



March 3, 2025

RFP # 2931

Satellite Based Vegetation Management RFP

Tri-State Generation and Transmission Association, Inc. (Tri-State) request for bid on the above project in accordance to the enclosed scope of work and documentation needed for the RFP. The package contains the following:

1. Instructions, Conditions and Notices to Bidders.
2. Intention to propose.
3. Scope of Work and Price Bid Form – **Satellite Based Vegetation Management RFP**
4. Tri-State – Contract Offsite Terms and Conditions and associated Consulting Contract Addendum.

In order to preserve transparency in the process and to ensure that all respondents receive equal consideration, bidders must not contact any Tri-State employees or agents of the company in regard to this RFP. All communications are to be conducted through the Contract Administrator. Tri-State makes no commitment to respond to other communications received via telephone, FAX, text messaging or other media. If you have any questions, please contact the corresponding person:

All questions – James Schledewitz at (303) 254-3357 or jschledewitz@tristategt.org.

Sincerely,

James Schledewitz

James Schledewitz
Contract Administrator
Tri-State Generation and Transmission Association, Inc.
1100 West 116th Avenue
Westminster, CO 80234
Main (303) 452-6111
Fax (303) 254-3046



Instructions, Conditions and Notices To Bidders



INSTRUCTIONS, CONDITIONS AND NOTICES TO BIDDERS (“Instructions”)

TRI-STATE GENERATION AND TRANSMISSION ASSOCIATION, INC. (“Tri-State”) is a wholesale electric power generation and transmission cooperative operating on a not-for-profit basis. Tri-State was incorporated under the laws of the State of Colorado in 1952 as a cooperative corporation. Tri-State was formed by its utility members for the purpose of providing wholesale power and transmission services to its utility members for their resale of the power to their retail consumers. Tri-State, together with its utility members, provides power to more than a million electricity consumers across nearly 200,000 square-miles in Colorado, Nebraska, New Mexico and Wyoming.

Tri-State’s mission is to provide its member systems a reliable, affordable, and responsible supply of electricity in accordance with cooperative principles.

In order to preserve transparency in the process and to ensure that all respondents receive fair consideration, bidders must only communicate with Tri-State’s Contract Administrator or such other employees as authorized in these Instructions in regard to this RFP. Do not contact any other Tri-State employees or agents. Tri-State makes no commitment to respond to other communications received via telephone, FAX, text messaging or other media.

1. Site Inspection/Mandatory Pre-Bid Conference:

There will not be a pre-bid meeting scheduled for this project.

Please contact James Schledewitz, Contract Administrator with all questions concerning the RFP process, scope of services and documents at jschledewitz@tristategt.org.

Bidders are required to provide their own personal protective equipment for any site inspection. A bidder may be required to provide a valid government photo ID at security and subject to a security screening. Bidder undertakes a site inspection at its own risk.

2. Manner of Submitting Proposals:

Proposals which are not prepared and submitted in accordance with these Instructions are subject to rejection by Tri-State Generation and Transmission Association, in its sole discretion. **Bidder shall submit its proposal to Tri-State as follows:**

E-mail or Fax – One (1) copy of its proposal – along with the one of the following options – (1) only the pages required to be completed by bidder as stated in these instructions and the bid documents or (2) the entire bid documents including the pages required to be completed by bidder as stated in the bid documents.

Tri-State Generation and Transmission Association, Inc.
Attention: James Schledewitz
Phone: (303) 254-3357
Fax: (303) 254-3046



E-mail Address: jschledewitz@tristategt.org

Bidder shall furnish all information required by the bid documents. Proposals and all supporting instruments must be submitted on the forms furnished by Tri-State and must be delivered as stated above..

3. Withdrawal.

Proposals may be withdrawn, altered, and resubmitted at any time before the date and time set for receiving the proposals. After the proposal due date and time, the proposal may not be withdrawn, altered, or resubmitted without Tri-State's consent.

4. Proposal Confidentiality.

The bidders are cautioned against submitting a proposal in response to this solicitation that contains any restrictions which prohibit disclosure of those elements of the bid relating to quantity, price and delivery terms, or of sufficient information to evaluate the essential nature and type of products. The restrictions of such information may cause the proposal to be rejected. Tri-State does not accept any responsibility for safeguarding confidential or proprietary information that is submitted with a proposal. If confidential or proprietary information is submitted, in no event shall Tri-State, its officers, employees or agents be subject to liability of any kind in connection with the use, public disclosure, or other dissemination of such information. High level project descriptions, bidder's name and bid amounts may be used in materials that become publicly available including on Tri-State's website. If there are any questions, please contact the Contract Administrator at the email noted in this solicitation.

5. Exceptions or Conflicts.

Each bidder shall set forth in its proposal all exceptions or conflicts between the bid documents and bidder's proposal. In case of conflicts not stated, the requirements of the bid documents shall govern. All exceptions shall be specific in nature and referenced to the applicable page number and section, article, paragraph or subparagraph of the bid documents. Conflict notations which make reference to bidder's descriptive information, terms and conditions, price escalation policies, warranties or guarantees, etc., as a whole are rejected.

6. Signatures.

Each bidder shall sign its proposal with his or her usual manual or electronic signature and shall give its full business address. Bidder's name stated on the proposal shall be the exact legal name of the entity. The names and titles of all persons signing should also be typed or printed below the signature.

7. Verbal Statements.

Verbal statements made by bidder at any time regarding quality, quantity or arrangement of the work will not be considered.

8. Bid Bond-N/A



9. Contractor's Bond-N/A.

10. Failure to Furnish Contractor's Bond-N/A.

11. Proposal Acceptance Period

The bidder agrees, if this proposal is accepted by Tri-State within ninety (90) calendar days from the proposal due date, to furnish any or all items/services upon which prices are offered, and performed/delivered at the designated point(s) in the time(s) specified.

12. Specific Proposal Preparation Instructions

The proposal shall also include the following completed and signed, if appropriate, information.

- a. Provide bidder's complete company name and address and the name, title and authority of the person signing the proposal to commit the organization to all of the provisions of the proposal.
- b. Provide pricing for per "Price Bid Form" and specifics to the project.
- c. A statement that the proposal will remain open for acceptance for a period of ninety (90) calendar days after the proposal due date.
- d. Provide a letter stating bidder agrees with the contract terms (part of package) if not, redline the terms with per Section 5. If the awarded bidder has a Master Agreement in place with Tri-State, Tri-State may consider using such as the governing terms and conditions. This does not imply the Master Agreement will be accepted. Review and approval to use an existing Master Agreement is required.
- e. A project plan describing how the project will be successfully executed as well as a project schedule, including Gantt chart, showing project start, milestones, and project completion.
- f. Names and resumes, for Tri-State's review and approval, of bidder's project manager and field team leader(s). Replacement or substitution of these personnel shall not be made without Tri-State's approval.
- g. A summary of anticipated project staffing and copies of representative resumes for other project personnel.
- h. Examples of past similar project work with references.
- i. Bidder shall provide with their proposal a list of the proposed subcontractors and the specifics of the work to be subcontracted. The list must be acceptable to Tri-State prior to subcontractors being allowed on project. The successful bidder shall assume all responsibility for the services performed by the subcontractor(s).

13. Proposal Due Date and Schedule

Bidder's proposal is due no later than **10:00 AM, MDT, Tuesday, March 25, 2025**, and should be directed to the address or e-mail stated in item 2 (above) and to the attention of James Schledewitz. All proposals must be received via e-mail or fax no later than the time and date indicated.

Proposals will not be publicly opened or read since the selection process will be determined based upon competitive procurement procedures for proposals as described in this RFP.



14. Intention to Propose

Bidder shall indicate its intention to submit a proposal by completing, signing and returning the attached Intention to Propose form (found below) before the due date.

Intention to Propose Due: March 14, 2025

15. Clarification.

Tri-State, subsequent to the receipt of proposals, may seek clarification from each bidder to resolve any questions related to its proposal.

16. Project Specific Proposal Preparation Instructions-N/A

17. Evaluation of Proposals

Tri-State may conduct such investigations as Tri-State deems necessary to assist in the evaluation of any proposal. In determining the lowest evaluated proposal, Tri-State will consider, in addition to the prices quoted in the proposals, the following:

- a. Information provided by bidder as required herein, including, but not limited to, past experience, resumes for anticipated project staffing, and proposed schedule.
- b. Completion of proposal as required herein (i.e. Deliverables, Approach/Plan).
- c. Bidder's exception to Tri-State's requirements, both in number and in scope, if any.
- d. References, technical support, standardization, quality control, logical process, proximity/on-site and training and documentation.
- e. Use of preferred subcontractors.

These criteria and their weighting are subject to change at the discretion of Tri-State. Evaluation criteria include, but are not limited to, the following:

- i. Relevant Experience/Depth
- ii. Cost
- iii. Overall Proposal
- iv. Approach/Timelines/Schedule
- v. Deliverables
- vi. References
- vii. Additional criteria found in scope of work

Tri-State reserves the right to reject any or all proposals and to waive any part of these Instructions, in its sole discretion. Tri-State reserves the right to consider alternatives outside of this RFP.

Tri-State's acceptance of a proposal will be in the form a written contract signed by a duly authorized representative of Tri-State, and no other act of Tri-State shall constitute the acceptance of a proposal. The acceptance of a proposal shall bind the successful bidder to execute the contract included in the bid documents.

18. Potential Lease of Equipment



In the event the scope of supply includes the bidder providing equipment to be owned by Tri-State, Tri-State may elect to have a third party leasing company ("Leasing Company") purchase the equipment directly from bidder and lease the equipment to Tri-State rather than Tri-State purchasing the equipment directly from the bidder.

In such event, all invoices from the bidder are to show the Leasing Company as the "sold to" party. All warranties and indemnification provided by bidder will be assigned to Tri-State, and bidder by submitting its proposal, agrees to such assignment. In addition any terms related to on-site work included in the purchase order/contract will apply any time bidder is on Tri-State property as if Tri-State were the purchaser of such equipment including, but not limited, indemnification, insurance, safety, and security. Tri-State shall be entitled to all the rights and benefits of such terms.

If Tri-State elects to have a Leasing Company purchase the equipment directly from bidder, the equipment, which is the subject of the purchase order/contract, is to be acquired by Leasing Company for the purpose of leasing it to Tri-State pursuant to the terms of a master lease agreement (the "Lease") between Leasing Company and Tri-State. If a default under the Lease occurs, or if the equipment is not delivered to and accepted by Tri-State as required by the contract/purchase order, Leasing Company may assign all rights and obligations of Leasing Company to Tri-State, and bidder agrees to accept the novation of such assignment and, upon receipt of notice from Leasing Company of such assignment, bidder shall look solely to Tri-State for performance of the obligations of Leasing Company under the purchase order/contract.



Intention to Propose



INTENTION TO PROPOSE

SOLICITATION NUMBER:

Request for Proposal 2931

Satellite Based Vegetation Management RFP

Bid is due on March 25, 2025 at 10:00 a.m.

(check the appropriate box below)

We ☐ **DO** intend to submit a proposal or bid.

We ☐ **DO NOT** intend to submit a proposal or bid for the following reasons:

Please **PRINT** the following information:

Name of Company:

Street Address of Company:

City, State & Zip Code:

Name of Person to Contact:

Company Phone Number:

Company Fax Number:

Cell Phone Number:

E-mail Address:

Company P.O. Box Number

P.O. Box Zip Code:

(Authorized Signature)

(Printed Name and Title)

(Date)

Fax, Mail or E-mail Completed Form to:

Mr. James Schledewitz

Tri-State Generation and Transmission Association, Inc.

1100 West 116th Avenue

Westminster, CO 80234

Phone: 303-254-3357

Fax: 303-254-3046

E-mail: jschledewitz@tristategt.org



Scope of Work and Price Bid Form



SCOPE OF WORK

Tri-State Generation and Transmission Association (Tri-State) is looking for a cost with the following technical specifications:

Tri-State Generation and Transmission Satellite Based Vegetation Management Request for Proposals

RFP Summary

Tri-State Generation and Transmission (Tri-State) is seeking a qualified vendor to provide satellite remote sensing data collection, analysis and visualization services to assess vegetation conditions on approximately 3,000 miles of Tri-State transmission line (T-Line) right-of-way (ROW).

Objective

The primary goal of this project is to support wildfire risk reduction through effective vegetation management. The selected vendor will supply satellite-derived data, analysis and visualizations to help Tri-State staff:

- Assess vegetation encroachment, strike tree potential within and adjacent to Tri-State's transmission line right-of-way.
- Calculate and categorize span level and entire transmission line level vegetation risk.
- Estimate the volume of vegetation requiring removal based on Tri-State's vegetation distance criteria to mitigate wildfire risks.

Contract Details

- **Duration:** Three years
- **Project Start Date (anticipated contract execution):** May 30, 2025
- **Project End Date:** December 30, 2027

This partnership will play a critical role in maintaining the safety and reliability of Tri-State's transmission infrastructure. Vendors with experience in satellite remote sensing, vegetation analysis, and wildfire risk assessment are encouraged to apply.

Tri-State Background Information

Tri-State provides reliable, affordable, and responsible electricity to over one million customers across four Western states. As a nonprofit cooperative, we are governed by the 41 member cooperatives we serve in Colorado, Wyoming, New Mexico, and Nebraska. Our service territory spans approximately 200,000 square miles.

In 2007, Tri-State developed the Transmission Vegetation Management Program (TVMP) (see Appendix X) to establish a standardized approach for assessing vegetation conditions within and adjacent to rights-of-way (ROW) and mitigating incompatible vegetation.



Building on the success of the TVMP, Tri-State launched the Wildfire Mitigation Plan in 2022 to expand efforts in wildfire risk identification and implement comprehensive mitigation strategies.

Tri-State is seeking to enhance its vegetation management planning by developing a comprehensive intelligent vegetation management program. This program will enable the remote identification and categorization of vegetation risks within and adjacent to our transmission line rights-of-way (ROWS).

Project Background Information

The Tri-State G&T Satellite Based Vegetation Management Project aims to provide a more accurate understanding of vegetation conditions across Tri-State's large and diverse service area.

The increasing frequency and severity of wildfires in the Western United States over the past decade highlights the critical need for Tri-State Generation and Transmission to mitigate wildfire ignition risks associated with its transmission system. Key drivers for this effort include reducing wildfire risk, minimizing maintenance costs, preventing service disruptions, and avoiding accidental ignitions. Over the years, Tri-State has invested significant resources into wildfire mitigation planning and improving its understanding of wildfire risks across its 200,000-square-mile service territory. One core strategy involves annual or biannual ground patrols to document vegetation conditions. These patrols focus on:

1. **Encroachment Risk:** Identify and monitor vegetation growing near conductors within the right-of-way (ROW).
2. **Strike Tree Risk:** Identify and monitor trees inside or outside the ROW with the potential to fall into conductors.

Vegetation inspections are conducted by trained Transmission Maintenance staff responsible for maintaining over 5,500 miles of transmission lines across three maintenance regions. Each region faces unique challenges, including varying landscapes, forest types, and wildfire risks. Furthermore, the patrol process presents complexities:

- Patrols are not conducted at consistent intervals due to competing responsibilities.
- Staff expertise in conducting inspections varies.
- Using optical laser range finders to measure vegetation height is a trained skill and can be slow and difficult on uneven terrain under harsh conditions.
- Inconsistent vegetation risk scoring methodology across Tri-State's maintenance regions..

Need for Standardization

To improve data reliability and streamline decision-making, Tri-State seeks to standardize its vegetation data collection processes. The goal is to support operational decisions that mitigate wildfire risks system-wide. An internal evaluation concluded that satellite data and remoted sensed vegetation analysis are effective tools for standardizing data collection, particularly for identifying:

1. Vegetation encroachment within different risk criteria zones based on kV level of the line.
2. Strike tree risks inside and outside the wire zone both on and off ROW.

3. Overall tree health/decline inside and outside the wire zone both on and off ROW

2023 Pilot Project Use Case Study

In 2023, Tri-State conducted a use case study to evaluate advanced remote sensing technologies, including satellite imagery and LiDAR and to determine the best solution for vegetation management across our entire service territory. The study focused on a high-risk transmission line in Northern New Mexico characterized by:

- Extreme topography with steep canyon crossing and serve side slopes.
- High wildfire probability.
- Critical infrastructure, including transmission lines, communication equipment, and substations.

During the pilot, data was collected and displayed in an online viewer. This viewer visualized vegetation polygons, categorized by their distance to conductors using a custom encroachment risk framework:

- Vegetation above minimum clearance was classified as critical risk.
- Vegetation below minimum clearance was categorized using a risk matrix
- At the span level, risk data were summarized to generate a risk ranking for each transmission line span.

Key Deliverables of the 2023 Pilot Project Use Case Study

The pilot project provided the following deliverables:

1. Encroachment Risk Framework for 115kV lines (See Figure 1).
2. Polygon GIS data identifying encroachment risks for vegetation within the ROW (See Figure 2).
3. Span Level Encroachment Risk that is calculated off of encroachment risk tolerances established under the Encroachment Risk Framework. (Figure 3: Span Level Encroachment Risk).
4. Export of GIS polygon data to a GIS Point data that was then imported into Tri-State's already existing GIS Field software for use by field crews. The schema for existing GIS tools are included as Appendix 1 (Vegetation GIS Field Software Schema).
5. A quantitative approach for incompatible vegetation to develop a detailed scope of work for large-scale vegetation removal project requiring third-party contractors.

Figure 1. Encroachment Risk Framework

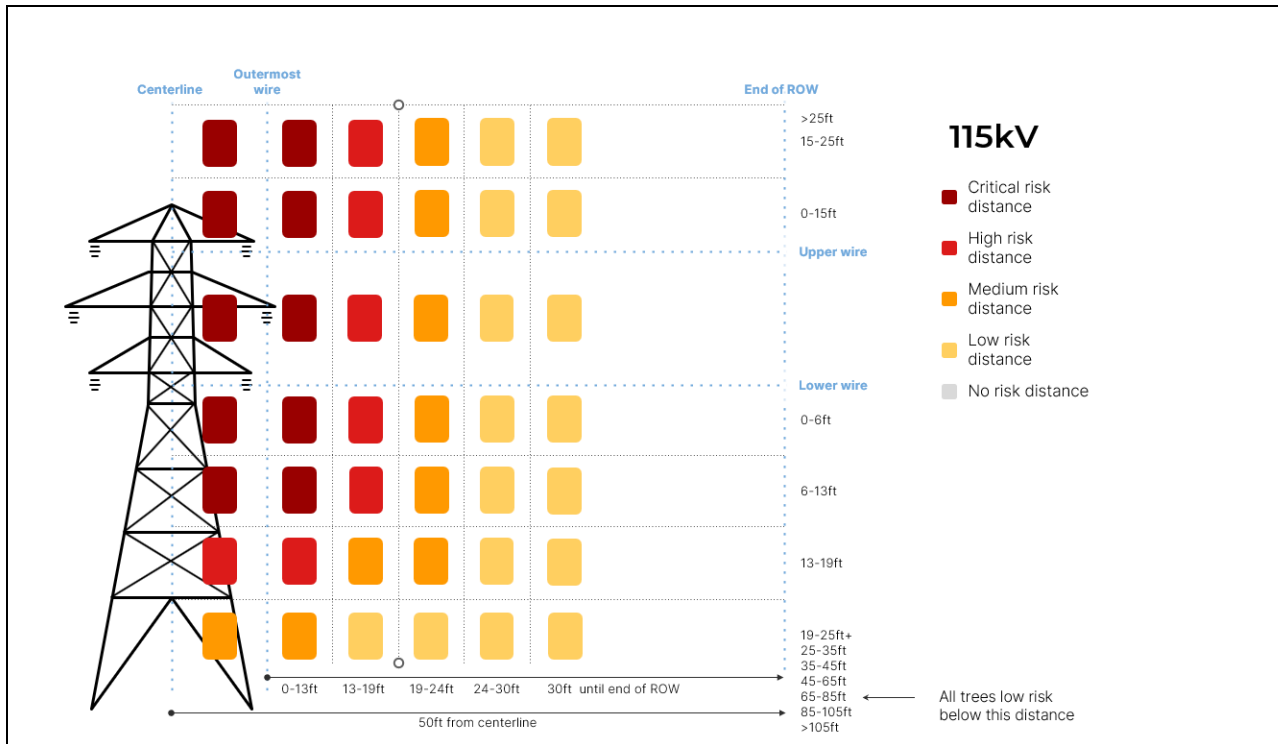


Figure 2. Encroachment Risk Type

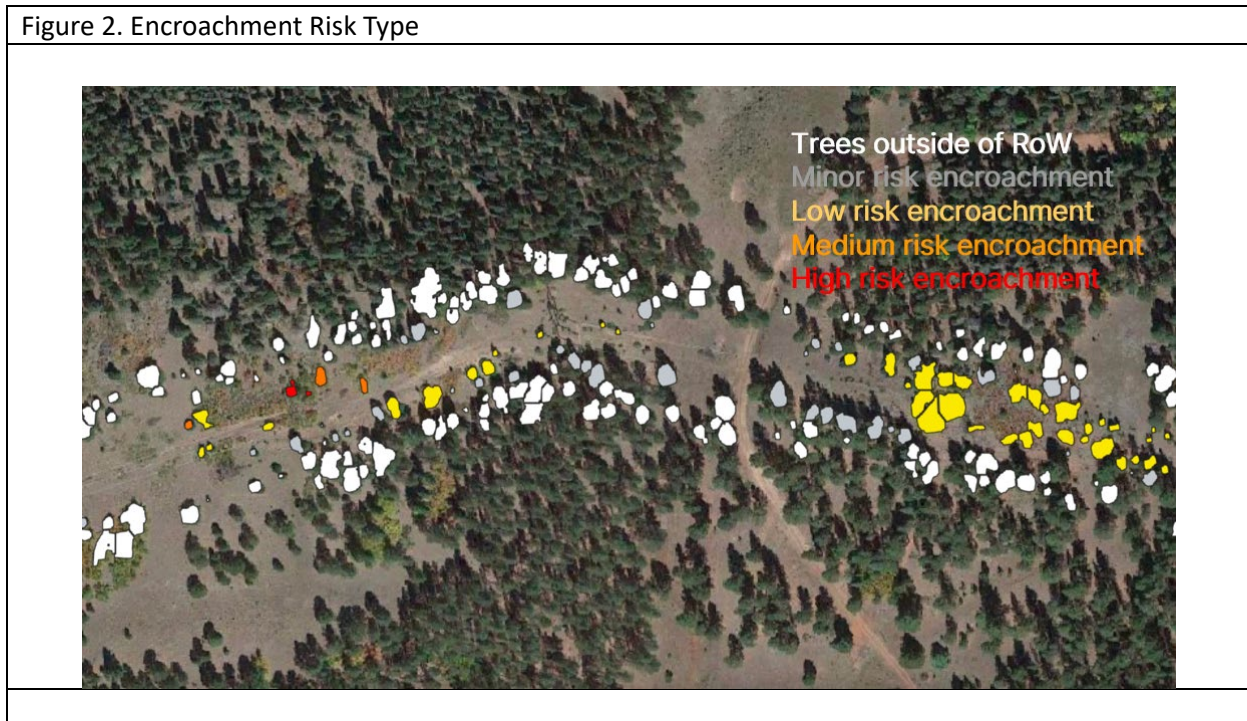


Figure 3. Span Level Encroachment Risk



Project Statement of Work

Project Scope

Tri-State seeks a qualified vendor to conduct satellite remote sensing for vegetation condition assessments across approximately 3,291 miles of transmission line (Tline) over a three-year period. The project will prioritize scanning specific segments annually:

- Year 1: 1,177 miles.
- Year 2: 1,114 miles.
- Year 3: 1,000 miles.

Details about the prioritized transmission line segments, including associated metadata and anticipated scan years, are provided in a GIS shapefile attached to this Request for Proposal (RFP). Upon contract execution, Tri-State will provide the selected vendor with PLS-CADD data or As-built staking sheet drawings for all relevant transmission line segments, along with additional information needed to conduct the assessments.

The vendor shall conduct scans of the right of way plus 50' on either side of the right of way. From the centerline, the voltages and distances of scan are:

Voltage	ROW Width (ft)	Total scan width (ft)
115kV (and under)	100	200
138kV	100	200
230kV	150	250
345kV	200	300

Vendor Responsibilities

Vendors responding to this RFP must demonstrate the ability to complete the following tasks:

Task 1: Develop Satellite Remote Sensing Strategy and Encroachment Risk Framework

The vendor will:

1. Create a 3 Year Satellite Remote Sensing Strategy

- Develop a detailed approach and schedule for satellite data collection with the appropriate data accuracy.
- Use input from meetings with Tri-State staff, provided documentation, prior pilot study findings, and other relevant information.

2. Define an Encroachment Risk Framework

- Develop a framework to calculate vegetation proximity both horizontally and vertically from the conductor to the tree within the Right-of-Way (ROW).
- Develop a framework to assess vegetation strike tree potential both inside and outside the ROW. Outside ROW defined as 50ft each side of existing ROW.
- Develop a separate risk matrix for all relevant Transmission Line voltages: 69kV, 115kV, 138kV, 230kV, and 345kV.
- Define Five Action Levels: Critical, High, Medium, Low, Clear

3. Data Resolution Requirements

- High-resolution scans (minimum 30cm resolution).
- Tri-stereo imagery from forward, nadir, and backward angles.
- Digital terrain maps (minimum 1-meter accuracy).

Task 2: Perform Vegetation Hazard Assessment

The selected vendor will utilize advanced remote sensing technologies to assess vegetation conditions around electric utility infrastructure.

1. Identify Vegetation and Calculate Risks

- Map and classify vegetation within the ROW. Categorize encroachment risks based on height, density and proximity using the Encroachment Risk Framework developed under Task 1.
- Use near-infrared and NDVI (or similar) data to identify dead and declining trees.

- Identify strike trees (trees inside and outside the ROW tall enough to fall onto conductors).

2. Assess Span and Tline Level Risk

- Calculate overall risk scores for each span based on vegetation proximity, both horizontally and vertically and number of potential strike trees. All transmission line spans should be assessed to produce an overall transmission line score based off of findings from Task 2.

Task 3: Utilize an Interactive Dashboard

The vendor will utilize an online, interactive platform that:

- Displays data collected in Task 2, including ground maps, vegetation risks, hazard and strike trees, declining trees and span-level encroachment risks.
- Enable users to visualize horizontal and vertical distances for each identified tree relative to conductors.
- Enable users to visualize vegetation data by Tri-State five action levels.
- Enable users to sort lines by risk score and visualize the scores via a map interface.

Task 4: Provide GIS Data Exports

The vendor will deliver data exports in GIS compatible formats following Tri-State data collection standards. Field names and data schema is provided in the Appendix. The exports must contain:

- Polygon and Point data of all Strike Trees both inside and outside ROW
 - **CLOSEST_SPAN_ID**: Unique identifier of the closest span to each tree.
 - **CLOSEST_SPAN_NAME**: Span name will follow the format: Tri-State TLine facility code and the structure numbers of the 2 structures that make up the endpoints of the respective span.
 - **EST_TREE_HEIGHT_FT**: Tree height in feet.
 - **DIST_FRM_TRUNK_TO_CENTERLINE_FT**: Distance from the tree trunk to the span's centerline in feet.
 - **CLR_BTWN_TREE_CONDUCT_FAIL_FT**: Minimum distance from the tree to the conductor in case of tree failure in feet (negative for shortfalls, positive for strikes).
 - **DIST_FRM_TRUNK_TO_CONDUCT_FT**: Distance between the tree trunk and the outermost conductor in feet.
- Polygon and Point data of all vegetation encroachments identified



- **TREE_ID:** Unique identifier for tree crowns.
- **ACTION_LEVELS_CAT:** Action level as defined in the Encroachment Risk Framework, Action Levels: Critical, High, Medium, Low, Clear assignment to the identified encroachment. .
- **CLOSEST_SPAN_ID:** Unique identifier of the closest span to each tree.
- **CLOSEST_SPAN_NAME:** Span name will follow the format: Tri-State TLine facility code and the structure numbers of the 2 structures that make up the endpoints of the respective span.
- **EST_TREE_HEIGHT_FT:** Tree height in feet.
- **DIST_FRM_TRUNK_TO_CENTERLINE_FT:** Distance from the tree trunk to the span's centerline in feet.
- **CLR_BTWN_TREE_CONDUCT_FT:** Minimum distance from the outermost point of the tree to the outermost conductor in feet.
- **DIST_FRM_TRUNK_TO_CONDUCT_FT:** Distance between the tree trunk and the outermost conductor in feet.
- **SQUARE_FT_VEG:** What is the total square footage of the vegetation.

Task 5: Quality Control

The vendor must adhere to strict quality control measures, including:

1. **Regular Communication:** Hold kickoff and regular progress meetings with Tri-State staff.
2. **Project Milestones:** Submit updates and preliminary results at key completion stages (10%, 50%, 75%, 90%, and 100%).
3. **Sample Validation:**
 - Tri-State will validate the vendor's findings on 55 selected spans on a minimum of 10 different transmission line through in field ground truthing.
 - Ground-based measurements will confirm horizontal and vertical distances and tree health.
 - Data accuracy must be within 15% of ground-based rangefinder values.

Proposal Ranking Criteria

Proposal shall be ranked 0-100 points.

- 10 points: Understanding of the work.
- 10 points: Related project experience (assigned staff and qualifications, previous work completed, references, etc).
- 60 points: Technical approach to accomplishing the work related to Task 1 and Task 2.
 - Description of the proposed remote sensing technologies and methodologies that will be used
 - Data processing and analysis procedures, including software to be used.
- 10 points: Quality control approach.
- 10 points: Dashboarding and data export approach.

Project Schedule

Project Schedule 2025		
Action	Start Date	End Date
RFP Release	March 3	
Proposal Due	March 25	
Proposal Review	March 26	April 9
Interviews (if necessary)*	April 14, 15, 16 10:00/11:00 am central	April 14, 15, 16 10:00/11:00 am central
Vendor Selection	April 18	
Contracting	April 21	May 9
Executed Contract		May 30
Kickoff Meetings/ Project Planning/Dashboard Development	June 1	June 15
Satellite Scans	June 15	August 1
Data Assessment/Dashboard Population	June 15	November 30
Data Exports	November 30	
Annual Summary Report	December 30	
*Vendors are advised to hold these dates/times for interviews as alternatives will not be provided		

Project Schedule 2026, 2027		
Action	Start Date	End Date
Kickoff Meetings and Project Planning/Dashboard Development	April 1	April 15
Satellite Scans	June 15	November 30
Data Assessment/Dashboard Population	June 15	November 30
Data Exports	November 30	
Annual Summary Report	December 30	
Contract End Date		March 31, 2028

Appendix 1 (Vegetation GIS Field Software Schema)

Geodatabase Field Name	Alias	Esri Data Type
Strike Trees		
CLOSEST_SPAN_ID	Closest Span	Text
CLOSEST_SPAN_NAME	Closest Span Name	Text
EST_TREE_HEIGHT_FT	Estimated Tree Height Ft	Double
DIST_FRM_TRUNK_TO_CENTERLINE_FT	Estimated Horizontal Dist From Trunk to Centerline Ft	Double
CLR_BTWN_TREE_CONDUCT_FAIL_FT	Clearance Between Tree and Conductor In Case of Failure Ft	Double
DIST_FRM_TRUNK_TO_CONDUCT_FT	Estimated Horizontal Dist From Trunk to Conductor Ft	Double
Vegetation Encroachments		
TREE_ID	Tree ID	Text
ACTION_LEVELS_CAT	Action Levels Category	Text
CLOSEST_SPAN_ID	Closest Span	Text
CLOSEST_SPAN_NAME	Closest Span Name	Text
EST_TREE_HEIGHT_FT	Estimated Tree Height Ft	Double
DIST_FRM_TRUNK_TO_CENTERLINE_FT	Estimated Horizontal Dist From Trunk to Centerline Ft	Double
CLR_BTWN_TREE_CONDUCT_FT	Clearance Between Tree Ft	Double
DIST_FRM_TRUNK_TO_CONDUCT_FT	Estimated Horizontal Dist From Trunk to Conductor Ft	Double
SQUARE_FT_VEG	Square Ft Vegetation	Double



TRI-STATE

TRI-STATE GENERATION AND TRANSMISSION ASSOCIATION, INC.
REQUEST FOR PROPOSAL NO. 2931
“Satellite Based Vegetation Management RFP”

PRICE BID FORM

DESCRIPTION

PRICE

Cost for Task #1	\$ _____
Cost for Task #2	\$ _____
Cost for Task #3	\$ _____
Cost for Task #4	\$ _____
Cost for Task #5	\$ _____
Other Cost***	\$ _____

TOTAL BID PRICE – Time and Material with a Not to Exceed \$ _____

Company Name: _____ Quote/Reference #: _____

Signature: _____ Date: _____

Print name: _____

***** Please provide a detail statement of what is made up of these costs.**

Other Instructions:

1. Bidder can attach their proposal to this “Price Bid Form” as an addition to the cost breakdown stated above.

2. Bidder shall provide current time and material rates (including per diem costs, equipment rental) to this proposal as an attachment. These rates shall govern any additional work identified outside of the original defined scope of work.



Contract Terms and Conditions