

## Youngsville Area Power Reliability Improvement Project

### Overview

Youngsville and the surrounding areas are experiencing **significant residential and commercial growth**. More homes and businesses mean increased demand for electricity. Our existing substations and transmission lines are approaching their safe operating limits. When equipment operates near capacity, it increases the risk of:

- Overloading
- Equipment failures
- Longer outage durations
- Limited ability to reroute power during emergencies
- Overall grid stress

To maintain reliable and affordable power for our members, we must increase system capacity.

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### What We Are Doing

#### 1. Upgrade 6 Miles of Transmission Line

We are upgrading approximately **6 miles of 138,000-volt transmission line** with larger conductor (wire) that can safely carry more electricity.

This will:

- Increase capacity
- Reduce system stress
- Improve reliability

**Estimated Cost: \$8 million**

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#### 2. Construct a New Substation Near Chemin Metarie & Savoy Road

To better distribute electrical load and improve reliability, we are constructing a **new substation near the Chemin Metarie and Savoy Road roundabout**.

A substation:

- Receives high-voltage electricity
- Reduces voltage to usable levels
- Distributes power to homes and businesses

This new substation will:

- Balance electrical demand among substations
- Provide backfeeding capability (rerouting power during outages)
- Reduce outage duration
- Support continued growth in the area

**Estimated Cost: \$9 million**

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### **3. Upgrade Local Distribution Circuits**

To integrate the new substation into the system, we will perform:

- Circuit upgrades
- Line modifications
- System reconfigurations

These improvements ensure the system functions properly and maximizes reliability.

**Estimated Cost: \$2 million**

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### **Why Tree Removal Is Required**

The trees in the project area are located **directly within the footprint of the planned substation and required transmission line connections.**

Because of:

- Required safety clearances for high-voltage equipment
- Grounding and foundation requirements
- Physical space needed for transformers and switching equipment

- Federal and industry safety standards

**The substation cannot be safely constructed around the existing trees.**

Additionally, maintaining trees within the substation yard would:

- Create safety hazards
- Increase outage risk
- Interfere with maintenance access
- Violate required electrical clearance standards

For these reasons, tree removal is necessary to construct and safely operate this facility.

All clearing will be performed responsibly and in accordance with environmental and safety regulations.

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### **Total Investment**

- Transmission Line Upgrade: **\$8 million**
- New Substation: **\$9 million**
- Distribution Upgrades: **\$2 million**

**Total Project Investment: Approximately \$19 million**

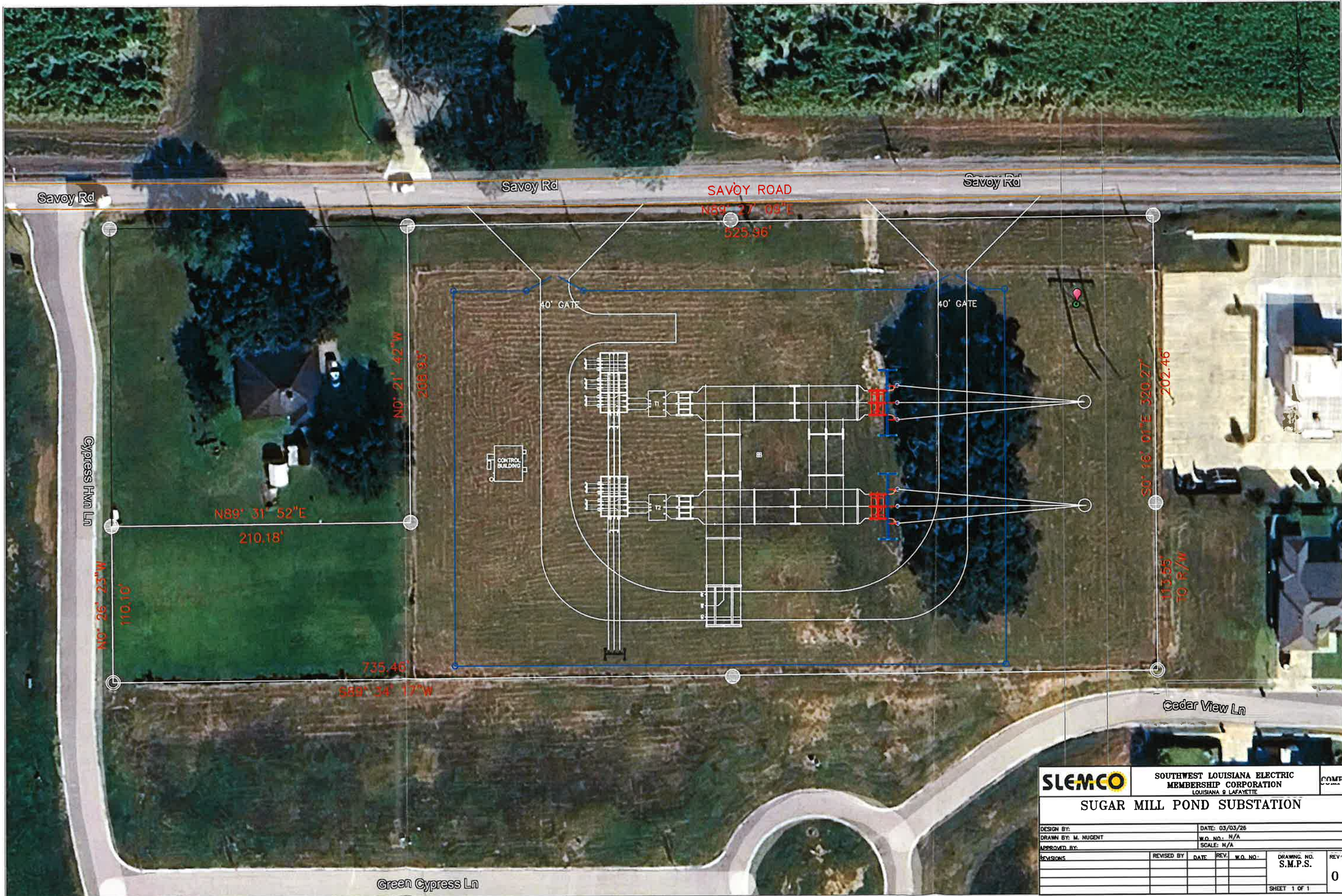
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### **Why This Matters**

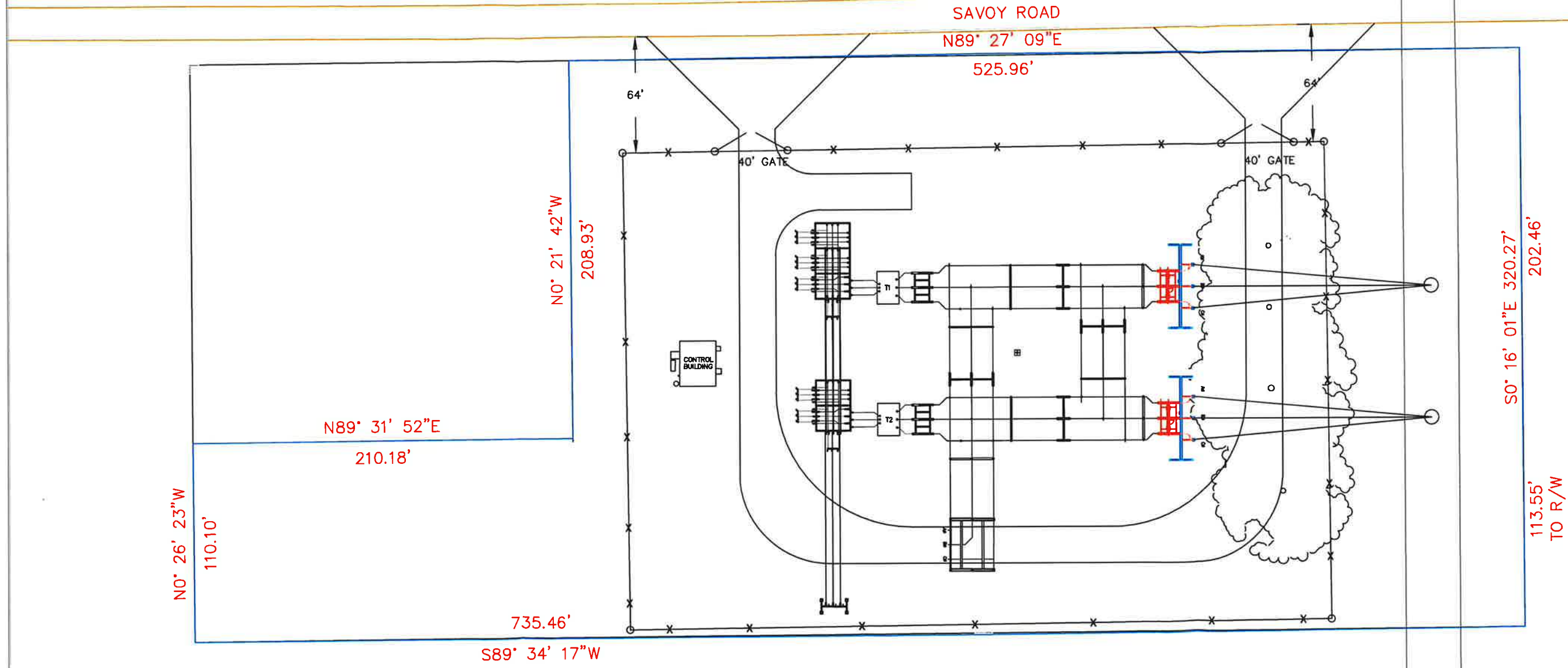
This project ensures:

- Reliable service for existing residents
- Capacity for continued growth
- Faster restoration during outages
- Long-term cost stability
- Safe system operation

Delaying these upgrades would increase the risk of outages, equipment failures, and higher future costs.



<b>SLEMCO</b>		SOUTHWEST LOUISIANA ELECTRIC MEMBERSHIP CORPORATION LOUISIANA & LAFAYETTE		COMP		
<b>SUGAR MILL POND SUBSTATION</b>						
DESIGN BY:	DATE: 03/03/26					
DRAWN BY: M. NUGENT	W.O. NO.: N/A					
APPROVED BY:	SCALE: N/A					
REVISIONS	REVISED BY	DATE	REV.	W.O. NO.	DRAWING NO. S.M.P.S.	REV. 0
SHEET 1 OF 1						



<b>SLEMCO</b>		SOUTHWEST LOUISIANA ELECTRIC MEMBERSHIP CORPORATION LOUISIANA & LAFAYETTE		COMP		
<b>SAVOY RD SUBSTATION</b>						
DESIGN BY:	DATE: 02/27/26					
DRAWN BY: M. NUGENT	W.O. NO.: N/A					
APPROVED BY:	SCALE: N/A					
REVISIONS	REVISED BY	DATE	REV.	W.O. NO.	DRAWING NO. S.M.P.S. SITE	REV.
						0
SHEET 1 OF 1						



# City of Youngsville

## Heritage Live Oak Tree Permit Application

### Section 1 - Applicant Information

Applicant Name Southwest Louisiana Electric Membership Corporation (SLEMCO)

Mailing Address P. O. Box 90866 Lafayette, LA 70509

Phone Number 337-896-5384

Email \_\_\_\_\_

Relationship to Property:  Property Owner  Contractor  Other: \_\_\_\_\_

### Section 2 - Property Information

Property Address 1029 Savoy Rd, Youngsville, LA

Parcel ID (if known) 6156164

Zoning District Unknown

### Section 3 - Tree Information

For each Heritage Live Oak, provide the following: [See Page 4](#)

Tree #: \_\_\_\_\_ Location: \_\_\_\_\_ Circumference (in): \_\_\_\_\_ Diameter (in): \_\_\_\_\_

Condition: \_\_\_\_\_

Tree #: \_\_\_\_\_ Location: \_\_\_\_\_ Circumference (in): \_\_\_\_\_ Diameter (in): \_\_\_\_\_

Condition: \_\_\_\_\_

### Section 4 - Type of Work Requested

Removal

Significant Alteration (pruning/trimming exceeding 25% canopy/height)

### Section 5 - Reason for Request

Hazardous tree - risk to safety/property

Diseased, dead, or dying

Interferes with necessary vehicular traffic lanes

Prevents construction/installation of utility lines or drainage facilities

Economic hardship (explain):

Explain in detail why this work is necessary and how it will enhance public health, safety, welfare, or benefit the public interest: Construction of new electrical substation to accomodate the growth within the Youngsville area.

# City of Youngsville

## Heritage Live Oak Tree Permit Application

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### Section 6 - Supporting Documentation (required for review)

- Site plan or sketch showing tree location(s)
- Photographs of tree(s)
- Arborist report (ISA-certified)
- Proposed mitigation/replacement plan (if removal requested)

### Section 7 - Applicant Certification

I hereby certify that all information in this application is true and complete to the best of my knowledge. I understand that any work performed without an approved permit may be subject to penalties including fines, imprisonment, and mandatory replacement of trees as outlined in Sec. 120-7 of the City Code.

Applicant Signature 

Date 3/11/26

### For City Use Only

Application No. \_\_\_\_\_

Date Received \_\_\_\_\_

Reviewed By \_\_\_\_\_

ISA Arborist Review Required?  Yes  No

### Decision:

- Approved - Removal
- Approved - Significant Alteration
- Denied

Conditions/Notes \_\_\_\_\_

Authorized Signature \_\_\_\_\_

Date \_\_\_\_\_

For each Heritage Live Oak, provide the following:

Tree #: 1 Location: Savoy Rd Circumference (in): 215.4 Diameter  
(in): 68.56 Condition: See Arborist Report

Tree #: 2 Location: Savoy Rd Circumference (in): 189.6 Diameter  
(in): 60.35 Condition: See Arborist Report

Tree #: 3 Location: Savoy Rd Circumference (in): 183.6 Diameter  
(in): 58.44 Condition: See Arborist Report

Tree #: 4 Location: Savoy Rd Circumference (in): 141 Diameter  
(in): 44.88 Condition: See Arborist Report

**TREES UNLIMITED**



**OF LAFAYETTE, INC.**

**337-233-9126**

**CUTTING • PRUNING  
LAND CLEARING**

The trees closest to the transmission line have several holes in both the branches and the trunk. Upon inspection a probing rod was used to check for root rot and the depths of the holes.

These holes hold water and are causing rapid decay. Another issue is that these trees' branches are within 10 feet of the ground. They do not have a dominant leader causing them to produce many branches. Now they hold water at those branch collars which in turn is causing decay for these trees.

Thank you,

Rusty Laviolette

Rusty.treesultdinc@gmail.com

VP Trees Unlimited of Lafayette, LLC

Degreed Horticulturalist

Licensed Arborist #2269

4 1/2 ft