will
begin at
8:30 AM Central

Regional Energy Resource Council and Regional Resource Stewardship Council

November 3, 2022

Welcome

RERC and RRSC Live and Virtual Meeting

- This is the second joint meeting of the RERC and RRSC.
- This meeting is being recorded.
- **We welcome members of the public attending virtually and who are in listen only mode.** There will not be a Public Listening Session at this meeting. Written comments are always welcomed (tva.com/rerc and tva.com/rrsc).
- **RERC and 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 your name plate vertically 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,** exit the doors you entered to the room. You will be guided to the stairs where we will go down to the sublevel.



Introductions

Name

Position, Organization, Location

RERC Term 5 Members

Introductions:
Name
Position, Organization, Location

Mike Butler

Tennessee Wildlife Federation

Jonathan Levenshus

Sierra Club

Patrice Robinson

Memphis City Council

Erin Gill*

City of Knoxville

Sen. Steve Livingston

State of Alabama

Alexa Voytek

State of Tennessee

Rebecca Goodman

Commonwealth of Kentucky

Pete Mattheis

Tennessee Valley Industrial Committee

Clay Walker

NETWORKS Sullivan Partnership

Rodney Goodman

Habitat for Humanity

Dan Miller

Oak Ridge National Laboratory

John Warren

Commonwealth of Virginia

Chrissy Heard

State of Mississippi

Doug Peters

Tennessee Valley
Public Power Association

Lloyd Webb

Olin Chlor Alkali

Dana Jeanes

Memphis Light, Gas, and Water

Bailey Recktenwald

State of North Carolina

To Be Appointed

State of Georgia

Candy Johnson

Urban League of
Greater Chattanooga

***Council Chair**

RRSC Term 12 Members

Introductions:

Name

Position, Organization, Location

Ryan Brown

Commonwealth of Virginia

Ron Lambert

Nature Conservatory

Sen. Clay Schofield

Alabama Senate, District 9

RaeLynn Butler

Muscogee (Creek) Nation

Whitney Lipscomb

State of Mississippi

Danette Scudder

TN Valley Public Power Association

Keith Carnahan

Meriwether Lewis Electric
Cooperative

Tom Littlepage*

ADECA Office of Water Resources

Robert Sneed

Retired, Army Corps of Engineers

Alan Gates

Pennyrile Electric

John McConnell

McConnell Insurance
Commonwealth of Kentucky

Catherine Via

TN Farm Bureau Federation

Richard Holland

Packaging Corp of America

Will Nelson

Nelson Tractor Co.
State of Georgia

Stacey White

Arab Electric Cooperative, AL

Cline Jones

Tennessee River Valley Association

Ron Robertson

TN Farmer

Randy Wiggins

Cherokee County, NC

Kim Klinker

Klinker Management

*** Council Chair**

Greg Young

State of Tennessee

Agenda

Joint RERC & RRSC Meeting

November 3, 2022

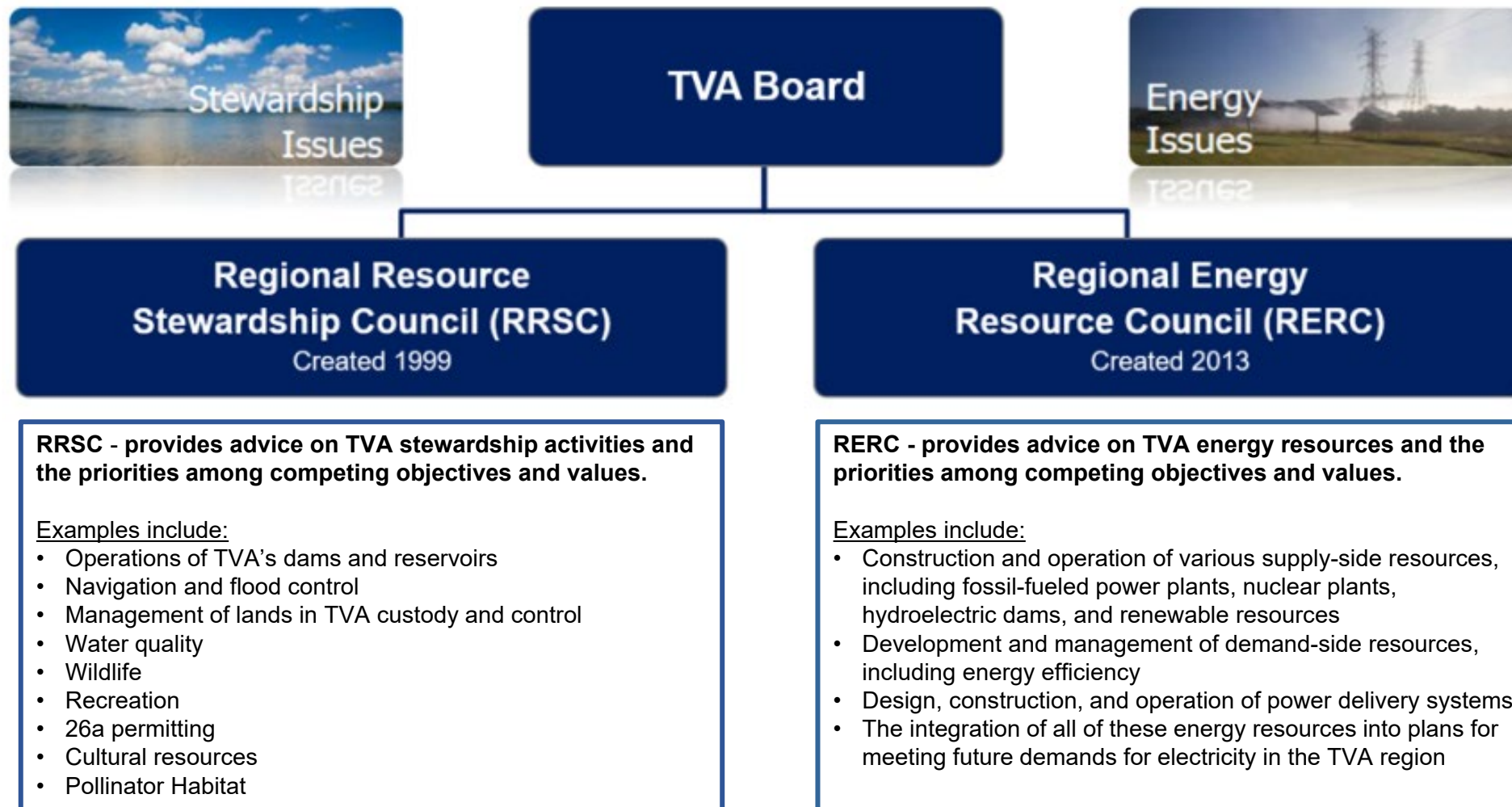
All times are CT

8:30 am	Welcome – Chairs Erin Gill (RERC) and Tom Littlepage (RRSC) Designated Federal Officer Melanie Farrell Introductions of Council Members Meeting Protocols, Agenda
9:15	DFO Briefing
9:30	Sustainability Update
10:00	Break
10:15	Biodiversity Update
10:35	Environmental Justice, Home Uplift
11:30	Break
11:45	Advice Question Discussion
12:45 pm	Lunch
2:45	Finalize Advice Statements in Separate Rooms for RERC & RRSC
4:15	Read RERC and RRSC Advice Statements to Combined Group
4:30-5:00	Closing Remarks, Adjourn RERC- RRSC Meeting

Welcome & Opening Remarks

Melanie Farrell, Designated Federal Officer

Federal Advisory Committee Overview



TVA Sustainability

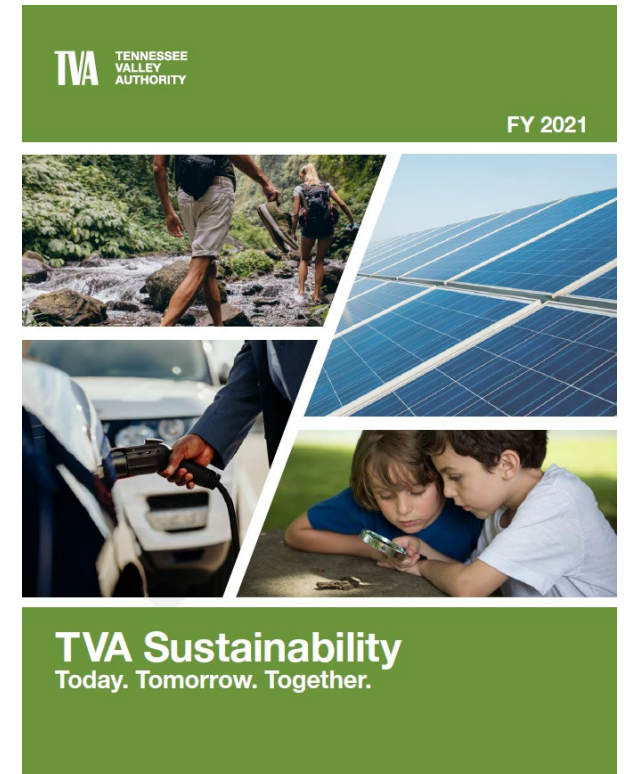
Today. Tomorrow. Together.

Rebecca Tolene
November 3, 2022

TVA's Approach to Sustainability

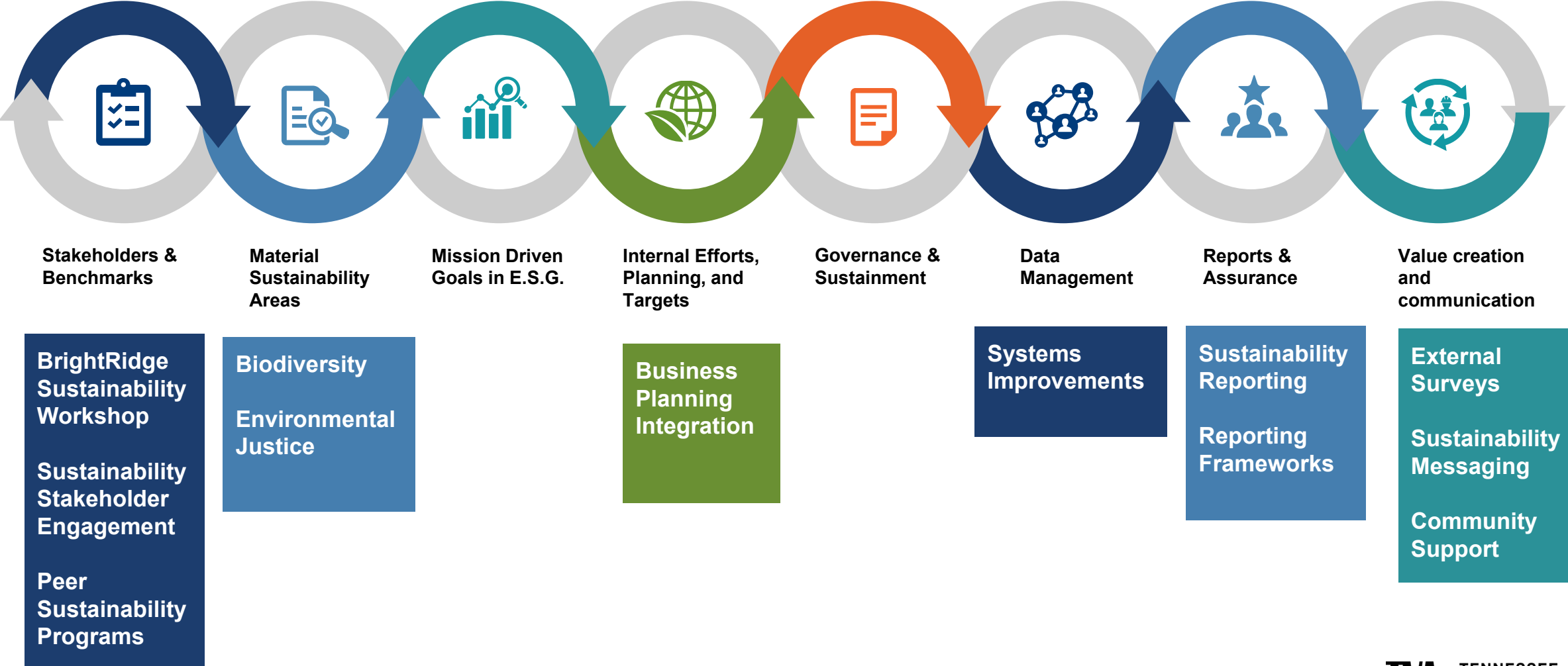
Sustainability for TVA means ensuring our ability to provide the people of the Tennessee Valley with low-cost and reliable electricity, a healthy environment, and a prosperous economy — without compromising the ability of future generations to do the same.

- Our sustainability objectives align with the United Nations' [Sustainable Development Goals](#) and the [Global Reporting Initiative](#) standards.
- The sustainability report provides a comprehensive view of TVA's progress as a business and community partner.
- Focus areas:
 - **Aspiring to Achieve Net-Zero**
 - **Economic Impact:** Partnering to Build the Region's Clean Energy Economy
 - **Environment:** Stewarding the Region's Resources
 - **Social:** Serving People and Communities Across the Region
 - **Governance:** Driving Progress through Accountability and Transparency



tva.com/sustainability

Sustainability Program Update



TVA Sustainability Priorities

Economic Impact

- Energy Affordability
- Reliability & Resiliency
- Jobs Created & Retained
- Flood & Drought Management
- Energy Innovations
- Renewable Energy
- Investor Relations
- Supplier Partners

Environment

- Habitat & Biodiversity Protection
- Climate Change & Resilience
- Air Quality
- Water Quality & Availability
- Waste Management
- Cultural Resource Management

Social

- Environmental Justice
- Health & Safety
- Community Vitality & Engagement
- Reservoir & Stewardship Benefits
- Local Power Company Partnerships
- Diversity & Inclusions
- Labor Relations
- Recruitment, Development and Retention
- Skilled Workforce Availability

Governance

- Transparency
- Board & Executive Diversity
- Systematic Risk Management
- Ethics
- Cyber & Physical Security
- Sustainable Financing Framework

Sustainability Reporting

- TVA will publish its 4th Sustainability Report in May 2023
- Update reporting to incorporate best practices and feedback from previous reports and

Common Report Content:

- Letter from CEO
- Internal oversight
- Board oversight
- Materiality Assessment
- Data tables
- DE&I
- External Assurance
- Third-party disclosure frameworks

TVA's Sustainability Report

- Expand data disclosures
- Maintain alignment with GRI and SASB
- Expand align with UN Sustainability Development Goals, TCFD and CDP
- Increase linkages to other TVA reports
- Provide PDF and web-based report

Sustainability Engagement

Objectives are to increase stakeholder knowledge and awareness of TVA's current sustainability/ESG efforts, identify sustainability priorities and potential areas for collaboration and build the network of stakeholders to engage around sustainability and ESG



External Engagement Goals



1

To understand the current state of external stakeholder knowledge and awareness of sustainability and ESG efforts at TVA

2

To identify sustainability priorities and potential challenges and areas of growth for external stakeholders

3

To understand how TVA can collaborate with stakeholders on sustainability and ESG initiatives

We asked a standard set of questions aimed at understanding how different groups view sustainability in their operations



Roles and Responsibilities

Tell us about your role and current level of engagement with sustainability and/or ESG. How would you rate that level of engagement?



Terminology

What do you think of when you hear the terms “sustainability” and “ESG”? Are you familiar with either of them, one, or both? If you are familiar, do you use them interchangeably, or differently?



Current Initiatives

Does your community/organization have sustainability or ESG goals, programs, or initiatives? What are you hearing from citizens/businesses about support they need from you?



Awareness of TVA Sustainability & ESG

In its 2021 Sustainability Report, TVA highlights its sustainability aspirations and progress, including environmental activities, social and economic initiatives, and governance-related topics. How would you rate your level of awareness of TVA's sustainability aspirations and initiatives?



Vision

From your perspective, what are the top sustainability or ESG priorities for your organization/stakeholder group?

(Example Questions)

Who did we engage?

<u>LPCs</u>	<u>Municipalities</u>	<u>Direct Serve Customers</u>	<u>Environmental / Green Groups</u>	<u>Community Groups</u>	<u>Educational Institutions</u>	<u>Economic Development</u>
4County Electric Power Association	City of Tupelo, MS	Olin Corporation	RRSC/RERC *	Tristate Minority Supplier Development Council	Vanderbilt University	Lawrence County Chamber of Commerce
Blue Ridge Mountain Electric Membership Corporation	City of Chattanooga, TN	Packaging Corporation of America	Citizens Climate Lobby	Mainstream Development Corporation Inc.	Middle Tennessee State University	TVA Internal Economic Development
Bowling Green Municipal Utilities	City of Rockwood, TN		TN Environmental Council	Minority Economic Development Initiative	Roane State Community College	The Shoals Economic Development Authority
Upper Cumberland Electric Membership Corporation	Cherokee County, NC *		Appalachian Voices	Pathway Lending	East Tennessee State University	Maury County Chamber of Commerce
Decatur Utilities *	City of Memphis, TN *		Sierra Club		University of Tennessee Knoxville	
	City of Knoxville, TN *		Tennessee River Valley Association *			
			Tennessee-Cumberland Waterways Council *			
			Watershed Association of the Tellico Reservoir			

* Engaged via RERC/RRSC Webinar

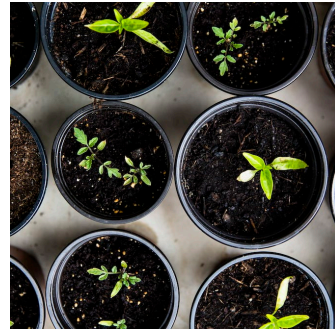
External Engagement Summary

Interviews with external stakeholders uncovered these primary overarching priorities.



Affordability and Reliability

Keep affordability and reliability top of mind when transitioning to greener and renewable power; lead the conversation with these topics.



Sustainable Community Engagement

Provide education and outreach on sustainability and TVA's activities; provide and promote communication channels to help communities grow sustainably



Workforce Development Support

Support stakeholders looking to grow their businesses sustainably and respond to changing needs of the workforce

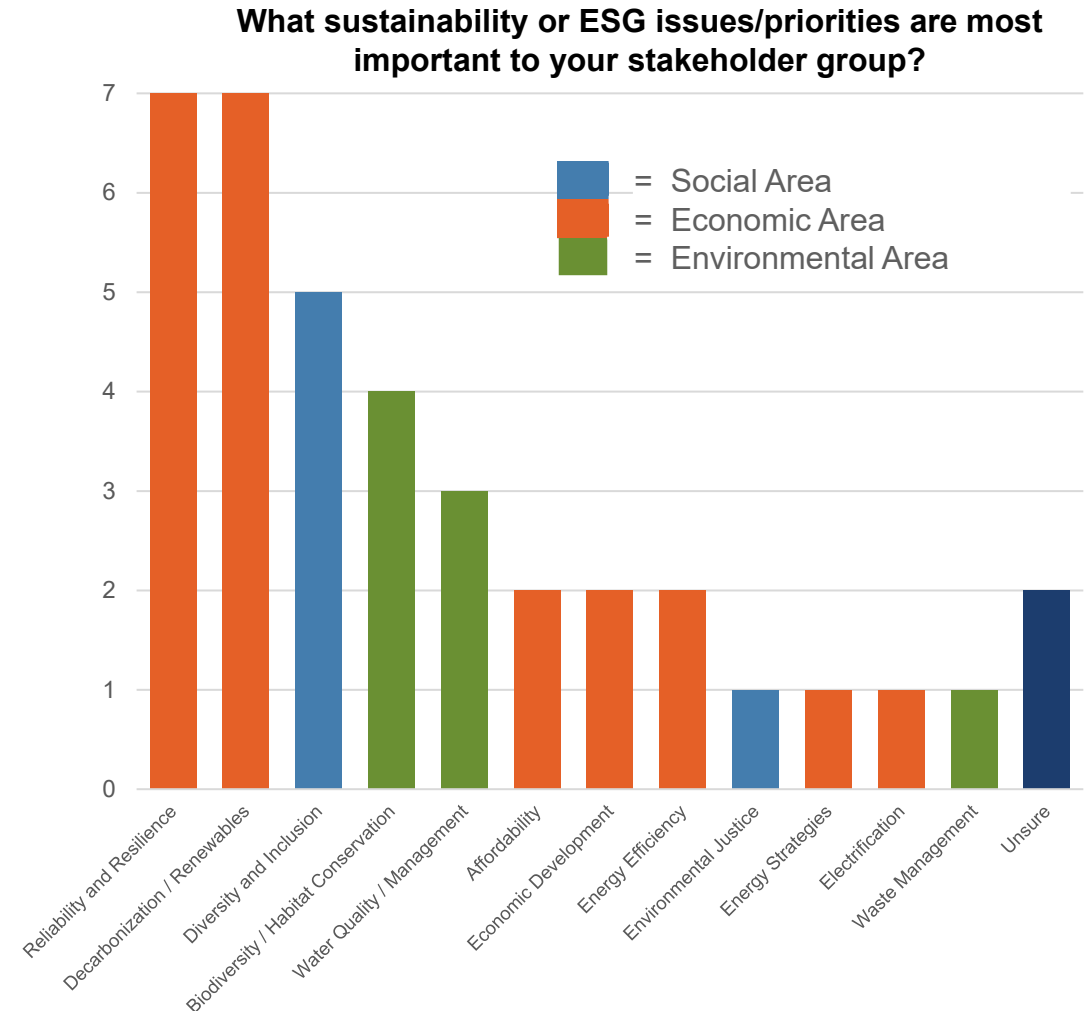


A Seat at the Table for External Stakeholders

Allow external stakeholders an opportunity to engage in TVA's sustainability planning and decision-making process

High-Level Guidehouse Sustainability FAC Survey Results

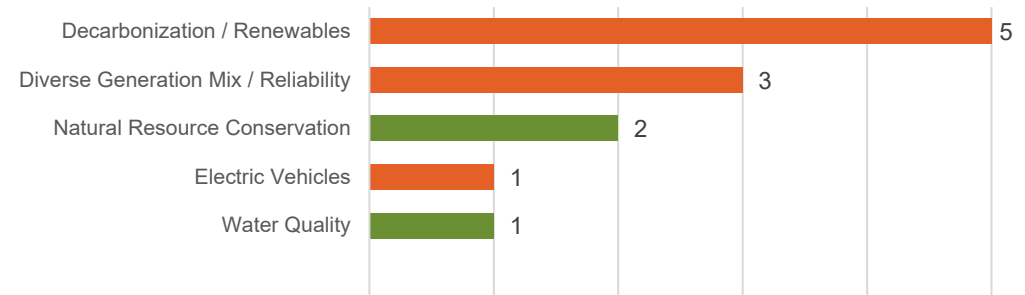
- Most respondents reported that their organizations are very engaged with sustainability (average: 4.2 / 5), that they are very aware of TVA sustainability programs (4.4 / 5), and that their stakeholder group is very aligned with TVA sustainability priorities (4.1 / 5).
- The sustainability issues frequently reported as most important to respondents' stakeholder groups were reliability and resilience (7 responses), decarbonization (7), diversity and inclusion (5), and biodiversity and habitat conservation (4).
- 7 out of 11 respondents identified the availability of funding, human resources, and/or time as a major challenge in building their organization's sustainability program. Other frequently identified challenges were navigating legislation or politics (3 responses) and generating stakeholder buy-in (2).



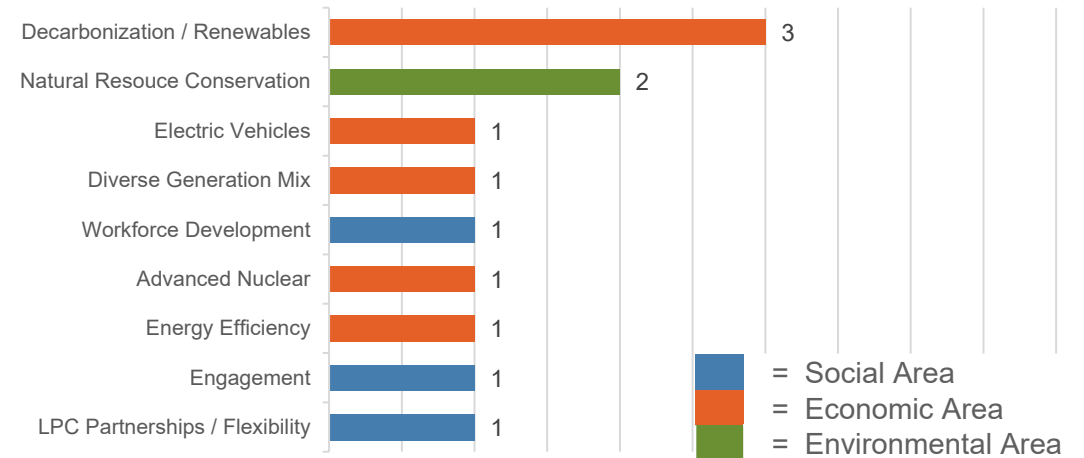
High-Level Guidehouse Sustainability FAC Survey Results

- Respondents feel that TVA is making strides in decarbonization (5), reliability and diversity of the generation mix (3), natural resources conservation, and electric vehicle deployment; but several of these topics are also frequently mentioned as areas in which TVA could push further.
 - Overall, responses indicate that FAC stakeholders believe that TVA is doing well in sustainability but that there is an opportunity to do more.
- Common responses to questions regarding feedback from stakeholders and collaboration needs indicate improved outreach, education, and engagement as an opportunity for TVA. Outreach could improve the accessibility of sustainability-related programs and address concerns that renewables will impact energy cost and reliability.

Where do you feel TVA is making strides in terms of sustainability?



Where do you think TVA should be pushing forward more?



Internal Interview Goals



1

To understand the current state of stakeholder knowledge and awareness of sustainability and ESG efforts at TVA

2

To identify sustainability priorities and potential areas of growth

3

To understand how sustainability and ESG initiatives can be present in TVA's workforce

Internal Engagement Summary

Interviews with internal stakeholders uncovered these main takeaways for TVA to focus on.



Differentiation

Differentiate TVA's sustainability journey from utility and government peers



Common Understanding

Build a common understanding of what sustainability means



TVA's Story

Communicate TVA's sustainability story internally and externally



Changing Preferences

Define process for understanding and tracking changing demographic and consumer preferences around sustainability

Sustainability Engagement Next Steps

- Finalize Stakeholder Engagement Results and Recommendations Report using both internal and external stakeholder engagement results
- Synthesize external and internal results and identify potential actions and opportunities
- Continue conversations around ESG and Sustainability within TVA and with external stakeholders

Questions

TVA Sustainability

Today. Tomorrow. Together.

Rebecca Tolene
November 3, 2022

BREAK

Tennessee Valley Authority Biodiversity Policy Update: Species Conservation in an Increasingly Developed World

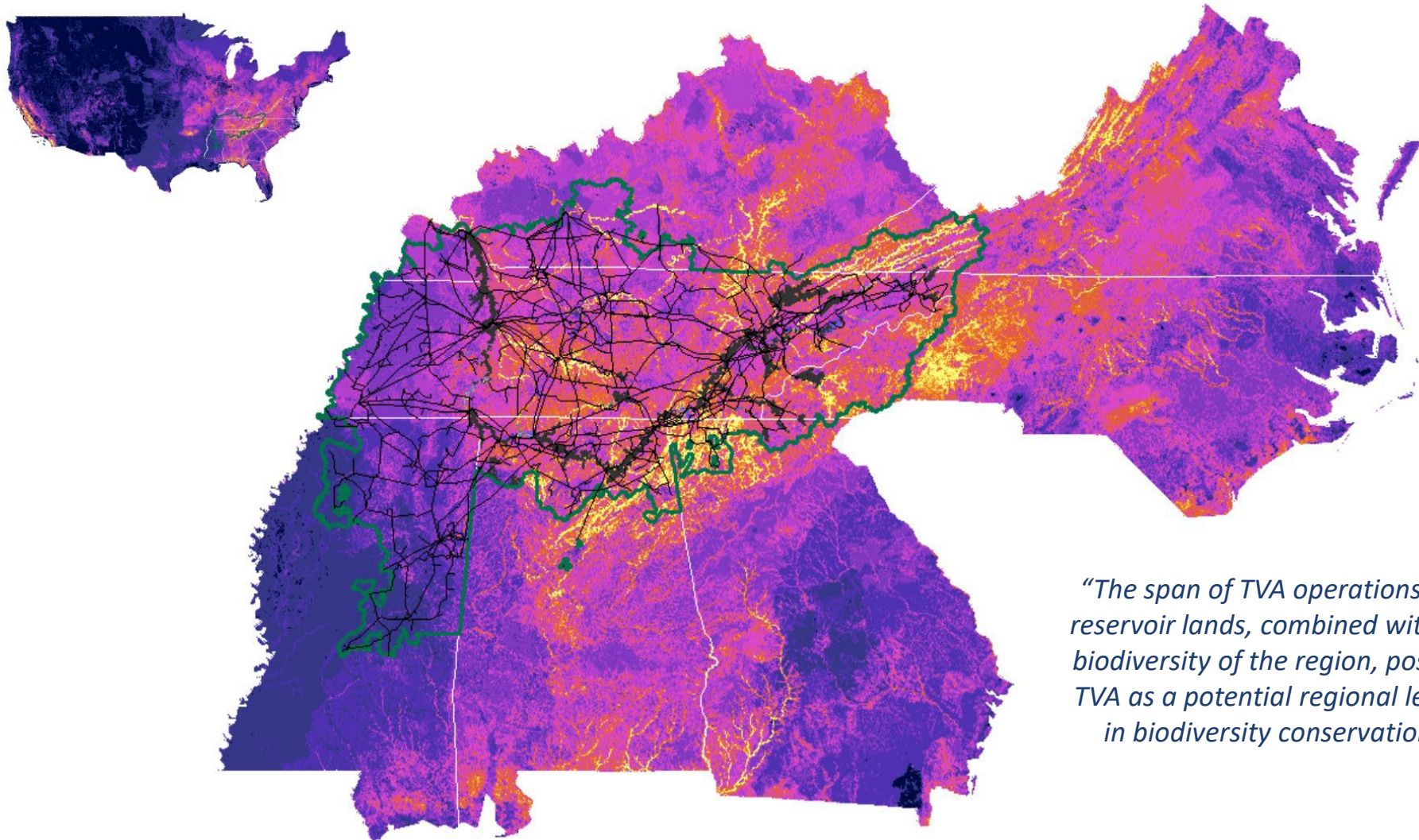
Adam Dattilo
Tennessee Valley Authority
November 3, 2022



© JON MICHAEL MOLLISH 2019



Biodiversity in the TVA region



"The span of TVA operations and reservoir lands, combined with the biodiversity of the region, position TVA as a potential regional leader in biodiversity conservation."

TVA Biodiversity Policy Statement – Board Approved November 2021

“TVA recognizes the importance of biodiversity to the quality of life of the region’s residents and we work to proactively protect biodiversity through stewardship of public lands, management of the Tennessee River system, local and regional partnerships, and integration of species and habitat conservation in project planning.”

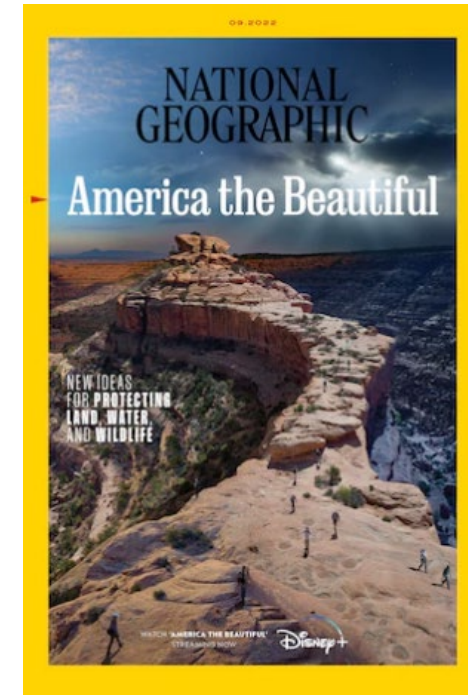


©roddamacker.com | conservation visuals



© JON MICHAEL MOULTON





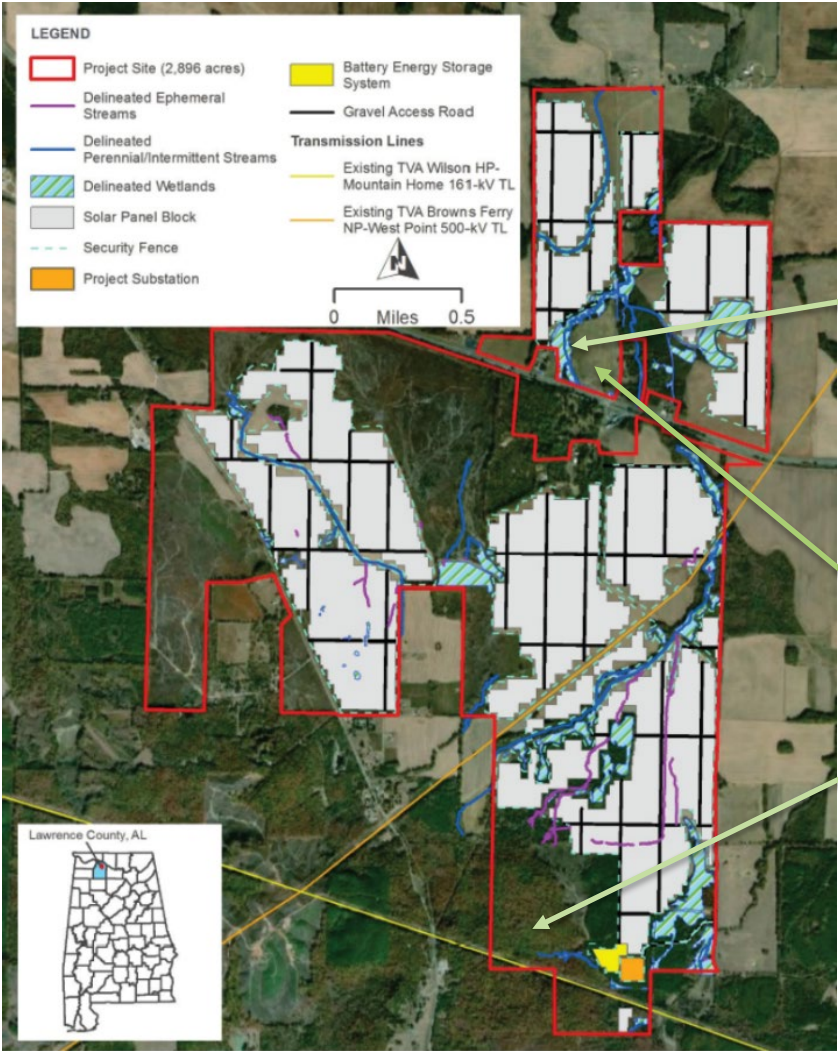
“If you want to do conservation everywhere, then you have to include places where people are using the land and sea to make money”

Biodiversity Policy In Action

- In fiscal year 2022 TVA Implemented 120 “biodiversity” projects!
- Includes Education and Outreach, Monitoring and Research, and On-The-Ground Conservation



Biodiversity Policy In Action



*Tuscumbia Darter
Enhancement*



*Pollinator
Planting &
Habitat
Restoration*





Tuscumbia darter
(*Etheostoma tuscumbia*)
Imperiled, ~6 populations



Round-rib Elimia
(*Elimia nassula*)
Critically Imperiled, less
than 5 populations



Tuscumbia darter
preferred habitat



Habitat
management
zone



Tuscumbia Darter in Wheeler Branch



- *Up to 150 acres of restored habitat*
- *In areas that can't be developed for solar*
- *Benefits multiple groups of species*
- *Aesthetics and pollination services*
- *Recreation component*
- *Negligible part of project budget*





May 2022 – Sample plot install



July 2022 – Baseline plant sampling



July 2022 – Baseline Tuscumbia darter sampling

Biodiversity Policy In Action: New Initiative

- Assess cost savings and biodiversity opportunities of planting trees and pollinator-friendly seed mixes on frequently mowed TVA properties
- Intra-agency partnership including contribution of expertise, equipment, and financial support from organizations across TVA



Biodiversity Policy in Action – Widows Creek



Biodiversity Policy in Action – Widows Creek



2009



2019

Biodiversity Policy in Action – Widows Creek



Old Coal Yard – August 2022



C&D Landfill - – August 2022

Biodiversity Policy in Action – Widows Creek



Site Preparation - September 2022

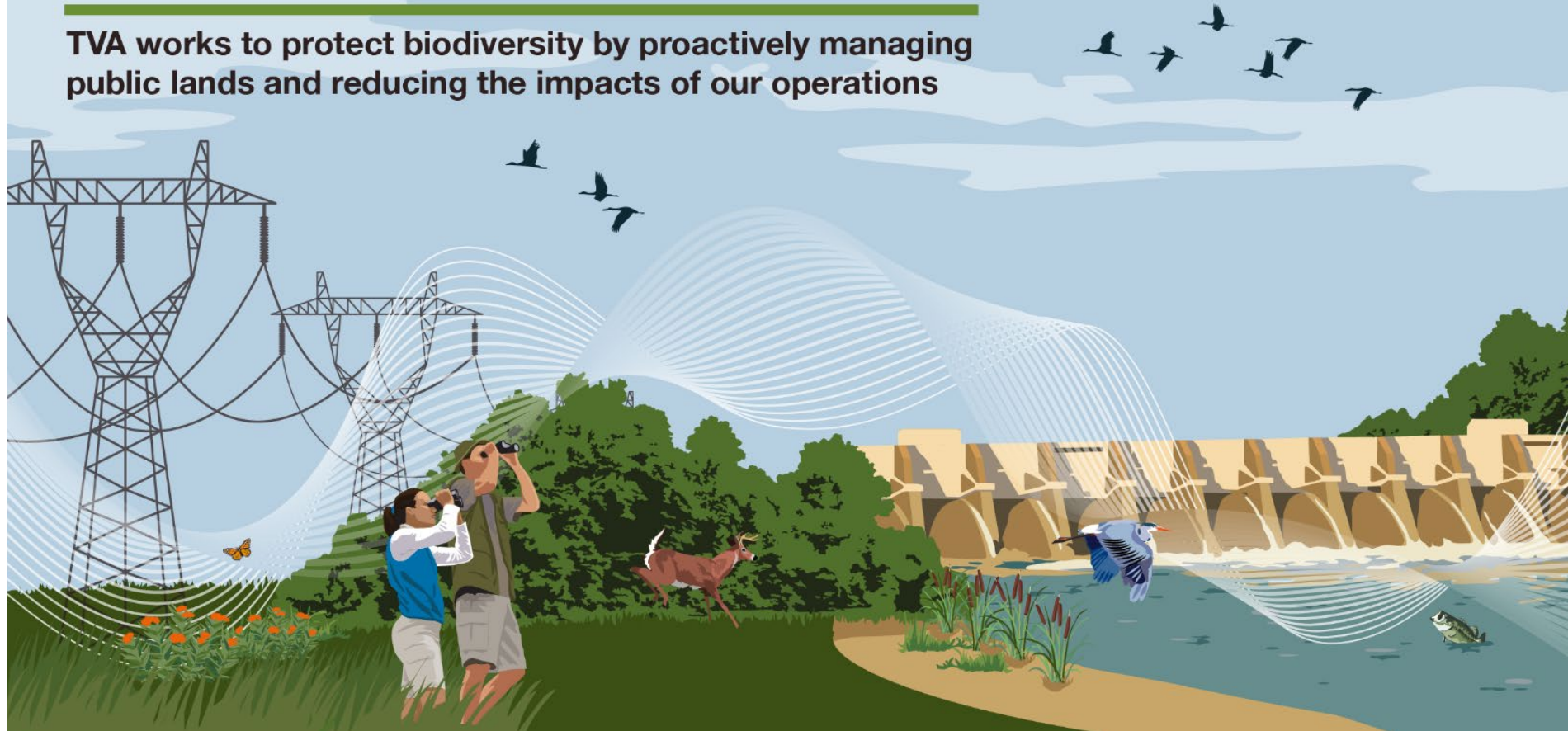
Biodiversity Policy in Action – Widows Creek End Goal



Biodiversity

TVA / Environment

TVA works to protect biodiversity by proactively managing public lands and reducing the impacts of our operations



Questions

Adam Dattilo
Tennessee Valley Authority
November 3, 2022



© JON MICHAEL MOLLISH

Environmental Justice Program

Rebecca Tolene, Janice Horn

November 3, 2022

TVA's Mission to Serve

- Founded in 1933 as part of the New Deal
- Non-profit Federal Corporation, the nation's largest Public Power provider
- Since its inception, TVA has worked to make life better for the people of the Tennessee Valley region.



PARTNERING
with **153**
Local Power
COMPANIES

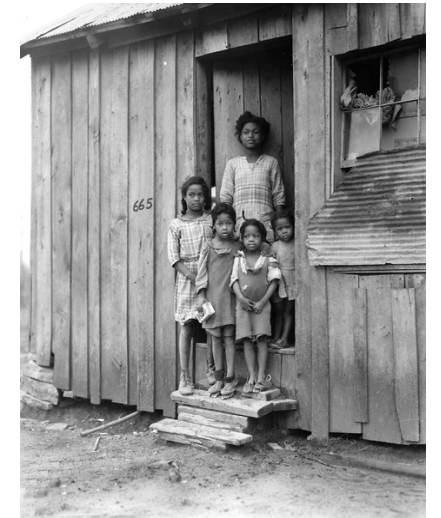
TO SERVE
10 **MILLION**
PEOPLE

700,000
Businesses
IN
PARTS
OF **7** **STATES**

Directly Serve
57
LARGE industries &
federal installations

History of the Tennessee Valley and the TVA

Before the TVA Act was signed in 1933, poverty devastated the lives of those within the Tennessee Valley. The region was subject to continual flooding of the Tennessee River which was non-navigable.



Decades of poor crop management exhausted the soil, resulting in erosion, nutrient depletion, and plunging crop yields.

Annual per capita annual income was only \$168--about 45 percent of the national average ([TVA, 2022](#))



Today...

- Power reliability at 99.999%
- Electric rates lower than 70 percent of the country
- Aspire to be Net Zero Carbon by 2050
- Manages 290k+ acres of public land
- Manages the Tennessee River System to minimize flood damage and for recreation, water quality and navigation
- In the Tennessee Valley, Economic Development with partners resulted in 341,000 jobs over \$45.4B in investment (last 5 years)

Improve Standards of Living



“ Power is really a secondary matter...TVA is primarily intended to *change* and to *improve* the standards of living of the people... ”

-President Franklin D. Roosevelt

What is environmental justice?

What is environmental justice?

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

–US ENVIRONMENTAL PROTECTION AGENCY

[EPA.GOV/ENVIRONMENTALJUSTICE](https://www.epa.gov/environmentaljustice)



Fair Treatment & Meaningful Involvement

Meaningful Involvement

- People have an opportunity to participate in decisions about activities that may affect their environment and/or health;
- The public's contribution can influence the regulatory agency's decision;
- Community concerns will be considered in the decision-making process; and
- Decision makers will seek out and facilitate the involvement of those potentially affected ([EPA 2022a](#)).

Fair Treatment

- No group of people should bear a disproportionate share of the negative environmental consequences resulting from industrial, governmental and commercial operations or policies ([EPA 2022a](#)).

Whose Backyard? Hazardous Waste Management Meeting and Environmental Injustice



National: What is the Justice40 Initiative?

The Justice40 Initiative was created by Executive Order 14008 under President Joe Biden on January 27, 2021.

Goal that at least 40 percent of the overall benefits from certain federal investments flow to disadvantaged communities.

Areas of investments include:

- Climate Change
- Clean energy and energy efficiency
- Clean transit
- Affordable and sustainable housing
- Training and workforce development
- Remediation and reduction of legacy pollution
- Development of critical clean water infrastructure

TVA and Environmental Justice

Fiscal Year 2022 TVA EJ Program Accomplishments



Environmental Justice Core Team

The **Environmental Justice Core Team** frames roadmaps, guides priorities, helps set communications, and holds membership on the Regulatory & Policy Team.

Environmental Justice Regulatory & Policy Team

The **Environmental Justice Regulatory & Policy Team (EJRPT)** is tasked with communicating and tracking emerging Environmental Justice policy issues, sharing progress on development of agency policy positions, and acting as a forum for communicating Environmental Justice policy strategies.



Environmental Justice Key Message Document

The Environmental Justice Key Message Document provides a central set of common talking points and definitions for TVA staff to ensure enterprise-wide alignment on what Environmental Justice means for TVA.



ONGOING

Environmental Justice Training Storyboard & Learning Module

The Environmental Justice Training Storyboard & Learning Module are designed to improve literacy & increase awareness of environmental justice within TVA.



NEAR
COMPLETION

Environmental Justice Mission Statement

Developed a draft Environmental Justice Mission Statement to state TVA's commitment to Environmental Justice.

Fiscal Year 2022 TVA EJ Program Accomplishments



What's New: Weekly Update of National Headlines Surrounding Environmental Justice Issues

The *What's New* newsletters are published weekly to provide updates on national, regional and local headlines surrounding environmental justice issues.



Responses to Office of Management and Budget Memorandums

Developed and submitted responses on behalf of TVA to Office of Management and Budget's (OMB's) Memorandum M-21-29, Interim Implementation Guidance for the Justice40 Initiative, as required by Executive Order 14008 – Tackling Climate Change at Home and Abroad in September 2021 and December 2021.



Responses to the White House Environmental Justice Advisory Council's May 2021 Recommendations

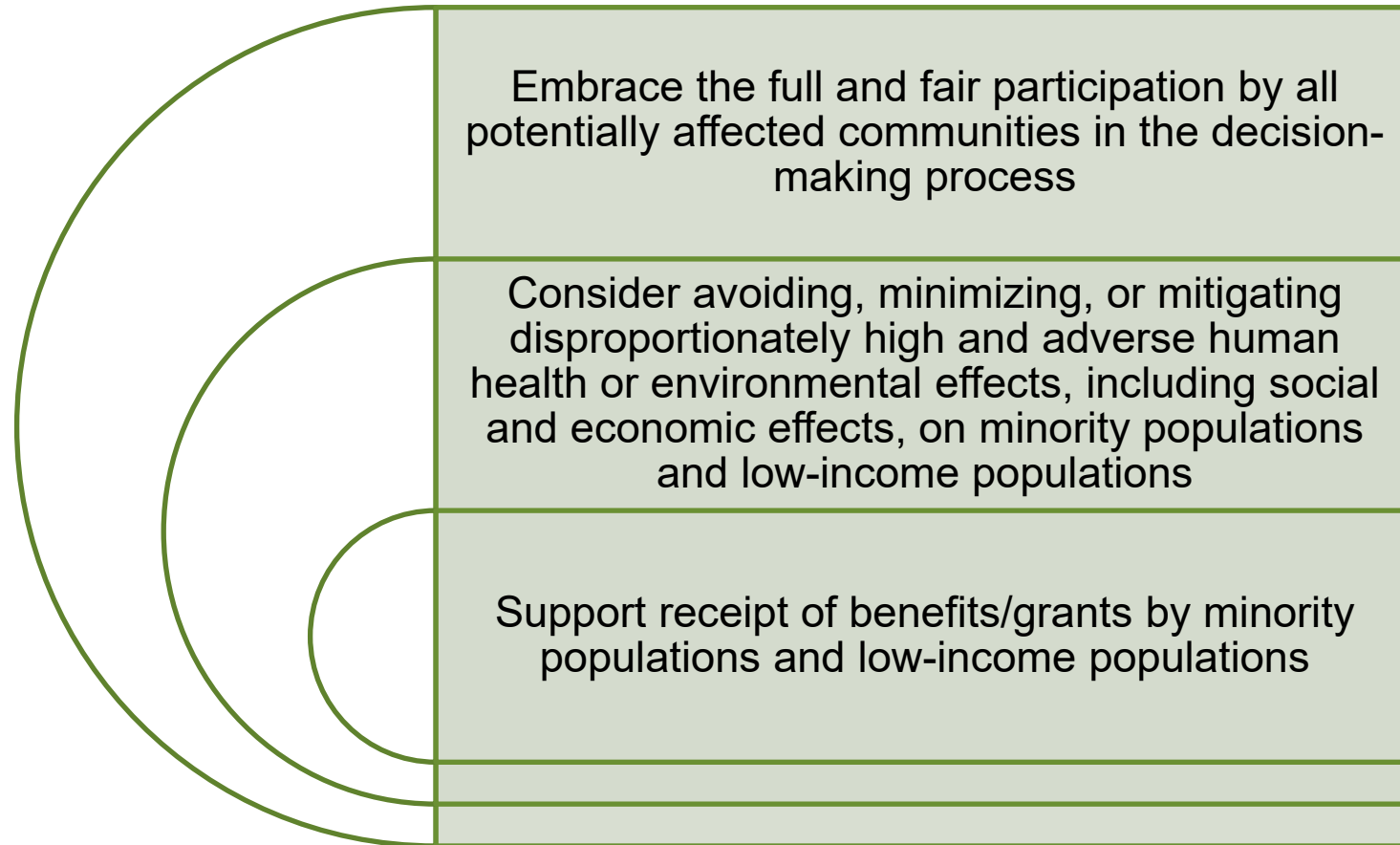
Developed and submitted on behalf of TVA a response to the White House Environmental Justice Advisory Council's May 2021 Recommendations. Response submitted to Council on Environmental Quality (CEQ) in April of 2022.



Environmental Justice Community Outreach Enhancement

Enhanced Environmental Justice Outreach Plan.

TVA Approach to EJ (early)



What is a disadvantaged community?

A disadvantaged community may include one or more of the following variables (list is not inclusive of all variable to be considered):

- Low income; high persistent poverty
- High unemployment or underemployment
- High housing cost burden and/or substandard housing
- High transportation burden and/or low transportation access
- High energy cost burden and low energy access*
- Disproportionate impacts from climate change
- Access to healthcare
- Job lost through the energy transition

Screening tools available and getting better and better- example EPA EJ Screening Tool

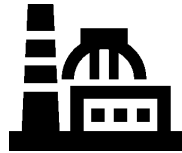
TVA Programs (examples)



Home Uplift

Provides home energy efficiency upgrades for families in need

Launched in 2018 and as of FY2021, TVA has weatherized over 700 homes



Building Futures Initiative

Increases minority participation in TVA's Quality Contractor Network



School Uplift (SUP)

Helps public schools across the Valley reduce energy waste and improve learning environments



Community Centered Growth (CCG)

Helps local businesses in underserved communities make smart energy choices that save money and lead to decreased energy use, improved facilities, and reduced carbon emissions

Environmental Justice Community Engagement

Current Engagement for Environmental Reviews of a Proposed Project:

- Hosting in-person meeting in environmental justice community
- Meeting with local leaders and community action groups
- Distributing fact sheets and information to local schools and local community action agencies
- Partnering with our Local Power Companies to distribute information
- Providing targeted direct mailings to environmental justice households near the Project
- Providing phone numbers in lieu of website addresses
- Sending hardcopy materials directly to homes when requested



Fiscal Year 2023 TVA EJ Program Initiatives



Meeting People Where They Are

To engage with the community and to build meaningful relationships and partnerships with stakeholders.



Finalize Environmental Justice Mission Statement

Finalize the Environmental Justice Mission Statement currently under review by management.



Finalize Environmental Justice Key Message Document

Finalize the Environmental Justice Key Message document currently under review by management.



Environmental Justice Training Module

The first draft of the Environmental Justice Training Module is complete. Coordinate with the Sustainability Team to enhance messaging.



Environmental Justice Best Practices Document

Continue development of the Environmental Justice Best Practices Document.

Questions

Environmental Justice Program

Rebecca Tolene, Janice Horn

Transforming energy assistance through innovative partnerships

RERC/RRSC Meeting

Frank Rapley

TVA

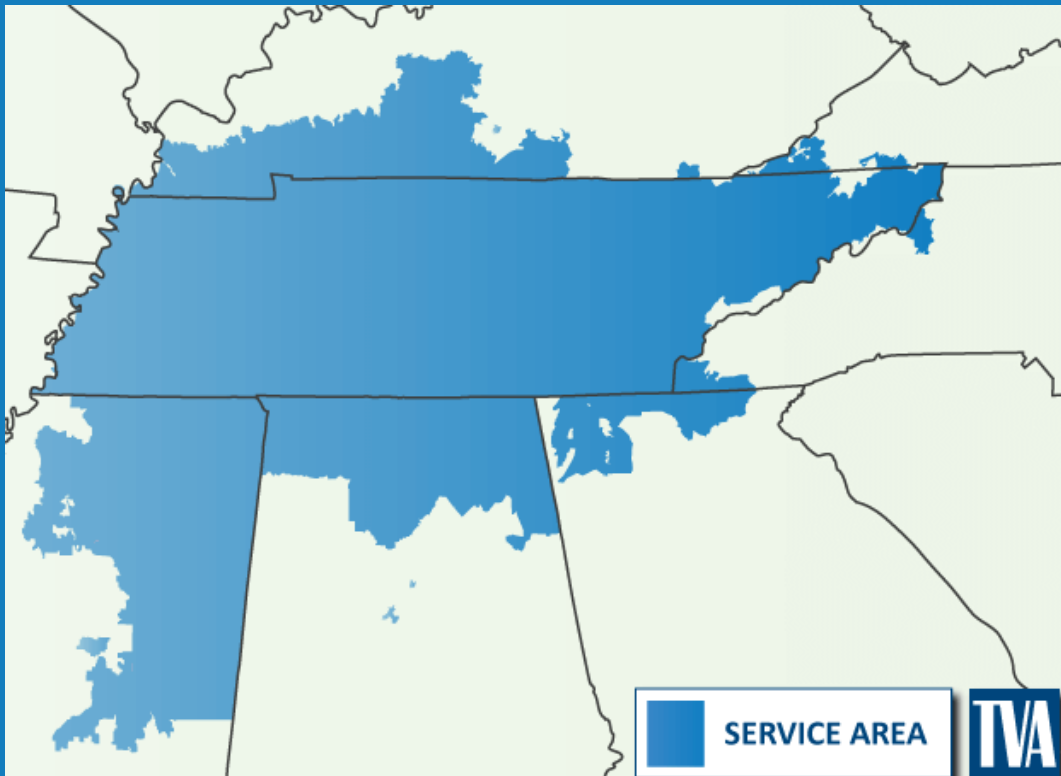
November 3, 2022

Nashville, TN

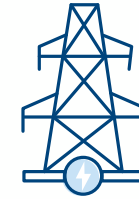


ABOUT TVA

Powering the Tennessee Valley



IMPROVING QUALITY OF LIFE



Energy



Environment

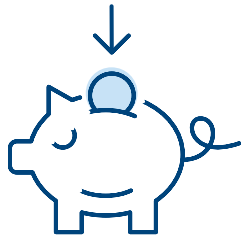


**Economic
Development**

A man with dark hair and a slight beard is holding a young girl with dark hair in pigtails. They are in a kitchen, and the man is pointing at a smart thermostat on the wall. The girl is looking at the thermostat with interest. The background shows a kitchen with a wooden table and chairs.

TVA history: path to equity

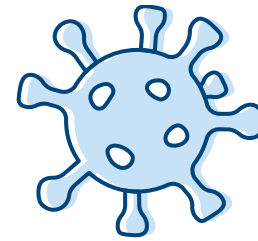
Addressing the need



Household incomes
in the southeast fall
well below the
national average



Energy burdens
are among the
highest in the
country



Impacts of COVID
have worsened the
economic situation
for many energy-
burdened families



Energy assistance
addresses
immediate needs,
but does not solve
long-term energy
affordability issues

HOW WE GOT HERE

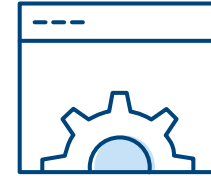
Program evolution



**Extreme Energy
Makeovers (EEM)
2015 - 2017**



**Stakeholder engagement
led to the Energy
Efficiency Information
Exchange (EEIX)
2017 - 2019**



**Home Uplift pilot
study:
2017-2019**

**\$13 million invested
1300+ homes
5+ GWh saved**



Home Uplift's vision

A sustainable, equitable low-income energy efficiency and educational program deployed across the Tennessee Valley - in partnership with local power companies, healthcare partners and community-based organizations - that reduces energy burdens for residents in need.

Eligible Home Uplift upgrades



HVAC Systems



Duct Systems



Attic & Wall
Insulation



Windows & Doors



Water Heating



Lighting



Air Sealing



Refrigerators

INNOVATIVE PARTNERSHIPS

Partnership-driven funding model



INNOVATIVE PARTNERSHIPS

Powering transformation

- **Local power companies**
- **Local and state government agencies**
- **Housing agencies**
- **Competitive grants (Federal Home Loan Bank, etc.)**
- **Charitable giving**
- **Local nonprofits**
- **Community action agencies**
- **Workforce development opportunities**

BY THE NUMBERS*

Home Uplift results

4,000+

HOMES
UPGRADED

\$10,000

AVERAGE COST
PER RETROFIT

43

PARTICIPATING
LPCs

\$42.8M

LOCAL + TVA
MATCHING
FUNDS

*As of September 30, 2022



Building the workforce

**Partnering with organizations that are successful
in workforce development programs builds the
pool of qualified candidates.**

INNOVATIVE PARTNERSHIPS

Goodwill Industries of Middle Tennessee

- Integrate building science and weatherization into training program
- Strengthen the pipeline for energy efficiency and construction jobs in Middle Tennessee
- Support our Quality Contractor Network by growing workforce skills and experience





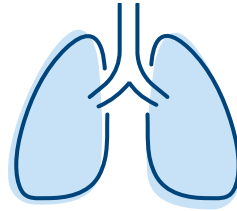
Verifying impacts

Funding research to quantify non-energy benefits will show the positive health impacts on Home Uplift participants.

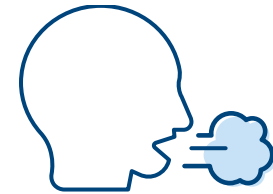
Quantifying effects on social determinants of health (SDH)



TVA is working to measure Home Uplift outcomes beyond traditional utility EM&V



Knoxville-based research firm Three³ has studied the program's effects on SDH



SDH studied include asthma, COPD, thermal stress, trade-offs to paying energy bills, and quality of life

Three³ Preliminary Findings

- Households no longer worry about having to heat or cool their homes
- Exposure to extreme temperatures was significantly reduced after the upgrades: 40% reduction to heat and 37% reduction to cold
- The total number of medical interventions for participants decreased more than the control group at a statistically significant level





Expanding access

Partnering with organizations that are deeply rooted in underserved communities will make Home Uplift more diverse and equitable across the Valley.

INNOVATIVE PARTNERSHIPS

Centro Hispano de East TN

- Case management to walk through every step
- Recommendations to increase accessibility to non-English speaking people
- Building trust in a community



INNOVATIVE PARTNERSHIPS

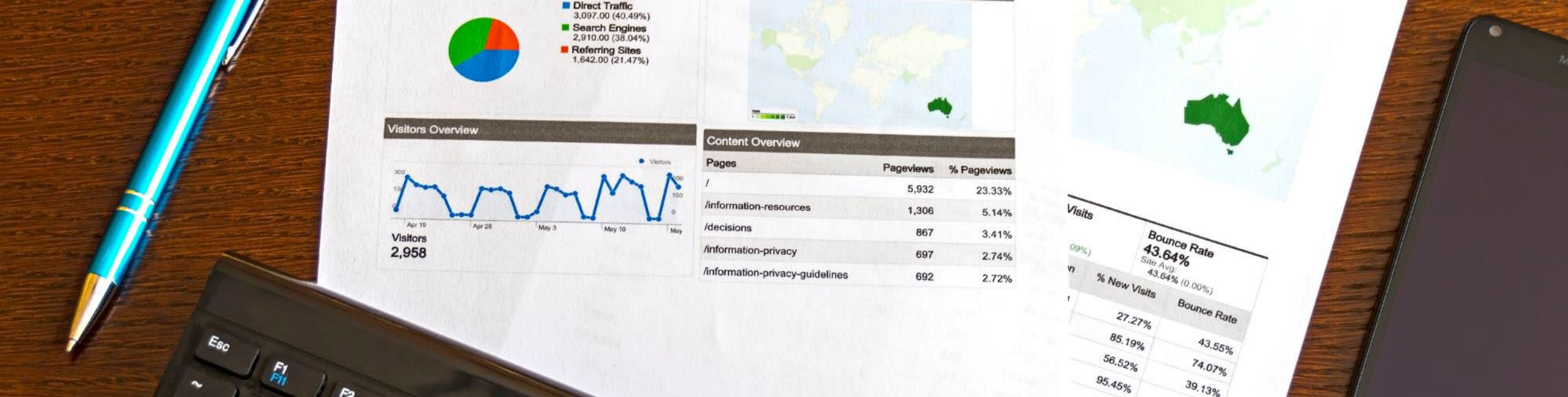
Knoxville Utilities Board (KUB)

- Adjusting identification requirements
- Adjusting deposit policies
- Training staff at all levels to understand and implement changes to all customers



Plans for the future





Future TVA activities

- Work with State of Tennessee to link study participants with TennCare claims for actual healthcare interactions and costs
- Research Home Uplift Program SDOH in Tennessee's distressed rural counties, including TennCare data
- Guide LPCs and community-based organizations to further Home Uplift's reach
- Create a partner portal and online application

Questions

Home Up Lift

Thank you!

Frank Rapley

Senior Manager

Tennessee Valley Authority
EnergyRight® Residential
Commercial Energy Solutions

fmrapley@tva.gov

Recap EJ

Advice Questions

Advice Questions

- TVA has invested additional resources and attention toward improving identification and partnership with environmental justice communities. Do you believe this investment of time and resources is worthwhile, and should TVA continue to invest in these areas? If yes, why do you see this investment as valuable?
- Our environmental justice program aims to promote respectful forms of collaboration and to provide a voice to environmental justice communities. Do you have any feedback or additional tools you believe TVA should consider in its environmental justice program? What techniques have been effective in communicating with and building relationships with environmental justice communities in your region?
- When interacting and listening to EJ communities, TVA receives comments regarding social issues and concerns unrelated to a TVA project or outside of our statutory purpose. Are there specific organizations in your communities that you believe TVA should work with so these interactions are captured and shared?

BREAK

Advice Questions Discussion

Advice Questions

- TVA has invested additional resources and attention toward improving identification and partnership with environmental justice communities. Do you believe this investment of time and resources is worthwhile, and should TVA continue to invest in these areas? If yes, why do you see this investment as valuable?
- Our environmental justice program aims to promote respectful forms of collaboration and to provide a voice to environmental justice communities. Do you have any feedback or additional tools you believe TVA should consider in its environmental justice program? What techniques have been effective in communicating with and building relationships with environmental justice communities in your region?
- When interacting and listening to EJ communities, TVA receives comments regarding social issues and concerns unrelated to a TVA project or outside of our statutory purpose. Are there specific organizations in your communities that you believe TVA should work with so these interactions are captured and shared?

LUNCH

**Meeting resumes at
2:45 PM CST**

**if online, see Chat for link to go to
either RERC or RRSC room for the
2:45- 4:15 session**

FAC Meeting Requirements

Jennifer Brundige, Attorney, TVA General Counsel Office

Kendra Mansur, Attorney, TVA General Counsel Office

Nov. 3, 2022

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

Welcome

RERC Advice Statement

RRSC Advice Statement

Closing Remarks

Drive Safely!

An aerial photograph of a river valley. A large river flows through the center, curving to the right. On the left bank, there is a city with various buildings and a large industrial or commercial area. A multi-lane highway with several overpasses and ramps runs along the right bank of the river. The foreground is filled with dense, green forest. The sky is overcast with grey clouds.

TVA TENNESSEE VALLEY AUTHORITY



**TENNESSEE
VALLEY
AUTHORITY**