



POLE ATTACHMENT SERVICES QUARTERLY WORKSHOP

PRESENTED BY:
WAYLON SMEATHERS

Manager, Pole Attachment Services

JEREMY ORTEGA
Project Manager

RAUL ALANIS
Engineering Associate 1

JON GRAVES
Engineering Associate 1

07 MAR 2024



AGENDA

- **Safety**
- **General Topics**
- **Applications**
- **Requirements**
- **Wireless**
- **Projects**
- **Announcements**



SAFETY

SAFETY

WORKPLACE EYE WELLNESS MONTH



- Taking breaks is good eye health
 - Give your eyes a rest from the screen
 - Stretch breaks and wellness walks
- Follow the 20-20-20 rule
 - Set timer to look 20 feet away every 20 minutes for 20 seconds
 - Simple as looking away from your screen or looking out the window
- Practice Eye Ergonomics
 - Sit 18 – 25 inches away from screen and adjust brightness
 - Position screen to have slight downward angle
- Use Eye drops
 - Keep eyes from getting dry & itchy
- Wear protective eyewear at worksites
 - Prevents 90% of injuries
 - Construction, manufacturing, and other sites where risk is higher





GENERAL TOPICS

REGISTRATION & ANNUAL REPORTING FORM A1



- Is **Required** to be completed annually by **September 1st** of every year
- If your organization didn't submit the form, you will be contacted
- The form can be found on the Pole Attachment page on the CPS Energy website



Attaching Entity Registration & Annual Reporting Form

To be completed annually by September 1st or as required due to contact information changes

Submit form via email to poleattach@cpsenergy.com , Email Subject Line: Annual Registration & Reporting Form

Date Form Submitted to CPS Energy: _____

Attaching Entity General Information	
Attaching Entity Name	
Corporate Address	
Local Address	
Form Submitted by	
Telephone Number	
Email	
Does This Entity Hold a Certificate from the Public Utility Commission of Texas?	Y / N
If Yes, Indicate Certificate Number and Date Received	
Has This Entity Been Granted a Franchise, Licensee Agreement, Permit, or Ordinance by the City of San Antonio?	Y / N
If Yes, Indicate Certificate Number and Date Received	

A1 Registration & Annual Reporting Form

APPROVED ENGINEERING FIRMS



- The PAS team periodically identifies firms that have not submitted applications & then will remove them from the Approved Engineering Firms list
 - The list was updated(11/30) to reflect firms that were added & removed
- It takes 90 days for individual credentials to expire
 - The firms removed had been inactive for much longer
- Firms will need to re-apply to become approved, going through the entire approval process as if it were the first time

Engineering Firms that are collectively working on the applications & EMR design are to submit applications together

APPROVED ENGINEERING FIRMS



Engineering	Electrical Distribution Construction	One-Touch Transfer Construction	Vegetation Management
<ol style="list-style-type: none"> 1. AWE, LLC ★ 2. Binkley & Barfield ★★ 3. Black & McDonald ★★★ 4. Cobb Fendley ★★★ 5. Davey Resource Group ★★★ 6. DeBauche Comm. & Cons. Serv., LLC ★ 7. ENTRUST ★★★ 8. LJA Telecom ★★★ 9. Merrick & Company ★★★ 10. Mountain, LTD. ★★★ 11. Quanta Utility Eng. Services ★★★ 12. Surveying & Mapping, LLC ★★★ 13. TDC2, LLC ★ 14. Telecom Staffing, LLC ★★★ 15. TOP Engineers + ★★★ 16. Tower Engineering Prof., Inc. ★★★ 17. TRC, Inc. ★★★ 	<p>Chain Electric Pike Electric Greenstone</p>	<p>BComm Constructors, LLC Ervin Cable Construction, LLC Quest Utility Construction, Inc. S&S Cable Communications Tero Technologies Inc. TEXSTAR Enterprises, Inc. TX Superior Communications, LLC JC Communications ADB Companies A2 Total Telecom Services LLC B Robinson Inc. CJ Hood Communications US Aerial HMI Utilities</p>	<p>Asplundh Tree Expert Davey Tree Surgery McCoy Tree Surgery</p>

★ Option 1: Pole Loading Analysis (PLA) & Application submittal

★★ Option 2: Make ready engineering

★★★ Option 3: Pole Loading Analysis (PLA), Application submittal & Make ready engineering

NEW DISTRIBUTION OPERATIONS MANAGER - TRC



Michael P. Anderson

- Joined TRC February 2024
- 25 Years of experience in Power Distribution, Civil, and telecommunications industry. Obtains strong analytical and excellent communication skills. Michael is a great addition to the team!
- Contact Information:
 - Email: mpanderson@trccompanies.com
 - Cell: (913)-636-9325

PAS GIS TRAINING CLASSES

GENERAL TOPICS



- Future Proposed Trainings – Please submit the name & company to get on the list for the next available training
 - Date: Near future (working on scheduling)
 - Next class is @ capacity, continue to submit for future training sessions
 - Duration: 5 days Mon – Fri
 - Location: Virtual
- For more information, please email poleattach@cpsenergy.com
- The maximum class size is 6 & the minimum is 3
- **You will receive a set-up walkthrough from the GIS team that needs to be completed prior to the course starting**

PAS GIS TRAINING CLASSES

GENERAL TOPICS



- GIS training **DOES NOT** cover:
 - Pole Attachment Standards
 - Pole Attachment Process
 - **Replace Design Training**
- GIS Training **DOES** cover basic GIS design training to submit EMR designs which include:
 - Transformers, Streetlights Etc.
 - Pole change outs (PCO)
 - Setting mid-span poles

CPS Energy led GIS training isn't a replacement for design training

PAS GIS TRAINING CLASSES

POLE APPLICATION PROCESS



Engineering Firms should:

- Make sure that all new &/or replacement employees as well as contractors are trained on
 - Pole Attachment Standards & pole attachment process
 - Electrical make ready designs to streamline the rejections
- Continue to train their employees on the importance of communication regarding worker safety zones & applicable clearances

It's the engineering contractor's responsibility to learn how to fill out the application & understand CPS Energy standards



APPLICATIONS

COMMON APPLICATION REJECTIONS



- Application missing required information
 - CPS Energy Pole number (PL#) missing on application
 - Make ready not called for on the application
 - Missing required attachments at submittal of application
- Mistakes on Pole Loading Analysis
 - All existing violations on pole are not fixed or creates a new violation
 - Incorrect construction grades
 - Missing cables on pole
 - Incorrect cable tensions
 - Mid-span clearance issues
- The application review shot clock will reset with every application rejection
- Contractors should NOT change the attaching entities application name on rejections, only a REV designation should be added to the end of the application name
 - Example – Tag Number-Year-Application *Number_REV#

*Needs to be a new revision number, otherwise it causes billing issues

COMMON APPLICATION REJECTIONS



- Pole Loading Analysis (PLA) Report(s) should include coversheet stamped by a PE, or each individual PLA Report is to be stamped
- Pole information on PLA Reports should reflect that of application height information. Pole Capacity Utilization Percentage should also match on Application & more UTD PLA Reports
- Correct wire Sizes/Types, Equipment Sizes/Types, Tensions & Ownership need to be utilized
- Anchor(s)/Downguy(s) at appropriate Lead Lengths/Attachment Heights, as shown on the application. (If applicable)
- Pole Number, Class/Height, Species & Construction Grade, shown as it exists or is proposed on the application

PLA Analysis shall be valid for no longer than six (6) months from the time of Application Submission. After six (6) months, a new PLA analysis will be required

GIS DESIGN PAGE EXAMPLES

REQUIRED FIELDS IN THE HEADER



<p>CONSTRUCTION COMPLETED</p> <p>BY: _____</p> <p>DATE: _____</p> <p>CONST: _____</p> <p>CTL: _____</p> <p>FERG MAP PAGE 583-B4</p>	OVERHEAD ELECTRIC DESIGN		PROJECT #	E-0070
	[Redacted]			
	[Redacted]		DATE	4/07/2023
	[Redacted]		Job Description:	MAKE READY (4)
	1 OF 1		ADDRESS:	238 NORMANDY AVE ALAMO HEIGHTS, TX
	ESD			
	X	2137177	Y	13723674
			H111, G131	1" = 100'
	CLEAR		SWITCH	TELEPHONE
	NOTED ON SWITCH		CONDUIT	ELECTRICAL
		SCHEMATIC	OTHER	
		0		
ESTIMATED MAN HOURS		SKETCH SIZE 11 X 17 1" = 100'		

Header Block Example

- WR #: Auto-populated
- Project #: E-0070
- Title: Attacher_Application#_App
Title_WR Type
 - EX: Spectrum#12345 – Good Job – MR
- Notes
 - Job Description:
 - Client Make Ready(x):
 - (x): number of EMR location design
 - Address of the first EMR Location on design

GIS DESIGN PAGE EXAMPLES

REQUIRED FIELDS IN THE HEADER



	OVERHEAD ELECTRIC DESIGN		PROJECT #	E-0070
	WITH REQUESTOR'S NAME WITH REQUESTOR'S FULL ADDRESS			
CONSTRUCTION COMPLETED BY: _____ DATE: _____ CONST. CTRL: _____	DATE PLANNED 4/07/2023	DATE OF WORK 4/07/2023	Job Description: MAKE READY (4)	
	1 OF 1 ESD		ADDRESS: 238 NORMANDY AVE ALAMO HEIGHTS, TX	
X 2137177		Y 13723674		H111, G131 1" = 100'
CLEAR <input type="checkbox"/> OPEN <input type="checkbox"/> SWITCH <input type="checkbox"/> TELEPHONE <input type="checkbox"/> UNDER <input type="checkbox"/> ELECTRICAL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER <input type="checkbox"/>				
FERG MAP PAGE 583-B4				
ESTIMATED MAN HOURS			SKETCH SIZE 11 X 17 1" = 100'	

Header Block Example

- Planned by: Designer name
- Planner's phone #
- Date Planned: Auto-populated
- Reviewed by & phone #:
 - ZCASSIDY 210-679-2945
 - SCHAVEZMART 210-947-2759
- PAGE#
- CPS Service Center
- X&Y Coordinates
- Circuit # (All the circuits need to be listed)
- Scale: 1 1"=100'
- Buried Facilities: need to be marked
- Ferg Map: all map #s to be listed

GIS DESIGN PAGE EXAMPLES

REQUIRED FIELDS PAGE TEMPLATE NOTE

Seal	Outages	Locates & Permits ATTN: CONSTRUCTION FOR ALL LOCATIONS. ALAMO HEIGHTS ROW PERMIT IS REQUIRED CPS APPLICATION AND PROJECT MAP ATTACHED AT TASK 2360 IN RMBS SABIS & CPS GAS MAP ATTACHED AT TASK 2360	Environmental Notes ENVIRONMENTAL CHECKLIST & APPROVAL ATTACHED AT TASK 2360	Miscellaneous Notes CONTACT DESIGNER 48 HRS PRIOR TO CONSTRUCTION AT (213) [REDACTED] OR [REDACTED] COM OR [REDACTED] SUPERVISOR AT (213) [REDACTED] COM **SPECTRUM WORK REQUIRED** AT OP#1.A **BEST WORK REQUIRED** AT OP#1 **GRANDE WORK REQUIRED** AT OP#1.A **CPS FIBER WORK REQUIRED** AT OP#1 **COSA WORK REQUIRED** AT OP#1 ATTN: SCHEDULER ALL POLES ARE STANDARD PLACEMENT UNLESS NOTED OTHERWISE	N ↑
	Associated Work Orders		Field Meeting Notes ** HAND DIG REQUIRED ** AT OP#1 ** STAKED LOCATION ** AT OP#1, SET POLE 7' W OF PL178963 ** AT OP#1 ** SET POLE 2' N OF EXISTING		
	NO OUTAGES REQUIRED				
	N/A	OP#1: DIG TESS# [REDACTED] DATE: 4/5/2023 OP#4: DIG TESS# [REDACTED] DATE: 4/5/2023 ATTN: CONSTRUCTION AT OP#4. PRIOR TO ADJUST CPS FIBER CABLING, PLEASE CONTACT WITH TODD DIEBEL, 210-353-4956			

Page Template Note Example

- Seal: PE seal needed by T-5000 approval on all EMRs over **\$8,000** then N/A
 - If under \$8,000 then N/A
- Outages
- Associated Work Orders: PALMR OH, PALMR UG, PALUPG
- Locates & permits:
 - City/County /TXDOT/RR/etc. permit notes
 - DIG TESS/SAWS/City Water & Sewer/etc.
- Environmental Notes

GIS DESIGN PAGE EXAMPLES

REQUIRED FIELDS PAGE TEMPLATE NOTE

Seal	Outages	Locates & Permits	Environmental Notes	Miscellaneous Notes	N ↑
	Associated Work Orders		Field Meeting Notes		
	NO OUTAGES REQUIRED	ATTN: CONSTRUCTION FOR ALL LOCATIONS, ALAMO HEIGHTS ROW PERMIT IS REQUIRED CPS APPLICATION AND PROJECT MAP ATTACHED AT TASK 2360 IN RMBS SABIS & CPS GAS MAP ATTACHED AT TASK 2360	ENVIRONMENTAL CHECKLIST & APPROVAL ATTACHED AT TASK 2360	CONTACT DESIGNER 48 HRS PRIOR TO CONSTRUCTION AT (213) [REDACTED] OR [REDACTED] SUPERVISOR AT (213) [REDACTED] COM "SPECTRUM WORK REQUIRED" AT OP#1.A "FIBER WORK REQUIRED" AT OP#1 "GRANDE WORK REQUIRED" AT OP#1.A "CPS FIBER WORK REQUIRED" AT OP#1 "COSA WORK REQUIRED" AT OP#1 ATTN: SCHEDULER ALL POLES ARE STANDARD PLACEMENT UNLESS NOTED OTHERWISE	
	N/A	OP#1: DIGTSSM [REDACTED] DATE: 4/3/2023 OP#4: DIGTSSM [REDACTED] DATE: 4/3/2023 ATTN: CONSTRUCTION AT OP#4. PRIOR TO ADJUST CPS FIBER CABLING, PLEASE CONTACT WITH TODD DIEBEL, 210-353-4956	** HAND DIG REQUIRED ** AT OP#1 ** STAKED LOCATION ** AT OP#1, SET POLE 7'4" W OF PL178963 ** AT OP#4 ** SET POLE 2' N OF EXISTING		

Page Template Note Example

- Field meeting notes
 - Hand dig
 - Staked location
 - Any field coordination notes:
 - CPS Fiber
 - Detaching streetlight
 - Property access
 - Etc.
- Miscellaneous Notes
 - Contact designer note
 - Standard/non-standard placement not for PCO & MS locations
 - Etc.

APPLICATION SUBMITTALS



		FOR C		
Approved By		<p>When Attaching Entity proposes Electrical Make-Ready, include Work Request # from CPS Energy Electrical Construction Design here</p>	12345678	
Title				
Telephone number				
Approval Date				
Date	9/2/2022		CPS WR# (if needed)	
City/Township	San Antonio	<p>Nearest Street Address reflects the Numerical and Street Name portions of address</p>	Attaching Company	
State	Texas		Application Number tag# - year - unique client app. #	XX-2022-Walnut Creek PT2_REV1
Nearest Street Address	1234 Washington Drive	<p>XX: Attaching Entity Tag # App/Email Subject/File Names should all reflect same Application Number</p>	By	John Doe
X-Coordinates	29.123456°N		Title	Distribution Technician
Y-Coordinates	-98.444444°W		phone number	123-456-7890

Reminders for Application Header Data

Proposed Cable Data and Existing Cable Data (Existing only if overlashing)

APPLICATION SUBMITTALS



One Touch Transfer: Make Ready or Upgrade & Simple or Complex	Remedy Description and Explanation/ Additional Comments/Variance Requests	Responsible Party: Attacher or CPS	Existing CPSE Red Tag on Pole	Pole Data Missing in GIS (if yes fill out Missing Pole Data worksheet)	CPSE Application Comments
Make Ready Simple	<p>EXAMPLES:</p> <ul style="list-style-type: none"> - Raise Streetlight - Raise Secondary Drip Loop - Sheath Streetlight 	Attacher	No	No	<p>Include any additional information (non-remedy) here.</p> <p>EXAMPLES:</p> <p>***</p> <ul style="list-style-type: none"> - Pole Tag on Pole fielded as PL123456; GIS shows as PL987654 - Pole found in field as 50/CL2 and GIS reflects 45/CL3 - Install 1/4" EHS Downguy at 23'-6" and 8" single helix (Class 4) 3/4 anchor rod at 15'-0" - Install 2" PVC Riser at 23'-0"

Any non-remedy
comments should be
in CPSE Application
Comments

Reminders for Application Pole Rows

WORK MANAGER PROCESS



MAJOR TASKS

1000	Create Work Request	6000	Finalize and Lock Down Design
2125	Request Environmental Review	9100	Obtain ROW / Easement(s)
2130	Obtain Environmental Permit(s)	9200	Receive Customer Pre-Work Pay...
2280	Perform Field Survey / Obtain Data	11060	Submit Notice of Intent (NOI)
2305	Request Long Lead and/or Non-St...	11065	Underground Inspections
2310	Assign Designer / Supervisor	11100	Accept Work Request for Constru...
2360	Design Job	12271	Delay For Reason in Comments
2400	Request ROW / Easement From ...	12500	Schedule Work
2445	Obtain Permit(s)	12800	Send Scheduled Date to Customer
2450	Calculate Contribution Charges	16100	Perform Field Work
2460	Perform Supervisor Review of De...	16130	Submit Notice of Termination (NOT)
2605	Send Contribution Charges to Cus...	16500	Perform Initial Material Reconciliat...
2680	Indicate Official Revision	16900	Receive Customer Post-Work Pay...
5000	Perform Supervisor Approval	17000	Enter As-Builts
5100	Approve Work Request	18200	Close Work Request

- 2280 – Designer: Field work (locates, staked locations)
- 2360 – Designer: GIS Design
- 2460/2605 – Supervisor: Designer notifies supervisor by email that EMR is ready for review. Supervisor reviews the design & creates the CIAC invoice
- 2680 – Designer: if EMR project is completed (all permits attached, PE seal, etc.) designer IND of revision in GIS & must send an email to supervisor that design is ready for final approval
- 5000/5100 – Supervisor: Final approval

EMR Designer is the owner of the Work Order from start to close out & responsible for pushing the project through the process

WORK MANAGER PROCESS



MAJOR TASKS

1000	Create Work Request	6000	Finalize and Lock Down Design
2125	Request Environmental Review	9100	Obtain ROW / Easement(s)
2130	Obtain Environmental Permit(s)	9200	Receive Customer Pre-Work Pay...
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5000	Perform Supervisor Approval	17000	Enter As-Builts
5100	Approve Work Request	18200	Close Work Request

*NTP sent after EMR Post Inspection

- 6000 – Designer: Designer is responsible for:
 - Finalizing the design
 - Coordinates the tree trimming if needed
 - Applies for any pending ROW permits
 - Re-stakes proposed pole locations
 - Prepares for construction
- 9200 – Designer: receives notification when the CIAC has been paid
- 11100 – Designer: releases design to construction, emails scheduler
- 12500/12800/16100 – Scheduler/Construction
- **16500* – Designer: Must Request NTP**
- **17000 – Designer: enters As-Builts & submits for verification**
- 18200: Work order is closed

WORK MANAGER PROCESS

MAJOR TASKS



Attached Files

Remerge	Update	Refresh Date	Attachment File Name*	Description
		Nov 13, 2023	COSA_188645_20230831_extended.pdf	COSA PERMIT
		Oct 24, 2023	COSA_188645_20230831.pdf	COSA PERMIT
		Oct 24, 2023	WR#40761043 FINAL FOR CONSTRUCTION_PE Sealed.pdf	FINAL FOR CO
		Oct 06, 2023	40761043_2_202310061439_10-06-2023(14_39_35).pdf	DNU
		Jul 24, 2023	40761043_2_202307240832_7_24_2023(08_32_28).pdf	DNU

Total items: 22

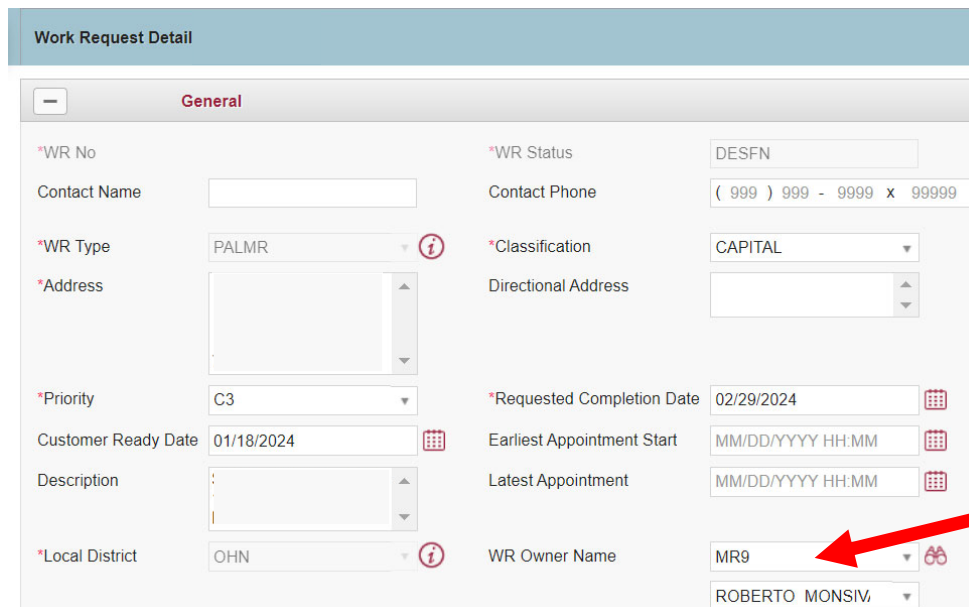
Attachments for Work Request

*These are not the only attachments that would need to be attached; This is not a comprehensive list

- 2460 for Entrust is Zsofia Cassidy (CZ) & for TRC is Steven Chavez Martinez (CSTE)
- Permit Attachments expected at task 2360*
 - Design for Review (preliminary)
 - Design for Construction (final)
 - Dig Tess (number should also be on the design)
 - Gas Maps
 - SAWS/Water Maps
 - CPS Energy Environmental forms/approvals (design notes should be in red)
- Permit attachments expected before 5000 approval
 - TXDOT approval
 - City/County approval

DESIGNER RESPONSIBILITY

- **The Designer is the owner of the Work Order & GIS from the creation through the As-Builts**
- Make sure that the designer's initials are indicated under Work Request Owner to ensure delivery of emails as tasks are completed



The screenshot shows a 'Work Request Detail' form with a 'General' tab. The form contains the following fields and values:

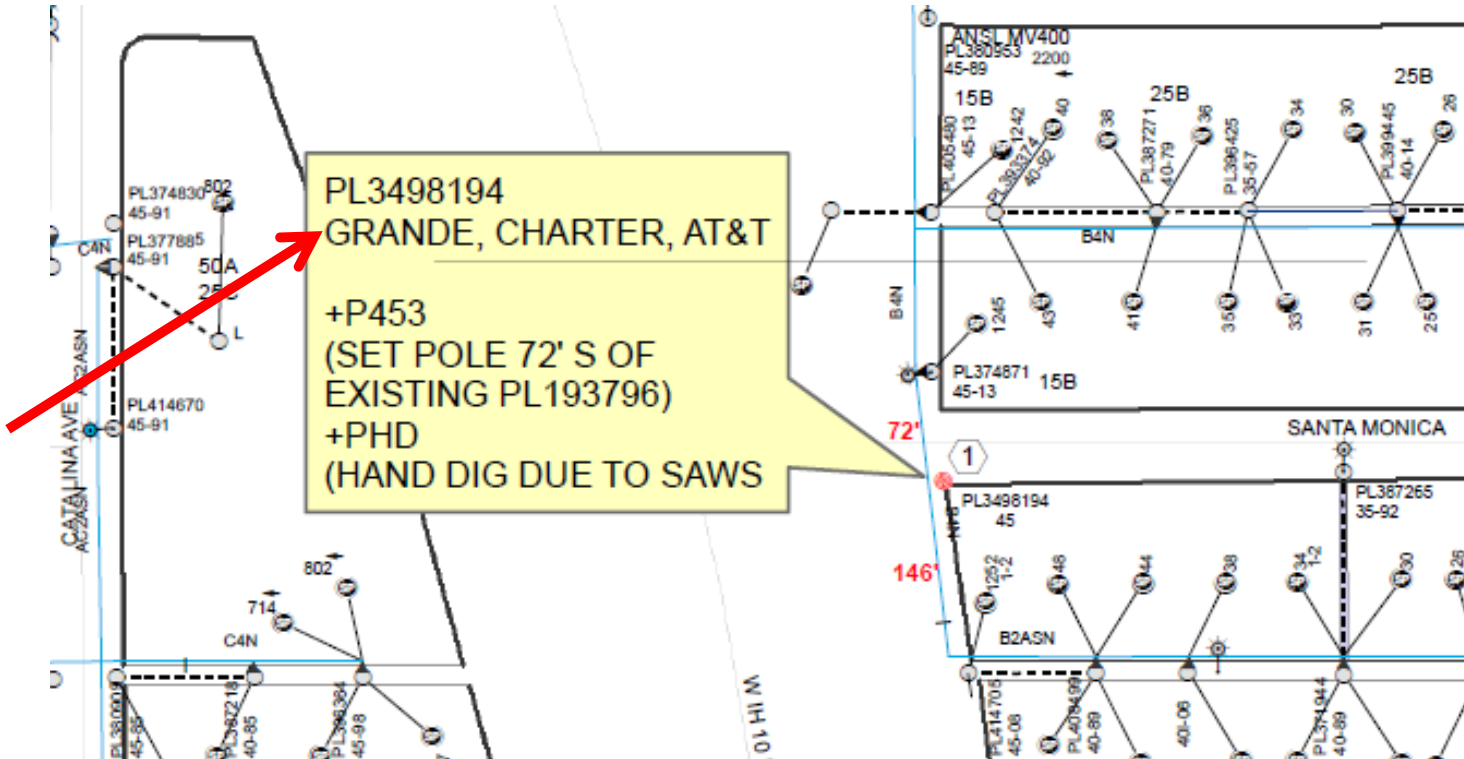
Field	Value
*WR No	
Contact Name	
*WR Status	DESFN
Contact Phone	(999) 999 - 9999 x 99999
*WR Type	PALMR
*Classification	CAPITAL
*Address	
Directional Address	
*Priority	C3
*Requested Completion Date	02/29/2024
Customer Ready Date	01/18/2024
Earliest Appointment Start	MM/DD/YYYY HH:MM
Description	
Latest Appointment	MM/DD/YYYY HH:MM
*Local District	OHN
WR Owner Name	MR9 ROBERTO MONSIV

A red arrow points to the 'WR Owner Name' field, specifically to the 'MR9' dropdown selection.

JOB SKETCHES

PROPER CALL OUT BOXES

Left to Right,
Top to Bottom



Proper call-outs on design sketches will save time & ensure that construction doesn't get delayed

POLE PHOTOS

- Applications must have **up to date** photo(s) from within last 6 months
 - May need a new photo if field conditions change, e.g.:
 - New attachment
 - Streetlight
- Combine photos into a single PDF
- **No Google Photos**



Taken in the field



Google

PROCESS STANDARDS

- Attachers must inform CPS Energy/Contractors when attachment construction is completed
 - Notice is required to initiate post construction inspection
 - Final permit will not be received until passing post construction inspection
- Wireline routes should follow existing CPS Energy pole lines



Pole line with communications attached

COMMUNICATION FIBER PLACEMENT

- Wireline routes should follow existing CPS Energy pole lines
- Attachers shall place their fiber on the same side of the pole as CPS Energy Fiber
 - Safety issues – Failure to do so causes a safety issue for CPS Energy Linemen that have to climb these poles
 - Attaching to the same side of the pole allows for a simpler and smoother transition when replacing poles
 - Reliability issue – longer outage times to restore power during emergencies



Attachments on same side

AS-BUILT CLEAN UP



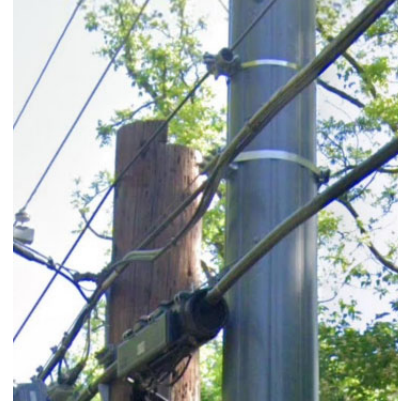
- CPS Energy is running weekly reports for work requests in As-Built Status
 1. Responsible designer shall review documents attached at task 16500 for As-Builts
 2. After entering and completing the as-builts, send revision for as-built verification through GIS
 3. In ARM, at Task 17000, add supervisor initials CZ or CSTE
 - "Completed on 03/07/2024 submitted to Entrust/TRC by SWAY"
- If the applicable designer has left the approved engineering firm's company, it is that engineering firm's responsibility to submit
- Supervisor that completed task 18200 shall notify designer that work request is closed



REQUIREMENTS

COMPOSITE POLES

- Drilling is not an option to attach
 - This includes messengered lines or risers
- Banding or steel clamps is required to attach to composite poles



Banding kit installed on a composite pole

Mounting block on banding kit for telecom attachment



Drilling for 3rd Party Attachments is Prohibited

SPACING CLARIFICATION

NEUTRAL ABOVE PRIMARY

- Distribution Poles where the Neutral is **above** the primary lines
- What vertical clearance requirements are there for communications attachments from the primary?
- 9'6" – the same as the construction standard for the neutral to primary spacing (Unless additional clearance is needed)



Vertical Configuration

TXDOT RIGHT OF WAY UPDATES

OVERHEAD ELECTRIC & COMMUNICATIONS LINES



- TXDOT has updated many of their regulations
- Biggest change for Pole Attachments is that the minimum height along any TXDOT right of way is 18'
 - Applies to crossings above highways as well as cables that run longitudinal to the road
- Right of Way regulations can be found in the TX Administration Code
- **Each firm needs to register under their own organization's credentials for their RULIS account**

To see these regulations & more, visit the [TXDOT website](#)

TAGGING

- Attachers have tagging requirements for
 - Attachments
 - Banner Attachments
 - Overlashings
 - Wireless installations
- Minimum of 95% of attachments need to be tagged



Proper Tag

NJUNS PROCESS & NEXT TO GO



- Attachers need to query NJUNS regularly to keep up with their Next to Go steps, PT tickets too
- Violation NTG steps will have a 5 day period to address NJUNS steps
 - Safety driven initiative
- As was stated earlier, NJUNS registration is a requirement for **ALL** attaching entities



Regularly checking NTG reporting is important to staying clear of violations & holding up jobs for other entities

COMMUNICATION TRANSFERS & SAFETY CONCERNS



- CPS Energy continues to stress the importance of communications transfers
- CPS Energy receives numerous complaints per year regarding double wood and braced poles
- These issues pose huge safety concerns for CPS Energy
- CPS Energy contractors will contact and coordinate the attaching entities to transfer their facilities as soon as possible
- If attachments are simple transfers, CPS Energy may use our approved construction contractors to transfer and pull the old poles



Stub Pole

NJUNS NOTIFICATIONS



- CPS Energy utilizes different types of NJUNS notifications:
 - Pole Transfers (PT) tickets
 - Violation (VIO) tickets
 - New (New) tickets
- NJUNS training materials can be found on the training page & includes:
 - NJUNS User's guide
 - Training Videos
 - Best Practices
- **If any attaching entity needs assistance or additional training, please reach out to the Pole Attachment Services team**

The next web-based training can be found at the [NJUNS Training page](#), where you can subscribe to receive notifications



WIRELESS

SMALL CELL REFRESHER



SAFETY

- Only approved electrical distribution construction contractors in the electrical space
- Pole top antenna 5' clearance from electrical primary
- No backup batteries permitted
- All wires must be protected by conduit or U-Guard
- All small cell equipment must be properly grounded
- All wireless antennas must have appropriate warning signs
- All small cell equipment will be de-energized prior to CPSE performing any work on pole
- Poles not accessible by bucket truck will not be available for small cell installation
- Ground cabinets must be 25' from pole
- Micro network nodes minimum clearance of 15" to 72" from pole

WIRELESS ATTACHMENT REMOVALS



- It is the responsibility of the wireless attacher to submit a removal application notifying pole attachment services & customer engineering
- Pole attachment services will remove those attachments from the yearly attaching count
- Customer engineering will do the work order to remove the service & meter to each site

WIRELESS ATTACHMENT MAKE READY



- It's the wireless providers responsibility to use the one-touch process to transfer all attaching entities on the old pole to the new so the old pole can be pulled
- If this is not done, pole attachment services will reject the permit as a gig



PROJECTS

JOINT TRENCHING AGREEMENT



- CPS Energy has posted the proposed Joint Trenching Agreement as of November 6th, 2023
 - All current Joint Trenchers were notified
 - Was posted for comment
 - Comments were due December 8th, 2023
 - Can be found on the Joint Trenching page [here](#)
- Once finalized, we will provide updates at the next quarterly

LIDAR DATA & LOW COMMUNICATION LINES ISSUES

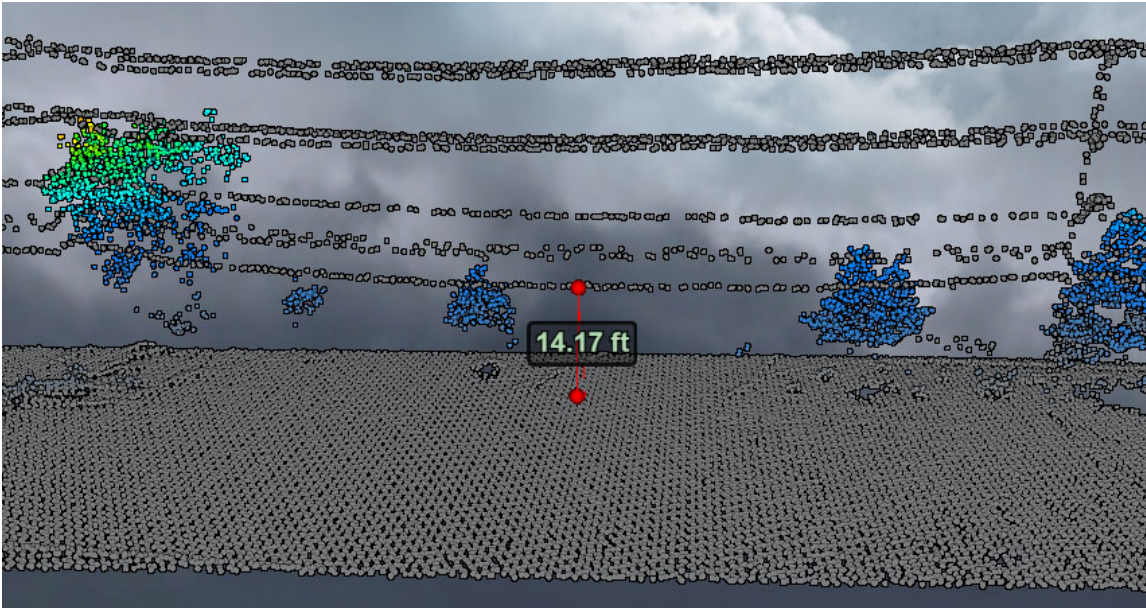


- LiDAR (**L**ight **D**etection **A**nd **R**anging) traditionally used to map out vegetation to identify areas needing trimming
- Identifying low hanging wires to prevent vehicular strikes
 - Safety
 - Reliability
- Will be identified as violations (VIO) in NJUNS, requiring accelerated response times
- **Service drops that violate height requirements will be sent as violation tickets, but will have a priority level of 3. These pose a smaller risk of bringing down poles, but are still in danger of being snagged**

OUTAGES AS A RESULT OF LOW COMMUNICATIONS LINES



4630 Hamilton Wolfe



LiDAR 3D View

LiDAR Data shows a clearance of 14.17 ft over this exit regularly used by Via busses

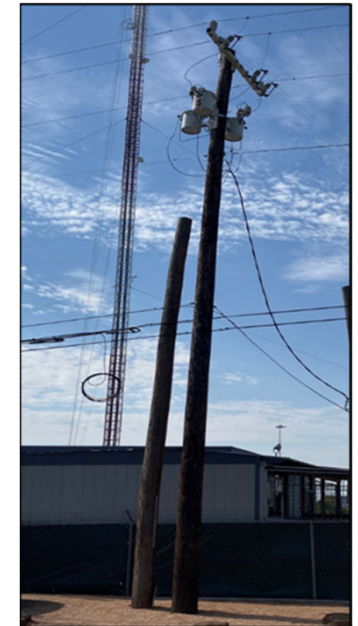
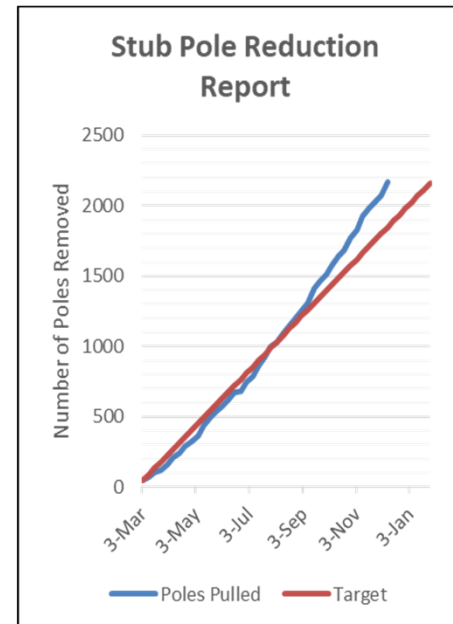
POLE ATTACHMENT INVENTORY



- Finalizing contract negotiations
- Inventory to begin 2024
- Expectation is for the inventory to be completed over 18 months
- Inventory is to account for pole attachments only, other facilities will not be inventoried
- Kickoff meeting with attaching entities

IDLE POLE PROJECT

- Pole Attachment Services (PAS) used the previous pole inventory to remove Idle Poles to improve the safety within the community
- The PAS team coordinated the removal of Idle Poles to reach the target of 2160 poles previous fiscal year
- We were able to meet the target & ended the Idle Pole Project as soon as target was met



Idle Pole



ANNOUNCEMENTS

ANNOUNCEMENTS



- Next Quarterly Dates:
 - 06 June 2024
 - 05 September 2024
 - 05 December 2024
- Pole Attachment Invoices will be going out when rates are finalized
- Rates to be posted on PAS website
- Contact poleattach@cpsenergy.com to get on the list for GIS training



THANK YOU