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# TVA Allen Fossil Plant Project Update

August 1, 2021

*Deliberative and Pre-Decisional*



# Our Mission of Service

SERVING THE PEOPLE OF MEMPHIS



## TVA'S COMMITMENT TO MEMPHIS

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We are a community partner committed to working together with the people we are privileged to serve.



## SAFE & SECURE MANAGEMENT OF COAL ASH

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We will continue to safely manage coal ash and protect the Memphis aquifer as we restore the Allen site for the future benefit of the community.



## OUR PATH FORWARD

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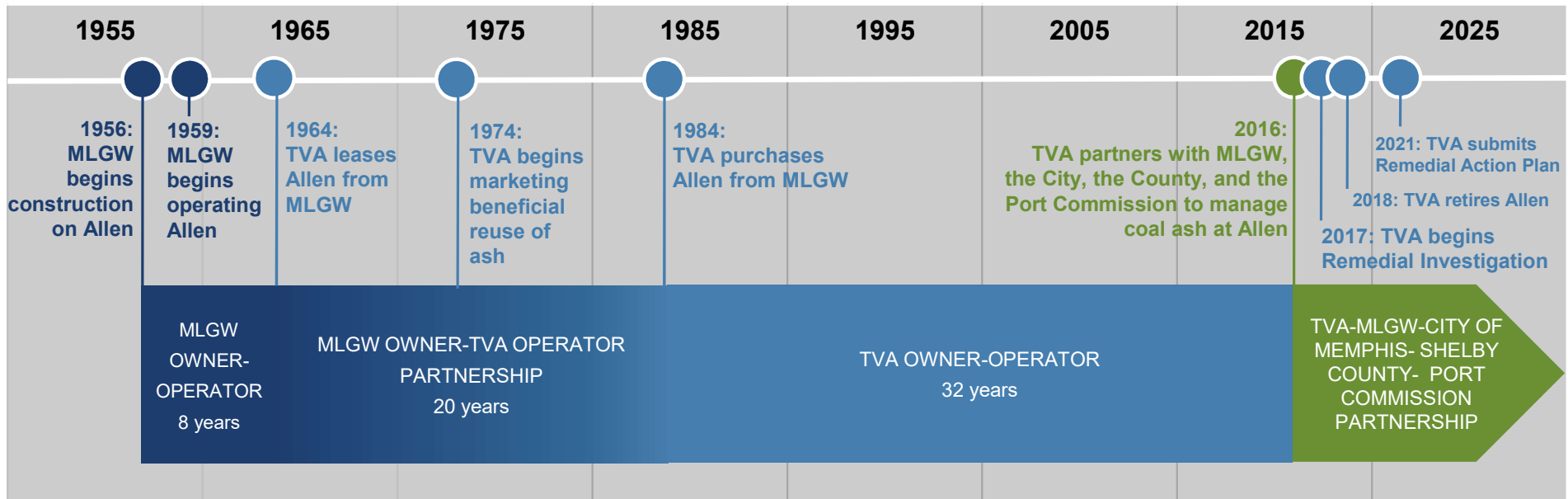
We will listen and engage with our neighbors and work together with our community partners to restore the Allen site for the future benefit of the community.



# Our Historical Partnership & Shared Responsibility

WORKING TOGETHER TO BENEFIT THE PEOPLE OF MEMPHIS

MLGW, the City of Memphis, Shelby County, the Port Commission, and TVA have a partnership in producing, managing, and storing coal ash to generate power for the benefit of the people of Memphis.





# Our Site Partnership & Shared Responsibility

WORKING TOGETHER TO BENEFIT THE PEOPLE OF MEMPHIS

The partnership between TVA, MLGW, the City of Memphis, Shelby County, and the Port Commission is reflected in the site itself.

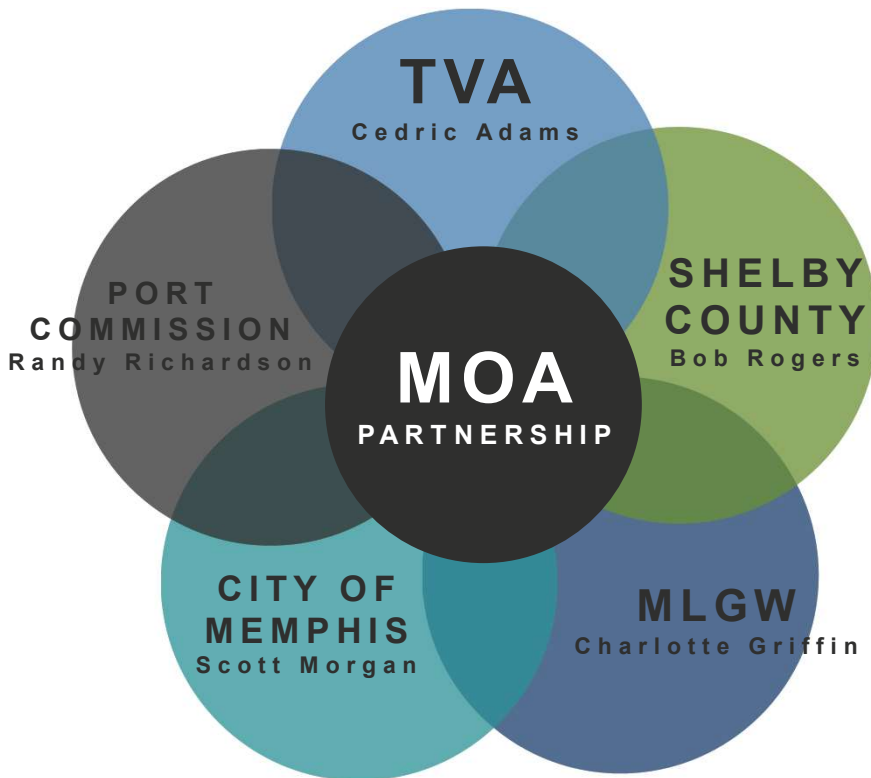


WEST ASH DISPOSAL AREA	ALLEN FOSSIL PLANT	EAST ASH DISPOSAL AREA
The <b>City</b> and <b>MLGW</b> hold fee title to the pond and the ash.	<b>TVA</b> owns the fossil plant and manages the ash.	<b>City</b> and <b>County</b> hold fee title. The <b>Port Commission</b> owns the ash.



# Memorandum of Agreement (MOA)

OUR TEAM MEETS QUARTERLY TO DISCUSS THIS PROJECT



- A mechanism for TVA and Local entities to meet their responsibilities under the EPA Coal Ash Rule and TDEC Order
- Local entities agree to support TVA's implementation activities
- Each entity was to designate a single-point of contact for implementation
- TVA agreed to update the entities quarterly about implementation activities
- Updates have been ongoing since 2016



# Community Engagement

TVA IS TAKING TIME TO DO MORE

40+



TVA has participated in Community Engagement Events since 2018

OPEN HOUSES • LUNCH & LEARNS • COMMUNITY ORGANIZATION MEETINGS • NEIGHBORHOOD ASSOCIATIONS • LOCAL FESTIVALS • TDEC MEETINGS • TVA SPONSORED COMMUNITY EVENTS • INFORMATION SESSIONS • SITE TOURS • VIRTUAL OPEN HOUSE • MEDIA ENGAGEMENTS & INTERVIEWS • AND MORE

1100+

Community members engaged through in-person and online engagements

MLGW • WALKER HOMES NEIGHBORHOOD ASSOCIATION • SIERRA CLUB FRIENDS OF THE MEMPHIS AQUIFER • BOX TOWN COMMUNITY ASSOCIATION • TDEC • WESTWOOD NEIGHBORHOOD ASSOCIATION • CITY OF MEMPHIS • PORT COMMISSION • TVA EMPLOYEES • CONSULTANTS • LEGISLATIVE DELEGATES • ECONOMIC DEVELOPMENT REPRESENTATIVES • AND MORE

## COMMUNITY INPUT ON KEY ALLEN DECISIONS

Community Engagement

Health and Safety Plan

Remedial Action Plan

Closure Methodology

Aquifer Protection

Site Reuse

Landfill Selection



# Landfill Selection Process

THE SOUTH SHELBY LANDFILL IN CAPLEVILLE, TN

## BENEFITS OF THIS SITE INCLUDE

- 01** **LOWEST ENVIRONMENTAL IMPACTS**  
Shortest transport distance results in lowest greenhouse gas emissions
- 02** **LOWEST HUMAN IMPACTS**  
Shortest transport route reduces opportunities for vehicular accidents and largely moves through industrial areas
- 03** **POSITIVE LOCAL ECONOMIC IMPACT**  
Transport and placement jobs will remain within the region with our community partners
- 04** **LEVERAGE EXISTING RESOURCES**  
Allen ash will utilize 27 acres of an existing 350-acre permitted landfill in Shelby County



**7.7%**  
Ash from Allen



# Our Path Forward

TVA IS COMMITTED TO WORKING WITH OUR COMMUNITY PARTNERS TO RESTORE THE SITE



## WE WILL CONTINUE TO BE YOUR COMMUNITY PARTNER

We will continue to work collaboratively with MLGW, the City of Memphis, Shelby County, and the Port Commission to restore the Allen site for the future benefit of the community.

## WE WILL CONTINUE TO ENGAGE WITH THE PEOPLE WE SERVE

Regular Updates to City Council • Focused Listening Sessions • Virtual Community Meetings • Open Invitation to City Council Members for Facility Tours • Community Feedback to TVA Via Website and Email

## WE WILL CONTINUE TO WORK TOWARDS OUR SHARED OBJECTIVE TO SAFELY REMOVE THE ASH AT ALLEN

Comprehensive Health & Safety Plans • Cutting-Edge Technology for Ash Excavation • Material Moisture Control • Safe Transport • Placement in an Existing, Lined, State-of-the-Art Landfill





*Deliberative and Pre-Decisional*



# Safe & Secure Management of Coal Ash

PROTECTING THE PEOPLE OF MEMPHIS, THE WORKERS, & THE MEMPHIS AQUIFER

## COAL ASH MANAGEMENT SAFETY IN EVERY STEP



### REMOVAL

Comprehensive Health & Safety • Air Monitoring Program • Excavation • Dust Control Program



### PLACEMENT

Industrial Location • Special Waste Permit • Lined Landfill • Leachate Collection System • Protective Cover • Groundwater Monitoring



### TRANSPORT

Specialized, Side-Load, Covered Trucks • Truck Wash • Traffic Management • Industrial & Commercial Route



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# Landfill Aerial

INDUSTRIAL LOCATION





# Landfill Aerial

MATERIAL PLACEMENT

