



POLE ATTACHMENT SERVICES QUARTERLY WORKSHOP

PRESENTED BY:

Jesse Lopez

Manager, Asset Health Program

25 MAY 2023

AGENDA



CPS ENERGY QUARTERLY PAS WORKSHOP

- **SAFETY**
- **GENERAL TOPICS**
 - **PAS TEAM UPDATE**
 - **GIS TRAINING**
 - **APPROVED CONTRACTOR LIST**
- **WORK MANAGER**
- **WIRELINER ATTACHMENT**
 - **TXDOT CLEARANCE UPDATES**
- **WIRELESS**
- **CPS ENERGY POLE INVENTORY**
- **LIDAR PROJECT & NJUNS TICKET PROCESS**
- **ANNOUNCEMENTS**

SAFETY

HOW TO PREVENT HEAT-RELATED ILLNESSES

Here are some things you can do to prevent heat-related illnesses:

- Conduct specific tailboard briefings that identify drinking water, the schedule of water and rest breaks, and the signs and symptoms of heat illness.
- **Ensure storage containers are cleaned and sanitized** before each use.
 - Water igloos can be checked out from your local storerooms.
- Make sure you have canopies to set up water stations closer to the job site.
 - Needing a canopy? – Speak with your leadership about getting one.
- Utilize the **OSHA-NIOSH Heat Safety Tool App**.
- Monitor urine using the **urine color chart guide** to help determine if they're staying hydrated.



Drink plenty of fluids, even if you're not thirsty

HYDRATION SUMMER FRUITS

Don't like drinking water? Fruits can be a great source of major hydration, just add some fresh fruit like slices of lime, lemon, berries, to your water bottle for some natural flavoring.



Strawberries are 91% water

Fruits with the highest water content are linked to hydration benefits, according to research published in **Nutrients and Nutrition Reviews**. These are the best hydrating Summer fruits to boost your H2O intake.

- **Watermelon**

- Watermelon is actually 92 percent water

- **Grapefruit**

- 88 percent of its weight coming from its water content, grapefruit is a potent hydrator.

- **Cantaloupe**

- Cantaloupe brings on the H2O big time — just one cup gives you more than half a cup of water

Do not discount the value of eating foods with high water content.
You may access more information on hydrating fruits by visiting [biotene](#)

GENERAL TOPICS

PAS TEAM UPDATES



MANAGER, POLE ATTACHMENT SERVICES



- Waylon Smeathers
- (BS) Engineering Technology from Southern Illinois University
- Joined CPS Energy in April 2023
- Previously was the Joint Use Supervisor for three years at Ameren in St. Louis
- wsmeathers@CPSEnergy.com

PAS TEAM UPDATES



ENGINEERING ASSOCIATE 1



- Raul Alanis
- (BS) Electrical Engineering from the University of Texas at San Antonio
- Joined CPS Energy in January 2023
- Previously worked as a Senior Design Engineer at Entrust
- ralanis@CPSEnergy.com

PAS TEAM UPDATES



ENGINEERING ASSOCIATE 1



- Jon Graves
- (BS) Electrical Engineering from the University of Texas at San Antonio
- Joined CPS Energy January 2023
- Previously worked at SRC as an Electronic Warfare Engineer
- jgraves@CPSEnergy.com

REGISTRATION & ANNUAL REPORTING FORM A1



 Attaching Entity Registration & Annual Reporting Form

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

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

Date Form Submitted to CPS Energy: _____

- Is **Required** to be completed annually by **June 1st** of every year
- The form can be found on the Pole Attachment page on the CPS Energy website
- Used to update the Appendix K contacts list

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	
Has This Entity Been Granted a Franchise, Licensee Agreement, Permit, or Ordinance by a Suburban City in the CPS Energy Service Area?	Y / N
If Yes, Indicate City, Certificate Number and Date Received	

Is This Entity an Infrastructure Provider as Defined by the Standards?	Y / N
If Yes, Please Identify All Infrastructure Provider Sublicensees Under Contract	

A1 Registration & Annual Reporting Form

PAS GIS TRAINING CLASSES



GIS TRAINING

- To date, CPS Energy has held 6 trainings with more than 20 companies
- Future Proposed Trainings – Please submit the name & company to get on the list for the next available training
 - Date? (need minimum of 3 personnel to secure)
 - Duration: 5 days Mon – Fri
 - Location – Virtual
- For more information, please email poleattach@cpsenergy.com
- There is currently a course going on right now

There is a maximum class size of 6 people & a minimum of 3

PAS GIS TRAINING CLASSES



GIS TRAINING CONTINUED

- GIS* training **DOES NOT**:
 - Pole Attachment Standards
 - Pole Attachment Process
 - **Replace Design Training**
- GIS Training **DOES** cover basic GIS design training to submit EMR designs which include:
 - Moving neutrals
 - Pole change outs (PCO)
 - Raising drip loops

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

*Not a replacement for design training

PAS GIS TRAINING CLASSES



POLE APPLICATION PROCESS

Engineering Firms should:

- make sure that all new and/or replacement employees as well as contractors are trained on
 - pole attachment standards and 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 contractors responsibility to learn how to fill out the application & understand CPS Energy standards

APPROVED ENGINEERING FIRMS



- During the September Quarterly, it was announced that CPS Energy would evaluate & trim the list of Approved Engineering Firms
- The PAS team has identified firms that have not submitted applications since August of 2022
 - The list will be updated on the website shortly
- It only takes 90 days for individual credentials to expire
 - The firms being removed have 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
 - GIS training can be waived for personnel that have completed the training previously

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

APPROVED ENGINEERING FIRMS



Approved Pole Attachment Contractors



Engineering
1. Binkley & Barfield ★★★
2. Cobb Fendley ★★★
3. Davey Resource Group ★★★
4. DeBauche Comm. & Cons. Serv., LLC ★
5. ENTRUST ★★★
6. LJA Engineering ★★★
7. Quanta Utility Engineering Services ★★★
8. Survey & Mapping, LLC ★★★
9. TDC2, LLC ★
10. Telecom Staffing, LLC ★★★
11. Tower Engineering Prof., Inc. ★★★
12. TRC, Inc. ★★★

Electrical Distribution Construction
Chain Electric
Pike Electric
Greenstone

One-Touch Transfer Construction
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

Vegetation Management
Asplundh Tree Expert
Davey Tree Surgery
McCoy Tree Surgery

- Engineering Firms that haven't been submitting applications have been removed
- Removed Firms will need to resubmit applications to become Approved Engineering Firms
- New Engineering Firms in process to be added

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

★★ Option 2: Make ready engineering

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

Approved Engineering Firms

WORK MANAGER

GIS DESIGN PAGE EXAMPLES



REQUIRED FIELDS IN THE HEADER


<p>CONSTRUCTION COMPLETED</p> <p>BY: _____</p> <p>DATE: _____</p> <p>CONST CTR: _____</p> <p>FERG MAP PAGE 583-B4</p>	OVERHEAD ELECTRIC DESIGN		PROJECT #	E-0070	
	WORK REQUEST NO.		WORK REQUEST TITLE / ADDRESS		
	PLANNED BY	PHONE	DATE PLANNED	NOTES	
	REVIEWED BY	PHONE	4/07/2023	Job Description:	
	PAGE		MAKE READY (4)		
	1 OF 1		ADDRESS:		
	SERVICE CENTER		238 NORMANDY AVE		
	ESD		ALAMO HEIGHTS, TX		
	X 2137177		Y 13723674	H111, G131	1" = 100'
	CITY		WATER	TELEPHONE	SEWER
CLEAR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NOTED ON SKETCH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
COPIES		TOTAL			
		0			
ESTIMATED MAN HOURS		SKETCH SIZE 11 X 17 1" = 100'			

Header Block Example

- WR#: Auto-populated
- Project #: E-0070 (AT&T PC E-0069)
- 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

 <p>CONSTRUCTION COMPLETED</p> <p>BY: _____</p> <p>DATE: _____</p> <p>CONST CTR: _____</p> <p>FERG MAP PAGE 583-B4</p>	OVERHEAD ELECTRIC DESIGN		PROJECT #	E-0070	
	WORK REQUEST NO.		WORK REQUEST TITLE / ADDRESS		
	PLANNED BY	PHONE	DATE PLANNED	NOTES	
	REVIEWED BY	PHONE	4/07/2023	Job Description: MAKE READY (4)	
	PAGE		ADDRESS:		
	1 OF 1		238 NORMANDY AVE		
	SERVICE CENTER		ALAMO HEIGHTS, TX		
	ESD		JOB# (if any)		
	X 2137177		Y 13723674	H111, G131 1" = 100'	
	CITY		WATER	TELEPHONE	SEWER
CLEAR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NOTED ON SKETCH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
COPIES		TOTAL			
		0			
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 #:
 - EDELGADO 210-245-3731
 - ZCASSIDY 210-679-2945
- Page#
- CPS Service Center
- X&Y Coordinates
- Circuit# (All the circuits need to be listed)
- Scale: 1"=100'
- Buried Facilities: need to be marked
- Ferg Map: all map #s to be listed

GIS DESIGN PAGE EXAMPLES



REQUIRED FIELDS IN 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 WMIS SAWS & CPS GAS MAP ATTACHED AT TASK 2360 OP#1: DIG TESS# [REDACTED] DATE: 4/3/2023 OP#4: DIG TESS# [REDACTED] DATE: 4/3/2023 ATTN. CONSTRUCTION, AT OP#4, PRIOR TO ADJUST CPS FIBER CABLING, PLEASE CONTACT WITH TODD DIEBEL. 210-353-4956	Environmental Notes ENVIRONMENTAL CHECKLIST & APPROVAL ATTACHED AT TASK 2360 Field Meeting Notes ** HAND DIG REQUIRED ** AT OP#1 ** STAKED LOCATION ** AT OP#1, SET POLE 74' W OF PL178863 ** AT OP#4 ** SET POLE 2' N OF EXISTING	Miscellaneous Notes CONTACT DESIGNER 48 HRS PRIOR TO CONSTRUCTION AT (210) [REDACTED] OR [REDACTED].COM OR [REDACTED] SUPERVISOR AT (210) [REDACTED].COM **SPECTRUM WORK REQUIRED ** AT OP#1,4 **AT&T WORK REQUIRED ** AT OP#4 **GRANDE WORK REQUIRED ** AT OP#1,4 ** CPS FIBER WORK REQUIRED ** AT OP#4 ** COSA WORK REQUIRED ** AT OP#4 ATTN. SCHEDULER: ALL POLES ARE STANDARD PLACEMENT UNLESS NOTED OTHERWISE	
	Associated Work Orders				

Page Template Note Example

- Seal: PE seal needed by T-5000 approval on all EMRs over \$8,000 CIAC cost
 - If under \$8,000 then N/A
- Outages
- Associated Work Orders: PALMR OH, PALMR UG, PALMR AT&T PCO, 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 IN 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 WMIS SAWS & 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 (210) [REDACTED] OR [REDACTED].COM OR [REDACTED] SUPERVISOR AT (210) [REDACTED].COM **SPECTRUM WORK REQUIRED** AT OP#1.4 **AT&T WORK REQUIRED** AT OP#4 **GRANDE WORK REQUIRED** AT OP#1.4 **CPS FIBER WORK REQUIRED** AT OP#4 **COSA WORK REQUIRED** AT OP#4 ATTN. SCHEDULER: ALL POLES ARE STANDARD PLACEMENT UNLESS NOTED OTHERWISE	
	Associated Work Orders	OP#1: DIGTSS# [REDACTED] DATE: 4/3/2023 OP#4: DIGTSS# [REDACTED] DATE: 4/3/2023 ATTN. CONSTRUCTION, AT OP#4, PRIOR TO ADJUST CPS FIBER CABLING, PLEASE CONTACT WITH TODD DIEBEL. 210-353-4956	Field Meeting Notes ** HAND DIG REQUIRED ** AT OP#1 ** STAKED LOCATION ** AT OP#1, SET POLE 74' W OF PL178863 ** 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			
Title			
Telephone number			12345678
Approval Date			CPS WR# (if needed)
Date	9/2/2022		Attaching Company
City/Township	San Antonio		Application Number
			tag# - year - unique client app. #
State	Texas		XX-2022-Walnut Creek PT2_REV1
Nearest Street Address	1234 Washington Drive		By John Doe
X-Coordinates	29.123456"N		Title Distribution Technician
Y-Coordinates	-98.444444"W		phone number 123-456-7890

Ensure Date in Header (here) reflects Date of Application Submission

When Attaching Entity proposes Electrical Make-Ready, include Work Request # from CPS Energy Electrical Construction Design here

Nearest Street Address reflects the Numerical and Street Name portions of address

XX: Attaching Entity Tag # App/Email Subject/File Names should all reflect same Application Number

Reminders for Application Header Data

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

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 [Fill out Missing Pole Data Worksheet] - 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

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
- **21 day application review 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.

COMMON APPLICATION REJECTIONS



- Existing attachments are attachments that already have final permits issued by CPS Energy
- Installations prior to submitting applications or having a final permit from CPS Energy will be treated as new attachments and will be held to new attachment standards
- **Even if the application has passed the 21 day review mark, it is still considered as a new attachment and not an existing attachment**

Unauthorized attachments will be penalized as laid out in the Pole Attachment Standards

Pole Photos



Time Stamped Photo



Google Street View

- Applications must have **time stamped photo(s)** from within the last six (6) months
- May need a new photo if field conditions change
 - New attachment
 - Streetlight
 - Etc.
- Combine photos into a single PDF
- **No Google Photos**

POST INSPECTIONS



- Notice of new attachment construction completion must be submitted to the original reviewer & CPS Energy inbox poleapplications@cpsenergy.com within 90 days in order for CPS to do the post inspection & issue the pole attachment permit
- If an extension is needed after the NTP is received, due to not being able to build; the request needs to be sent in a timely manner to CPS Pole Applications inbox (listed above)
 - Courtesy emails will be sent out as a reminder that the 90 day post inspection is past due
 - Auto-post-fiber-inspection will be implemented if no post construction communication has been sent to Entrust and/or TRC
- Wireless post inspection is required to notify TRC/Entrust to do the post inspection before the meter is installed to avoid an outage & higher cost to remedy the gig

Final permits are NOT issued until the construction post inspection has been satisfied. Jobs are not completed until final permitting has been issued.

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 till close out & responsible for pushing the project through the process

WORK MANAGER PROCESS



MAJOR TASKS

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2125	Request Environmental Review	9100	Obtain ROW / Easement(s)
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5000	Perform Supervisor Approval	17000	Enter As-Builts
5100	Approve Work Request	18200	Close Work Request

Work Request Task List

*NTP sent after EMR Post Inspection

- 6000 – Designer: Designer is responsible for
 - Finalizes 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

Refresh Date	Attachment File Name	Job Instruction?	Flexible Web Report?	Viewable?	Platter?	Description	Template Name	Path
	40292154_2_201905071113_5407201911_13	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	DO NOT USE		Map
	40292154_2_201906091704_6405201911_04	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	DO NOT USE		Map
	40292154_2_201907021305_7302201911_35	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	READY FOR CONSTRUCTION		Map
	40292154_2_201908071125_8407201911_25	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	DO NOT USE		Map
	5131N Medina- Adrian COA_Power Pole Replac	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Certificate of Appropriateness - COA		Map
	B91327693_LONE STAR 811.pdf	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	811 TICKET		Map
	EPIC SHEET FINAL FOR CONSTRUCTION WR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			Map
	GAS MAP.pdf	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CPS GAS MAP		Map
	InternetMail_SADT_MORALES_HAVEN_SC Em	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ENVIRONMENTAL CHECKLIST EMAIL		Map
	REC_156580.pdf	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SAWS RECYCLE MAP		Map
	SWR_156580.pdf	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SAWS SEWER MAP		Map
	WTR_156580.pdf	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SAWS WATER MAP		Map

Attachments for Work Request

- 2460 For Entrust is Zsofia Cassidy (CZ) & for TRC is Elizabeth Teran-Delgado (TDEL)
- 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 Environmental forms/approvals (design notes should be in red)
- Permit attachments expected before 5000 approval
 - TXDOT approval
 - City/County approval

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

TEMPORARY ATTACHMENT FORM & WAIVER REQUEST



- Approved engineering company must coordinate site meeting with Entrust and/or TRC
- Pole application must be submitted with the proposed attachment height
- A temporary attachment request must be submitted with the pole attachment application
- Waivers must be submitted with the pole attachment application or the application will be deemed incomplete & rejected
- All requests must meet NESC clearances in order to be approved for temporary attachment
- The **signed** temporary attachment form must be uploaded into Work Manager task 2360

WORK MANAGER PROCESS



MAJOR TASKS

February 06, 2019



Exenet Systems Inc.
Don Couch
Ronnie Teaff

RE: Occupancy Permit

Customer Application: SA015
Occupancy Permit: 2019-CS-TX-010175
Location: SAN ANTONIO, TX 78205
Project Number: A01G7Y2
Permit Date: 2/5/2019

AT&T has confirmed that the structure(s) is available for your use.

This is your approved occupancy permit. You have 12 months to complete your construction work.

Once your work is completed please fill out and return the attached Applicant Notice of Completion form and send it to BRIAN BEDNARZ, who can be reached on 210-729-8410. BRIAN BEDNARZ will make the necessary arrangements to have the post inspection work completed.

Rental will be billed on Exenet Systems Inc. account for Texas. Per your occupancy request, our records will reflect an occupancy of the following.

Structure Type	Permit Quantity
Pole	1

If either the permit quantity or billing account is not correct, please notify us immediately, via email at: BB1306@att.com. Any unreported or unauthorized occupancy will be immediately subject to the appropriate penalty fines and removal actions as described in the associated tariff or agreement for the state involved.

Identification tags are required on your facilities at each point of contact (at each pole or manhole). The failure to install these identification tags may result in the inability to notify you in the event of a major failure or structure relocation.

Thank you,

BRIAN BEDNARZ
Manager - Structure Access
Attachments

- AT&T approval letter must also be saved in the work manager Task 2360 as "AT&T Pole Replacement Approval"
- Work Request details must reflect project "E-0069" in work manager

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



WR No:	<input type="text" value="40358525"/>	WR Type:	<input type="text" value="PALMR"/>
WR Name:	<input type="text" value="REDACTED"/>		
Owner:	<input type="text" value="NK2"/> <input type="button" value="v"/>	<input type="text" value="KYLE NEALON"/> <input type="button" value="v"/>	

DESIGNER RESPONSIBILITIES



Field Survey



Field Staking

- Designer (design company) is responsible for field surveys & staking for locates (both design & construction)
 - Mark poles to be located
 - Stake location of new pole replacement correctly
 - Must be available to meet foreman for any field questions
- Designer must coordinate the tree trimming around the power space by contacting Isidro Bonilla at 210-353-5243 ibonilla@cpsenergy.com

DESIGNER RESPONSIBILITIES



Recloser Antenna

- Designer (design company) is responsible for coordinating the field meeting for the Recloser Antenna adjustment for the proposed remedies with Antonio Rodriguez at 210-353-5703
abrodriguez@cpsenergy.com
- Designer must upload approved email from Antonio into Work Manager task 2360

TREE TRIMMING

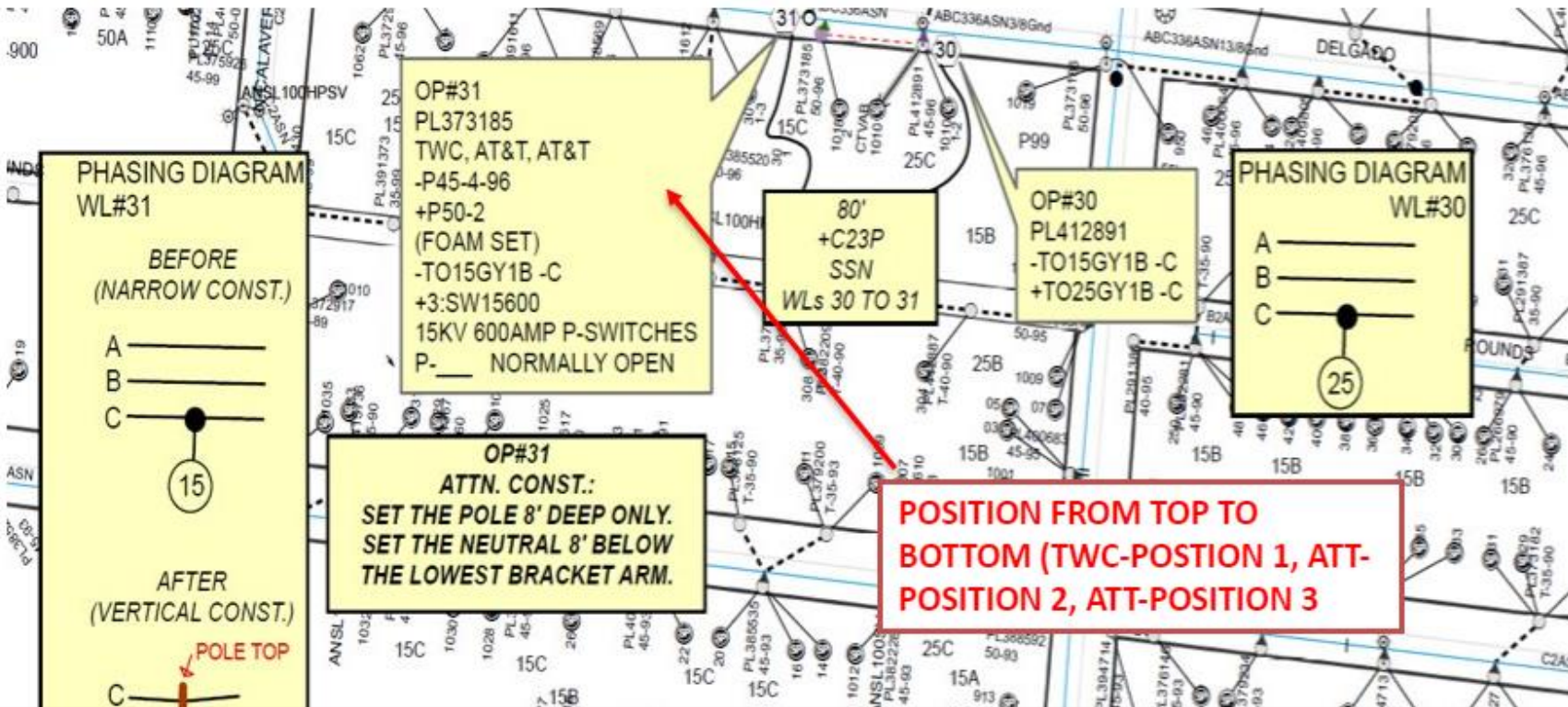
ENVIRONMENTAL PERMITTING



Tree Trimming Required

- Attacher is responsible for paying the ENVIRONMENTAL PERMIT COST when applicable
- If the EMR location falls under a **Flood Plain** area & requires Tree Trimming, an additional \$1,500 (**up to \$4,180 for only the Environmental Tree Survey**) Tree Permit is required
- An additional CIAC Invoice will be sent to the attacher & must be paid before a job will receive T-5000 approval

JOB SKETCHES



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

WIRELINING ATTACHMENT

COMMUNICATION TRANSFERS & SAFETY CONCERNS



1460 Babcock Road

- CPS Energy continues to stress the importance of communication transfers
- CPS Energy receives numerous complaints per year regarding double wood & braced poles
- These issues pose huge safety concerns for CPS Energy

SERVICE POLES



Service Pole

- Service Drops – the submission of an application is not required to install a service drop on a pole on which the attaching entity has an **authorized** attachment
- Any communication line from pole to pole is a pole attachment & requires an application
- CPS Energy Pole Attachment Standards Revision: 6.0 page Effective date August 12th 2022, provided that the attaching entity provides notice of such service drops
- These issues pose huge safety concerns for CPS Energy

COMMUNICATION TRANSFERS



CIVIC IMPROVEMENT & TXDOT PROJECTS

- Attaching entities must follow all pole attachment standards & processes for any civic improvement or TXDOT project
- An affected Attaching Entity that elects to transfer its Existing Attachments, Wireless Installations, or Banner Attachments to the CPS Energy replacement Poles and/or Streetlight Poles, shall complete such transfer at no cost to CPS Energy & in accordance with all Applicable Engineering Standards
- Affected Attaching Entities seeking to transfer their existing facilities to CPS Energy replacement Poles or Streetlight Poles in response to a Civic Project shall be solely responsible for coordinating with the Civic Project's manager in order to determine whether any of Attaching Entity's transfer costs are reimbursable from the Civic Authority, & for entering into any necessary agreements with the Civic Authority concerning such cost reimbursements

PROCESS STANDARDS

- Attachers must inform CPS Energy/Contractors when fiber construction is completed
- Wireline routes should follow existing CPS Energy pole lines



Pole with comms wires attached

**Wireline routes should follow existing CPS Energy pole lines.
This point has been a quarterly staple since May of 2021**

TXDOT RIGHT OF WAY UPDATES



OVERHEAD ELECTRIC AND 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 scenarios where cables cross above highways as well as any cables that run longitudinal to the road
- Right of Way regulations can be found in the [TX Administration Code](#)

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

WIRELESS ATTACHMENTS

WIRELESS ATTACHMENT REMOVALS



- Its the wireless attachers responsibility to submit a removal application notifying pole attachment services and 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 and meter to each site
- City of San Antonio (COSA) will begin issuing violations for these sites

WIRELESS ATTACHMENT POLE REMOVAL



- 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

POLE ATTACHMENT INVENTORY

POLE ATTACHMENT INVENTORY



TIMELINE

- Contract to be awarded September/October
 - Inventory to begin Q4
- 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

LIDAR DATA AND NJUNS TICKET PROCESS

LiDAR DATA & LOW COMMUNICATION LINE ISSUES

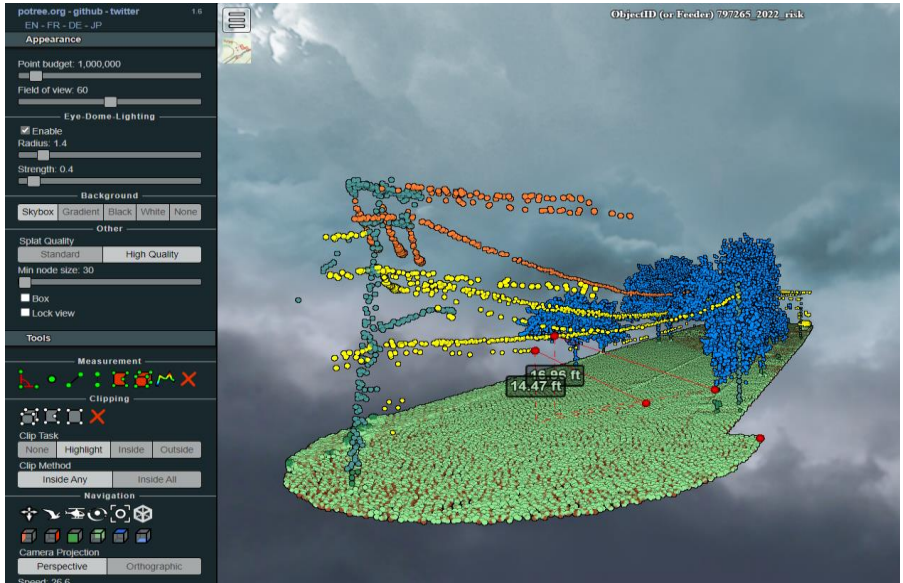


- LiDAR (**L**ight **D**etection **A**nd **R**anging) traditionally used to map out vegetation to identify areas needing trimming
- Being leveraged to identify mid-span heights of lowest communications cables
- Identifying low hanging wires to prevent vehicular strikes
 - Safety
 - Reliability
- Will be identified as violations, requiring accelerated response times

OUTAGES AS A RESULT OF LOW COMMUNICATION LINES



Cumberland Street



Lidar 3D view

Lidar Data showed a clearance of 14'- 4" over the roadway, outage affected over 3,000 customers.

- Attachers need to query NJUNS regularly to keep up with their Next To Go steps
- Violation NTG steps will have a 5 day period to address NJUNS steps
 - Safety driven initiative



Regularly checking NTG reporting is important to staying clear of violations

ANNOUNCEMENTS



- Next Quarterly Workshop Dates
 - September 28th
 - December 7th
- Reminder of A1 Due by September 1st
- Contact poleattach@cpsenergy.com to get on the list for GIS training



Thank You