



# West Virginia Purchasing Division

2019 Washington Street, East  
Charleston, WV 25305  
Telephone: 304-558-2306  
General Fax: 304-558-6026  
Bid Fax: 304-558-3970

The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at [wvOASIS.gov](http://wvOASIS.gov). As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at [WVPurchasing.gov](http://WVPurchasing.gov) with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header 1

List View

- General Information**
- Contact
- Default Values
- Discount
- Document Information
- Clarification Request

Procurement Folder: 1921288

Procurement Type: Central Master Agreement

Vendor ID: VS0000052393

Legal Name: Volant EcoServices, LLC

Alias/DBA:

Total Bid: \$282,600.00

Response Date: 05/19/2026

Response Time: 13:23

Responded By User ID: Volant

First Name: Mary

Last Name: Gilmore

Email: info@volant.llc

Phone: 4405220067

SO Doc Code: CRFQ

SO Dept: 0313

SO Doc ID: DEP2600000036

Published Date: 5/8/26

Close Date: 5/19/26

Close Time: 13:30

Status: Closed

Solicitation Description: AML - Potential Hibernacula Surveys - AML Sites Southern Reg

Total of Header Attachments: 1

Total of All Attachments: 1



Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Hibernacula Survey, based on per site, per night	20.00000	EA	6665.000000	133300.00

Comm Code	Manufacturer	Specification	Model #
77111507			

**Commodity Line Comments:** 6,665\*20 =\$133,300  
5 calendar days after receipt of Work Directive

**Extended Description:**  
Hibernacula Survey, based on per site, per night

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	Acoustic Surveys based on per site, per night	20.00000	EA	7465.000000	149300.00

Comm Code	Manufacturer	Specification	Model #
77111507			

**Commodity Line Comments:** 7465.00\*20=\$149,300  
5 calendar days after receipt of Work Directive

**Extended Description:**  
Acoustic Surveys based on per site, per night



**Subject:** CRFQ 0313 DEP2600000036 – Potential Hibernacula Surveys – Southern Region

Dear Mr. Hager,

Volant EcoServices is pleased to submit this quotation in response to Solicitation CRFQ 0313 DEP2600000036 for Potential Hibernacula Surveys at Abandoned Mine Land Project Sites in the Southern Region of West Virginia.

Volant is a Small Business Administration certified Woman Owned Small Business specializing in bat survey services throughout the eastern United States. We have extensive experience conducting passive acoustic monitoring and harp trapping and mist netting at both potential and known hibernacula — the precise combination of methods central to this scope of work. Our team has surveyed a wide range of hibernacula settings across Appalachian landscapes, including abandoned mine portals, rock outcrops, and cave entrances, characterizing bat use through acoustic detection and direct capture to support species identification, occupancy assessment, and regulatory determinations.

Our personnel hold the required USFWS WV Field Office Qualified Bat Surveyor credentials and existing federal permits for listed bat species work, including Indiana bat, northern long-eared bat, and gray bat. All surveys will be conducted in strict accordance with the current USFWS Range-wide Indiana Bat and Northern Long-eared Bat Survey Guidelines, including Appendix H requirements for potential hibernacula surveys. We are well-versed in the associated reporting, permitting, and agency coordination requirements and are prepared to meet all deliverables outlined in the scope.

This submission includes:

- Signed solicitation forms
- Pricing information
- Addendum acknowledgment
- Coal Industry Employee Certification Form
- AML Contractor Information
- Resumes of Volant EcoServices, LLC Co-Founders

We welcome the opportunity to support WVDEP's AML program and are happy to discuss any aspect of our qualifications or approach. Please don't hesitate to reach out.

Sincerely,

A handwritten signature in blue ink that reads 'Mary Gilmore'.

Mary Gilmore  
Co-Founder | Principal Ecologist  
Volant EcoServices, LLC  
440.522.0067  
mgilmore@volant.llc



Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

State of West Virginia  
 Centralized Request for Quote  
 Consulting

**Proc Folder:** 1921288  
**Doc Description:** AML - Potential Hibernacula Surveys - AML Sites Southern Reg  
**Proc Type:** Central Master Agreement  
**Reason for Modification:**

Date Issued	Solicitation Closes	Solicitation No	Version
2026-04-29	2026-05-19 13:30	CRFQ 0313 DEP2600000036	1

**BID RECEIVING LOCATION**

BID CLERK  
 DEPARTMENT OF ADMINISTRATION  
 PURCHASING DIVISION  
 2019 WASHINGTON ST E  
 CHARLESTON WV 25305  
 US

**VENDOR**

**Vendor Customer Code:** Vendor Name :Volant EcoServices, LLC  
**Address :** 502  
**Street :** Brentwood Ave  
**City :** Kent  
**State :** OH  
**Principal Contact :** Mary Gilmore  
**Country :**USA **Zip :** 44240  
**Vendor Contact Phone:** 440.522.0067  
**Extension:**

**FOR INFORMATION CONTACT THE BUYER**

Joseph (Josh) E Hager III  
 (304) 558-2306  
 joseph.e.hageriii@wv.gov

**Vendor Signature X** *Mary Gilmore* **FEIN#** 33-3936353 **DATE** 19 May 2026

All offers subject to all terms and conditions contained in this solicitation

**ADDITIONAL INFORMATION**

The West Virginia Purchasing Division is soliciting bids on behalf of West Virginia Department of Environmental Protection, Office of Abandoned Mine Lands (WVDEP/AML) to establish a contract to conduct surveys of unreclaimed or reclaimed mine portals for potential habitation by threatened or endangered species, as determined by the US Fish and Wildlife Service (USFWS) in the Southern Region of West Virginia per the attached specifications and terms and conditions.

INVOICE TO		SHIP TO	
ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV US		STATE OF WEST VIRGINIA  JOBSITE - SEE SPECIFICATIONS  No City WV US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Hibernacula Survey, based on per site, per night	20.00000	EA	\$6,665.00	\$133,300.00

Comm Code	Manufacturer	Specification	Model #
77111507			

**Extended Description:**  
Hibernacula Survey, based on per site, per night

INVOICE TO		SHIP TO	
ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV US		STATE OF WEST VIRGINIA  VARIOUS LOCATIONS AS INDICATED BY ORDER  No City WV US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
2	Acoustic Surveys based on per site, per night	20.00000	EA	\$7,465.00	\$149,300.00

Comm Code	Manufacturer	Specification	Model #
77111507			

**Extended Description:**  
Acoustic Surveys based on per site, per night

**SCHEDULE OF EVENTS**

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
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**DESIGNATED CONTACT:** Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

(Printed Name and Title) \_\_\_\_\_

(Address) \_\_\_\_\_

(Phone Number) / (Fax Number) \_\_\_\_\_

(email address) \_\_\_\_\_

**CERTIFICATION AND SIGNATURE:** By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation/Contract in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation/Contract for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; that I am authorized by the Vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on Vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

*By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.*

\_\_\_\_\_  
(Company)

\_\_\_\_\_  
(Signature of Authorized Representative)

\_\_\_\_\_  
(Printed Name and Title of Authorized Representative) (Date)

\_\_\_\_\_  
(Phone Number) (Fax Number)

\_\_\_\_\_  
(Email Address)

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.:** \_\_\_\_\_

**Instructions:** Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

**Acknowledgment:** I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

**Addendum Numbers Received:**

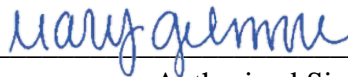
(Check the box next to each addendum received)

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6  |
| <input type="checkbox"/> Addendum No. 2            | <input type="checkbox"/> Addendum No. 7  |
| <input type="checkbox"/> Addendum No. 3            | <input type="checkbox"/> Addendum No. 8  |
| <input type="checkbox"/> Addendum No. 4            | <input type="checkbox"/> Addendum No. 9  |
| <input type="checkbox"/> Addendum No. 5            | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

\_\_\_\_\_  
Volant EcoServices, LLC

Company

\_\_\_\_\_  


Authorized Signature

\_\_\_\_\_  
19 May 2026

Date

**NOTE:** This addendum acknowledgment should be submitted with the bid to expedite document processing.

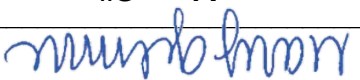
Revised 6/8/2012

17. Coal Industry Employee Certification Form - Exhibit C

In carrying out programs with Infrastructure Investment and Jobs Act (IIJA) AML funding, OSMRE encourages States and Tribes, consistent with applicable State or Tribal law, to use procurement processes that incentivize AML contractors to hire current and former employees of the coal industry when bidding on IIJA-funded AML projects and to collect information from AML contractors about the number of current and former coal industry employees they employ.

State of West Virginia  
Name: Purchasing Division

Vendor

By:   
Printed Name: Mary Gilmore  
Title: Co-Founder | Principal Ecologist  
Date: 19 May 2026

ABANDONED MINE LANDS (AML) CONTRACTOR INFORMATION FORM

You must complete this form for your AML contracting officer to request an eligibility evaluation from the Office of Surface Mining Reclamation and Enforcement (OSMRE) to determine if you are eligible to receive an AML contract. This requirement can be found under OSMRE's regulations at 30 CFR 874.16. **NOTE:** This form must be signed and **dated within 30 days** of submission to be considered for a current bid.

**Part A: General Information**Business Name: Volant EcoServices, LLCTax ID #: 33-3936353Address: 502 Brendwood AveCity, State, & Zip: Kent, OH 44240Phone Number: 440-522-0067Email Address: mgilmore@volant.llc**Part B: Obtain an Organizational Family Tree (OFT) from the Applicant Violator System (AVS)**

If you plan to certify the existing AVS information or submit updates under Part C, you must include an OFT. Instructions for downloading an OFT from the AVS can be found at: <https://www.osmre.gov/sites/default/files/2022-02/OMB%201029-0119%20instructions.pdf>. If you require assistance you may contact the AVS Office by phone at: 800-643-9748, or by email at: [avshelp@osmre.gov](mailto:avshelp@osmre.gov).

**Part C: Certifying and updating information in the AVS**

Select one of the options, follow the instructions for the selected option, sign, and date below.

I, \_\_\_\_\_, have express authority to certify that:  
(Print Name)

1. Our business is listed in the AVS. The information is accurate, complete, and up to date. (If you select this option, you must attach an Entity OFT from the AVS to this form). Do not complete Part D.
2. Our business is in the AVS. The information needs to be updated. (If you select this option, you must attach an Entity OFT from the AVS to this form). Complete Part D to provide the missing or corrected information.
3. Our business is not listed in the AVS. The information needs to be added. Complete Part D to provide the information.

19 May 2026

Date

  
Signature

Co-Founder

Title

**Part D: OFT Information**

Contractor's Business Name: Volant EcoServices, LLC

If the current Entity OFT information for your business is incomplete in the AVS, or if there is no information in the AVS for your business, you must provide all of the following information as it applies to your business. Please include additional copies of this page if the space below is not sufficient to capture all information.

- Every officer (President, Vice President, Secretary, Treasurer, etc.);
- All Directors, Partners, and Members;
- All persons performing a function similar to a Director;
- Every person or business that owns 10% or more of the voting stock in your business;
- Any other person(s) who has the ability to determine the manner in which the AML reclamation project is being conducted.
- **Please list an end date for any person who is no longer with your business.**

Name: Mary Gilmore  
 Address: 502 Brentwood Ave  
 City, State, Zip: Kent OH 44240  
 Begin Date: 2/16/2025  
 End Date: N/A  
 % Ownership: 51%  
 Position/Title: Co-Founder | Prinicipal Ecologist  
 Phone Number: 440-522-0067

Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_  
 Begin Date: \_\_\_\_\_  
 End Date: \_\_\_\_\_  
 % Ownership: \_\_\_\_\_  
 Position/Title: \_\_\_\_\_  
 Phone Number: \_\_\_\_\_

Name: Dan Cox  
 Address: 502 Brentwood Ave  
 City, State, Zip: Kent OH 44240  
 Begin Date: 2/16/2025  
 End Date: NA  
 % Ownership: 49%  
 Position/Title: Co-Founder | Principal Ecologist  
 Phone Number: 859-351-3919

Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_  
 Begin Date: \_\_\_\_\_  
 End Date: \_\_\_\_\_  
 % Ownership: \_\_\_\_\_  
 Position/Title: \_\_\_\_\_  
 Phone Number: \_\_\_\_\_

**PAPERWORK REDUCTION STATEMENT**

The Paperwork Reduction Act of 1995 (44 U.S.C 3501) requires us to inform you that: Federal Agencies may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a current valid OMB control number. This information is necessary for all successful bidders prior to the distribution of AML funds, and is required to obtain a benefit.

Public reporting burden for this form is estimated to range from 15 minutes to one hour, with an average of 30 minutes per response, including time for reviewing instructions, gather and maintaining data, and completing and reviewing the form. You may direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Office of Surface Mining Reclamation and Enforcement, 1849 C Street, NW, Room 4559, Washington, DC 20240.



# MARY GILMORE

C O - F O U N D E R | P R I N C I P A L E C O L O G I S T

☎ 440.522.0067

✉ mgilmore@volant.llc

📍 Kent, OH

## EDUCATION

BS Forestry & Wildlife Management

The Ohio State University  
2008

## TRAININGS

- Acoustic Techniques Analysis Course, Titley Scientific
- AnalookW Analysis Course, Titley Scientific
- 40 hr USACE Basic Wetland Delineation, Wetland Training Institute, Inc.
- Ohio Rapid Assessment Method (ORAM)
- Headwater Habitat Evaluation Index (HHEI) Training
- Qualitative Habitat Evaluation Index (QHEI) Training
- CSX FRA Training
- Canadian National Railroad Training
- 40 hr OSHA HAZWOPER Training
- 10 hr OSHA Safety Training

## CERTIFICATIONS

USFWS Native Endangered & Threatened Species Recovery Permit - Indiana bat, northern long-eared bat, gray bat



## CAREER SUMMARY

Mary Gilmore is an experienced ecologist and has worked throughout the eastern United States since 2008. Ms. Gilmore holds a USFWS bat recovery permit for the Indiana bat, northern long-eared bat, and gray bat, and is listed as a Qualified Bat Surveyor with the State of West Virginia and the Commonwealth of Pennsylvania. She has extensive field experience leading bat surveys across the eastern U.S., including mist-net surveys, acoustic detection and analysis, conducting ground/aerial radio telemetry, cave surveys, harp trapping, and knowledge of threatened and endangered bats and their habitat. She has extensive experience conducting both regulatory surveys and inventory projects for endangered species of bats on proposed natural gas pipelines, proposed coal mines, DoD facilities, Federal Highway Administration projects, state-owned conservation lands, and state DOT projects. Her extensive ecological experience includes bat surveys, vegetation surveys, aquatic insect sampling, freshwater mussel surveys, avian surveys, and amphibian population monitoring.

## WORK EXPERIENCE

### Co-founder | Principal Ecologist

Kent, OH | February, 2025 - Present

Volant conducts ecological surveys across the U.S., helping clients navigate the complexities of environmental regulations while staying grounded in solid science.

Volant specializes in bat conservation, regulatory compliance, and small to large-scale bioinventories and works with a diverse range of clients, including state and federal agencies, nonprofit organizations, and private sector partners.

### Selected Project Experience

#### Bat Hibernacula and Acoustic Survey, 2026

- Hibernacula search resulted in one hibernacula with two tricolored bats and several mine openings. Acoustic monitoring of both found and potential hibernacula is ongoing.

#### Potential Hibernacula Survey, Pennsylvania, 2026

- Conducted a potential hibernacula survey by foot and an approximately 25-acre site in Eastern PA.

#### Tricolored Bat Tracking Project, 2024 and 2025

- Conducted mist-net surveys and radio telemetry to document fall behavior and habitat use of tricolored bats throughout coastal North Carolina. Surveys were conducted on national forest, state, and public lands.

#### Tennessee Army National Guard Training Site – Milan, 2024

- Utilized mist-net and acoustic surveys and ground radio telemetry techniques to document the spatial and temporal use and distribution of bats within the training facility targeting rare/endangered bats. Acoustic data was first analyzed using Kaleidoscope Pro and then manually vetted to confirm species presence/absence.

#### WSP Environment & Infrastructure and the Tennessee Valley Authority, Tennessee and Alabama, 2023

- Conducted rare bat presence/absence mist net surveys and associated radio tracking for three proposed project areas.

#### Bureau of Land Management – Eastern States, Virginia and Maryland, 2023

- Conducted a planning level bat habitat assessments and acoustic surveys to identify all bat species utilizing Meadowood Special Recreation Management Area and Douglas Point SRMA.

#### King Coal Highway Project – Section 1, West Virginia Division of Highways, West Virginia, 2023

- Conducted a rare bat presence/absence mist net survey along a proposed addition highway addition. Portal searches were completed and harp trapping of potential hibernacula.

#### USDOT Federal Highway Administration, Virginia, 2023

- Conducted bat inspections at two bridges that provide access to the Assateague Island National Seashore.

#### USDOT Federal Highway Administration, Virginia and North Carolina, 2023

- Conducted bat surveys and bird nesting documentation at three bridges occurring in Virginia and North Carolina.

#### Barr Engineering, Kansas and Missouri, 2023

- Conducted acoustic bat surveys at proposed river crossing.

#### NASA Glenn Research Center – Neil A. Armstrong Test Facility and Lewis Field, 2022 and 2016

- Utilized mist-net and acoustic surveys to document the presence/absence of bats within the facilities targeting rare/ endangered bats. Acoustic data was first analyzed using Kaleidoscope Pro and then manually vetted to confirm species presence/absence.

#### Great Parks of Hamilton County, Ohio, 2022

- Conducted acoustic bat survey at barn prior to renovations. Calls were auto-ID and manually vetted.

#### Tennessee Army National Guard Training Sites – Catoosa, Milan, and Smyrna, 2020 – 2021

- Utilized mist-net and acoustic surveys and ground/aerial radio telemetry techniques to document the spatial and temporal use and distribution of bats within the training facilities targeting rare/ endangered bats. Acoustic data was first analyzed using Kaleidoscope Pro and then manually vetted to confirm species presence/absence.

#### Angelo State University, 2018.

- Volunteered - Harp trapping Mexican Long-nosed bats in Big Bend National Park with Graduate Student.

#### Marsha Gunder-Schneider Nature Preserve and DiNovo-Poston Property, Ohio, 2017

- Conducted bat species inventory of both properties, which included mist netting, acoustic surveys, and radio telemetry.

#### Pennsylvania Turnpike Commission, Mon/Fayette Expressway PA 51 to I-376 Mist-Net Survey, Allegheny County, PA, 2019

- Conducted mist-net surveys along a 14-mile proposed highway corridor targeting state and federally listed bat species. Portals were documented and assessed for potential bat habitat. Portals exhibiting qualities supporting bat habitat were surveyed using harp traps and mist-nets, along with acoustic detectors, to determine the presence of hibernating bats.



# DAN COX

C O - F O U N D E R | P R I N C I P A L E C O L O G I S T

☎ 859.351.3919

✉ dcox@volant.llc

📍 Kent, OH

## EDUCATION

### GRADUATE CERTIFICATE IN APPLIED STATISTICS

University of Kentucky  
2007

### MS BIOLOGICAL SCIENCES

Eastern Illinois University  
2005

### BS ZOOLOGY

Eastern Illinois University  
2001

## TRAININGS

- Evaluating Acoustic Bat Surveys for ESA Compliance, USFWS
- Anabat Techniques Workshop, Northtronics USA

## CERTIFICATIONS

USFWS Native Endangered & Threatened Species Recovery Permit - Indiana bat, northern long-eared bat, gray bat

## CAREER SUMMARY

Dan Cox has been conducting field research throughout the eastern United States since 2003. As a research associate at the University of Kentucky, Mr. Cox's research focused on the effects of prescribed burning on two federally listed species of bats (Indiana bat and northern long-eared bat). He has extensive experience conducting presence/probable absence regulatory surveys for rare bat species on proposed natural gas pipelines, proposed coal mines, proposed wind energy facilities, DoD facilities, Federal Highway Administration projects, state-owned conservation lands, and state DOT projects. Mr. Cox's experience not only includes surveying various rare species of flora and fauna, but also includes writing management plans for those species and implementing habitat management. He is proficient in a variety of field techniques, including mist-netting, Harp trapping, acoustic surveys, cave surveys, live-trapping, pitfall trapping, attaching transmitters to bats, habitat management, avian surveys, herpetofauna surveys, and aerial/ground radio telemetry.

## WORK EXPERIENCE

### Co-founder | Principal Ecologist

Kent, OH | February, 2025 - Present

Volant conducts ecological surveys across the U.S., helping clients navigate the complexities of environmental regulations while staying grounded in solid science.

Volant specializes in bat conservation, regulatory compliance, and small to large-scale bioinventories and works with a diverse range of clients, including state and federal agencies, nonprofit organizations, and private sector partners.

### Selected Project Experience

#### Bat Hibernacula & Acoustic Survey, 2026

- Bat hibernacula survey at Shaker Village, KY. One hibernacula was found with two tricolored bats. Acoustic monitoring of both found and potential hibernacula is ongoing.

#### Potential Hibernacula Survey, Pennsylvania, 2026

- Conducted a potential hibernacula survey by foot at an approximately 25-acre site in Eastern Pennsylvania.

#### Shaker Village of Pleasant Hill, Kentucky, 2025

- Conducted a bat species inventory to help identify areas of conservation importance within the property.

#### Tricolored Bat Tracking Project, 2024 & 2025

- Conducted mist-net surveys and radio telemetry to document fall behavior and habitat use of tricolored bats throughout coastal North Carolina. Surveys were

#### WSP Environment & Infrastructure and the Tennessee Valley Authority, Tennessee and Alabama, 2023

- Conducted portal searches for potential bat winter habitat in three proposed project areas.

#### Bureau of Land Management – Eastern States, Virginia and Maryland, 2023

- Conducted a planning level bat habitat assessments and acoustic surveys to identify all bat species utilizing Meadowood Special Recreation Management Area and Douglas Point SRMA.

#### NASA Glenn Research Center – Neil A. Armstrong Test Facility and Lewis Field, 2022 and 2016

- Utilized mist-net and acoustic surveys to document the presence/absence of bats within the facilities targeting rare/endangered bats. Acoustic data was first analyzed using Kaleidoscope Pro and then manually vetted to confirm species presence/absence.

#### Tennessee Army National Guard Training Sites – Catoosa, Milan, and Smyrna, 2020 – 2021

- Utilized mist-net and acoustic surveys and ground/aerial radio telemetry techniques to document the spatial and temporal use and distribution of bats within the training facilities targeting rare/endangered bats. Acoustic data was first analyzed using Kaleidoscope Pro and then manually vetted to confirm species presence/absence.

#### Pennsylvania Turnpike Commission, Mon/Fayette Expressway PA 51 to I-376 Mist-Net Survey, Allegheny County, PA, 2019

- Conducted mist-net surveys along a 14-mile proposed highway corridor targeting state and federally listed bat species. Project responsibilities involved selection of mist-net site locations, radio telemetry to locate roost trees. Portals were documented and assessed for potential bat habitat. Portals exhibiting qualities supporting bat habitat were surveyed using harp traps and mist-nets, along with acoustic detectors, to determine the presence of hibernating bats.

#### Burgess & Niple / West Virginia Division of Highways, 2018

- Surveyed 4.6-mile proposed highway corridor for endangered bats and potential bat portals. A total of 70 net-nights were completed, and two northern long-eared bats were captured during mist-net surveys.

#### Prologis Industrial Park, Illinois, 2018

- Conducted a rare bat acoustic survey for a 201-acre area of a proposed industrial park. The acoustic data was first analyzed using Kaleidoscope Pro and then manually vetted to confirm species presence/absence.

#### US33 Scott Miller Hill Bypass Project, West Virginia, 2016

- Conducted fall portal surveys for rare bat species using mist nets, harp traps, and acoustic detectors.

#### Spice Creek Strip Mine, McDowell County, West Virginia, Gress Engineering Corp., 2010

- Assessed and surveyed a portal for potential Indiana bat (*Myotis sodalis*) winter habitat. Duties included habitat assessment, data analysis, report preparation, and coordination with regulatory agencies.

#### Effects of Blasting on Bat Hibernaculum, Clark County, Kentucky, Palmer Engineering Company Inc., 2010

- Conducted AnaBat acoustic surveys for presence of bats and determined effects of blasting on hibernating bats. Duties included acoustic monitoring, report preparation, data analysis, and coordination with regulatory agencies.

#### Ohio Department of Natural Resources, 2009

- Performed counts of hibernating bats in Lewisburg Mine, an abandoned limestone mine, currently distinguished as the largest Indiana bat hibernaculum in Ohio.

#### American Electric Power, Dwale 69 kV Transmission Line Extension, 2008

- Led field team to conduct portal searches along a proposed .4- mile transmission line right-of-way in Floyd County, Kentucky. Searched on foot for abandoned mine portals and assessed mines for potential winter bat habitat in areas within one kilometer of the line that had historically been mined.