Foráneas; la verificación de un ambiente de trabajo seguro es vital y esta se pueda obtener.

Aguas crecientes

Trabajar en condiciones de inundación presenta riesgos adicionales e inesperados. Esté preparado para las aguas crecientes y las inundaciones repentinas. Siempre planee una ruta de escape.

Confrontaciones con animales

CenterPoint Energy no aprueba ni tolera el abuso de animales por parte de nuestros empleados, contratistas o cuadrillas foráneas. Si necesita entrar a un área donde hay un animal, contacte al dueño de la propiedad para que lo retire. Si eso no es posible, proceda con precaución. La seguridad de los empleados, contratistas y cuadrillas foráneas es la máxima prioridad de CenterPoint Energy. Cada situación debe ser abordada caso por caso. Utilice su mejor juicio. Si se encuentra con un animal agresivo, escúdese o protéjase de un ataque e inmediatamente salga de la zona a un lugar seguro. Usted nunca debe iniciar una confrontación. Si usted llega a ser amenazado por cualquier animal, informe inmediatamente de ello a su Coordinador de Cuadrillas Foráneas.

Serpientes e insectos

Durante los períodos de aguas crecientes, se pueden encontrar serpientes en lugares donde normalmente no se espera que las hayan. Esté alerta ante la posible presencia de serpientes en los postes, partes superiores

de los transformadores, o en cualquier zona libre de agua. La Costa del Golfo de Texas, en condiciones normales, tiene una gran población de mosquitos. Hay disponible repelente de insectos para su uso. Son comunes los insectos picadores como abejas, avispas, arañas y hormigas de fuego. Manténgase alerta cuando trabaje alrededor de árboles caídos y desechos causados por la tormenta. No utilice repelentes de insectos que contengan DEET sobre la ropa ignífuga.

Derrames de aceite

CEHE tiene que asegurar el cumplimiento de las regulaciones ambientales federales, estatales y locales respondiendo a los derrames de aceite de manera oportuna y eficiente. Este compromiso incluye informar, responder y limpiar TODOS los derrames, independientemente de la cantidad o ubicación. Si descubre un derrame, debe protegerse y usar el EPP apropiado. Tome las siguientes precauciones:

1. Trate de evitar cualquier acción que pueda extender la contaminación más allá de la zona que ya está contaminada (p. ej., caminar sobre la contaminación y extenderla a otras áreas con las botas, etc.).
2. Informe inmediatamente cualquier derrame de combustible, aceite hidráulico, aceite de motor o aceite de transformador a su Coordinador de Cuadrillas Foráneas para que se pueda proceder a llenar el formulario de "Notificación de fase final (EOP) para derrames de hidrocarburos".

3. Si no se dispone de una "Etiqueta de desconexión del equipo eléctrico - CNP 442 (2012)", utilice un marcador permanente o un marcador de metal para escribir la fecha de retiro, centro de servicio, dirección de donde se retiró el transformador.
4. Si es posible, limite el impacto ambiental del aceite. Por ejemplo, evite que el aceite llegue a un drenaje pluvial.
5. Verifique que la dirección esté en el o los transformadores antes de proceder a ensacar.
6. Manténgase fuera del aceite del transformador ya que algunos podrían estar contaminados con PCB.

Gestión de residuos de fase final

Para grandes cantidades de desechos de postes desgastados y desechos de construcción, póngase en contacto con el Coordinador de Cuadrillas Foráneas para que se pueda iniciar el proceso de eliminación apropiado. Pequeñas cantidades de alambre de chatarra o de material viejo pueden ser depositadas en los recipientes apropiados en el emplazamiento de almacenamiento temporal. No se deben colocar líquidos en los recipientes de desecho.

Los transformadores con fugas no deben ser transportados al emplazamiento de almacenamiento temporal; notifíquelos al Coordinador de Cuadrillas Foráneas para que sean recogidos y desechados de manera correcta.

- Aislantes de cerámica/porcelana

- Recipientes vacíos (<5 galones)
- Mangueras/tubos (no contaminados)
- Embalaje de papel o madera
- Papel, cartón, cordeles
- Espuma de poliestireno, envolturas, cuerdas
- Tubos de PVC (no contaminados)
- Conjuntos de postes de plástico (reaccionado)

Aves

La ley federal prohíbe matar, acosar o transportar aves y sus nidos, huevos y crías. Se debe tener cuidado de evitar perturbar los nidos con huevos y crías, y de evitar actividades que puedan hacerles daño. Consulte la siguiente tabla para ayudar a determinar la acción apropiada necesaria para el manejo de nidos activos (aves vivas, crías o huevos presentes en el nido), o nidos inactivos (sin aves, crías o huevos presentes)

Ave	Condición del nido	Acción
Águilas calvas	Activo o inactivo	1. ¡Detenga el trabajo! 2. Pídale al Coordinador de Cuadrillas Foráneas que se ponga en contacto con el Departamento de Medio Ambiente 3. Evite cualquier trabajo a distancias menores de 660 pies del nido.

Ave	Condición del nido	Acción
Otras aves	Activo	1. ¡Detenga el trabajo! 2. Pídale al Coordinador de Cuadrillas Foráneas que se ponga en contacto con el Departamento de Medio Ambiente
	Inactivo	1. Continúe con el trabajo 2. Retire el nido del equipo CNP si fuese necesario. Use el EPP apropiado 3. Deje el nido en el lugar de trabajo.

Consejos de comunicación

Mientras trabaja para restablecer el servicio eléctrico, los clientes pueden acercarse para hacerle preguntas. Si se le acercan clientes:

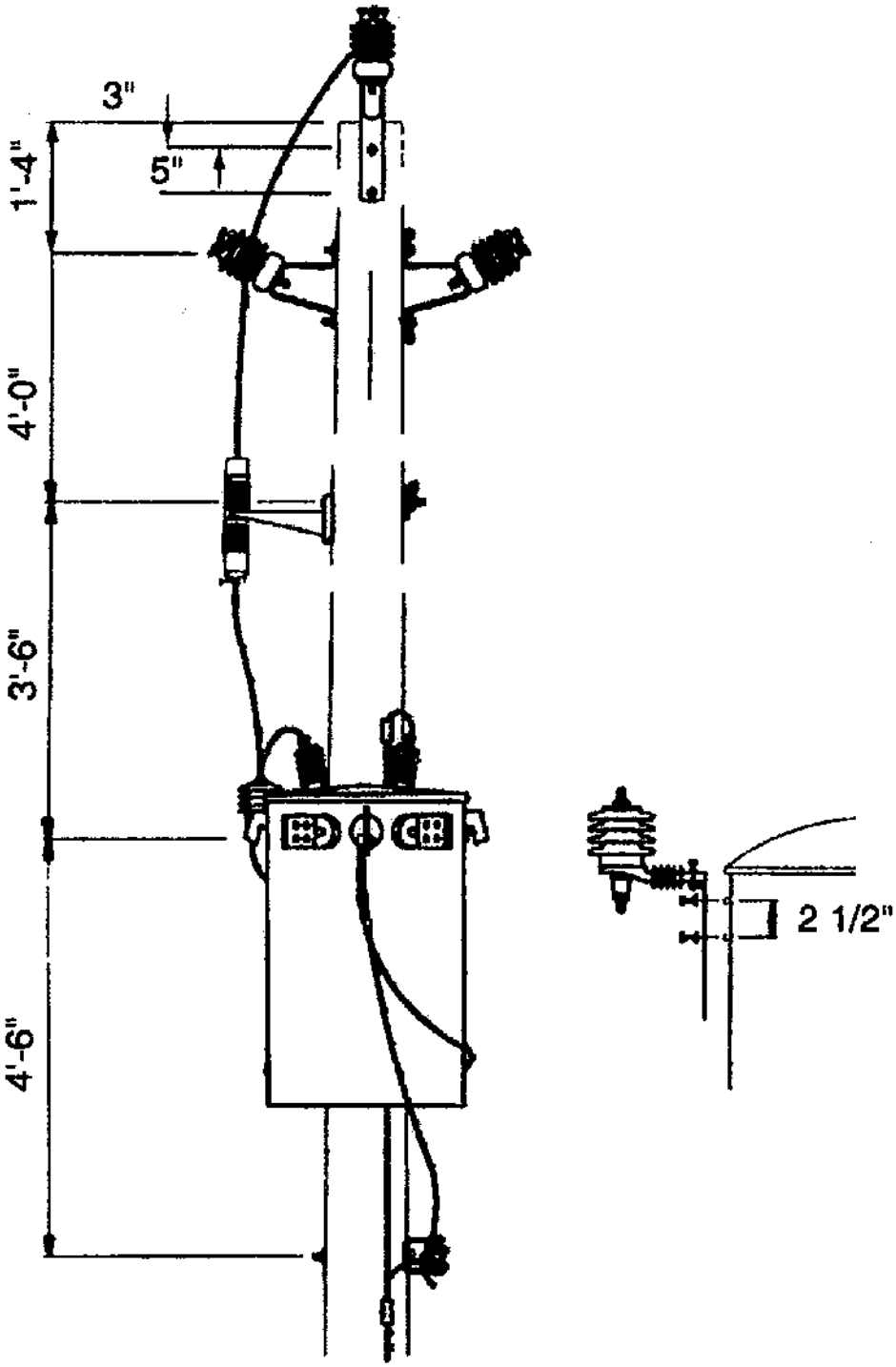
- Mantenga la seguridad como una prioridad. Sea educado, pero no trate de hablar con los clientes mientras trabaja.
- Explique a los clientes que necesita mantenerse enfocado en su trabajo y asegúreles que está trabajando para restablecer el servicio eléctrico de la forma más rápida y segura posible.
- No entable conversaciones improductivas con los clientes, sobre todo si están disgustados y le solicitan que comente sobre varios aspectos del trabajo de restablecimiento del servicio.

- Transmita cualquier problema o inquietud sobre el proceso de restablecimiento a su Coordinador de Cuadrillas Foráneas. Por favor, no exprese críticas al público.
- Usted nunca debe iniciar una confrontación. Si fuese amenazado o llegase a encontrarse en una situación hostil, retírese inmediatamente e infórmelo de inmediato a su Coordinador de Cuadrillas Foráneas.
- Para la más reciente información sobre el restablecimiento del servicio, refiera a los clientes a nuestro sitio web, www.centerpointenergy.com.
- Los clientes también pueden llamar al Servicio de Atención al Cliente al 713-207-2222 o 1-800-332-7143

Los medios de comunicación pueden filmar su trabajo, pero debe asegurarse de que se mantengan a una distancia segura. Alerte a su Coordinador de Cuadrillas Foráneas de cualquier presencia de los medios de comunicación, de manera que podamos enviar un portavoz de la compañía a su ubicación o contactar por teléfono a los medios de comunicación. Rechace con cortesía las solicitudes de entrevista hechas por los medios de comunicación y pídales que se pongan en contacto con el equipo de CenterPoint Energy de relaciones con los medios de comunicación.

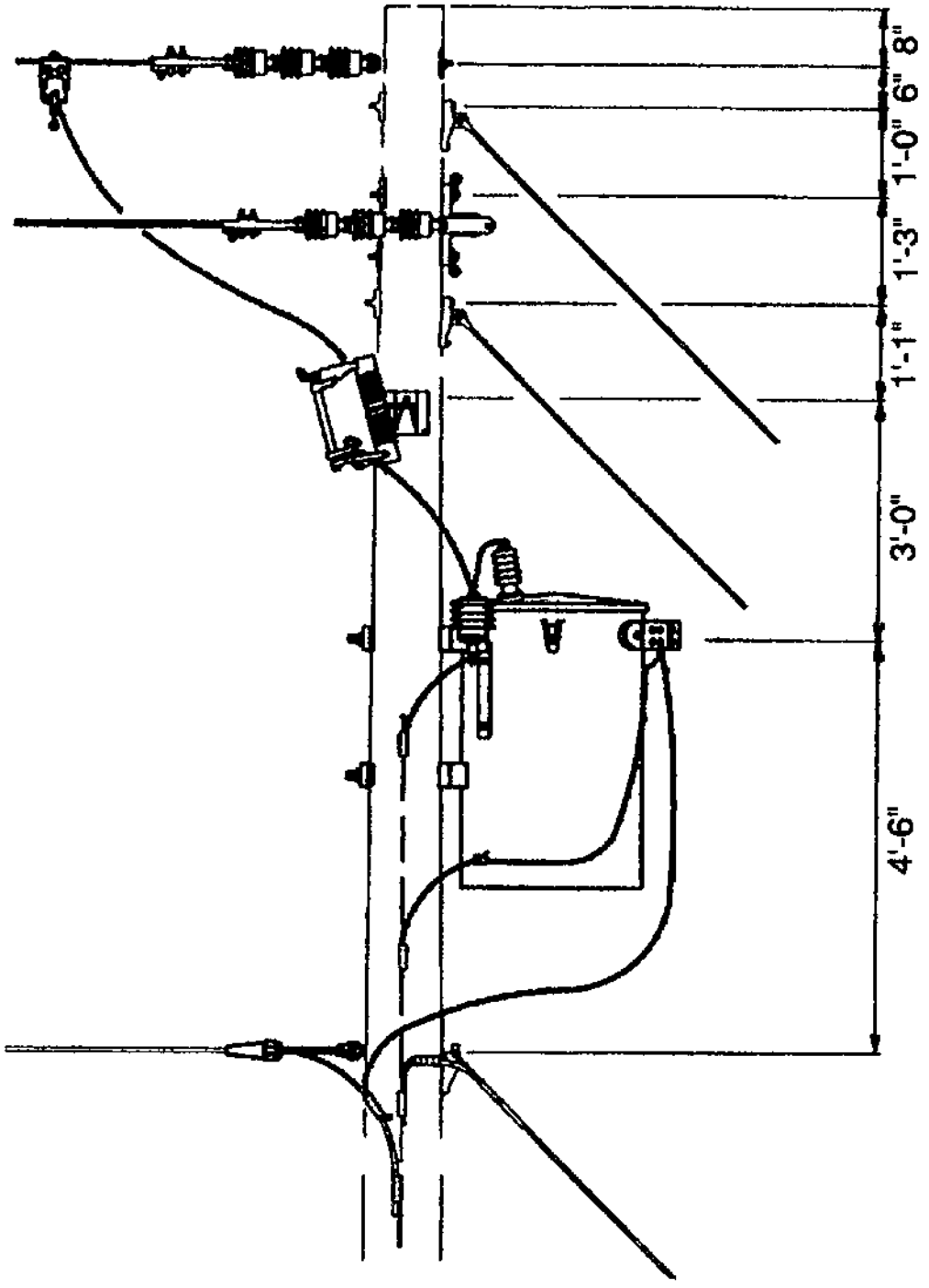
Poste tangente sin crucetas de 12 KV

Con transformador monofásico



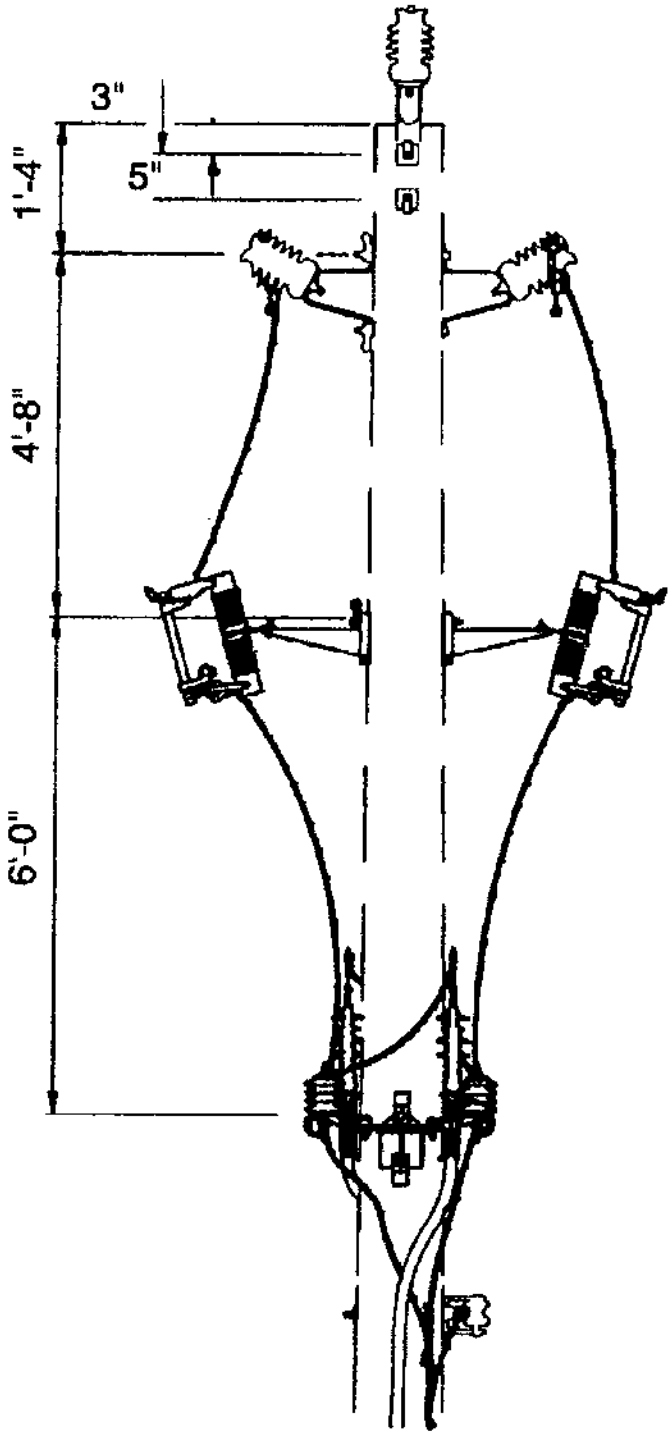
Poste terminal sin crucetas de 12 KV

Con transformador monofásico



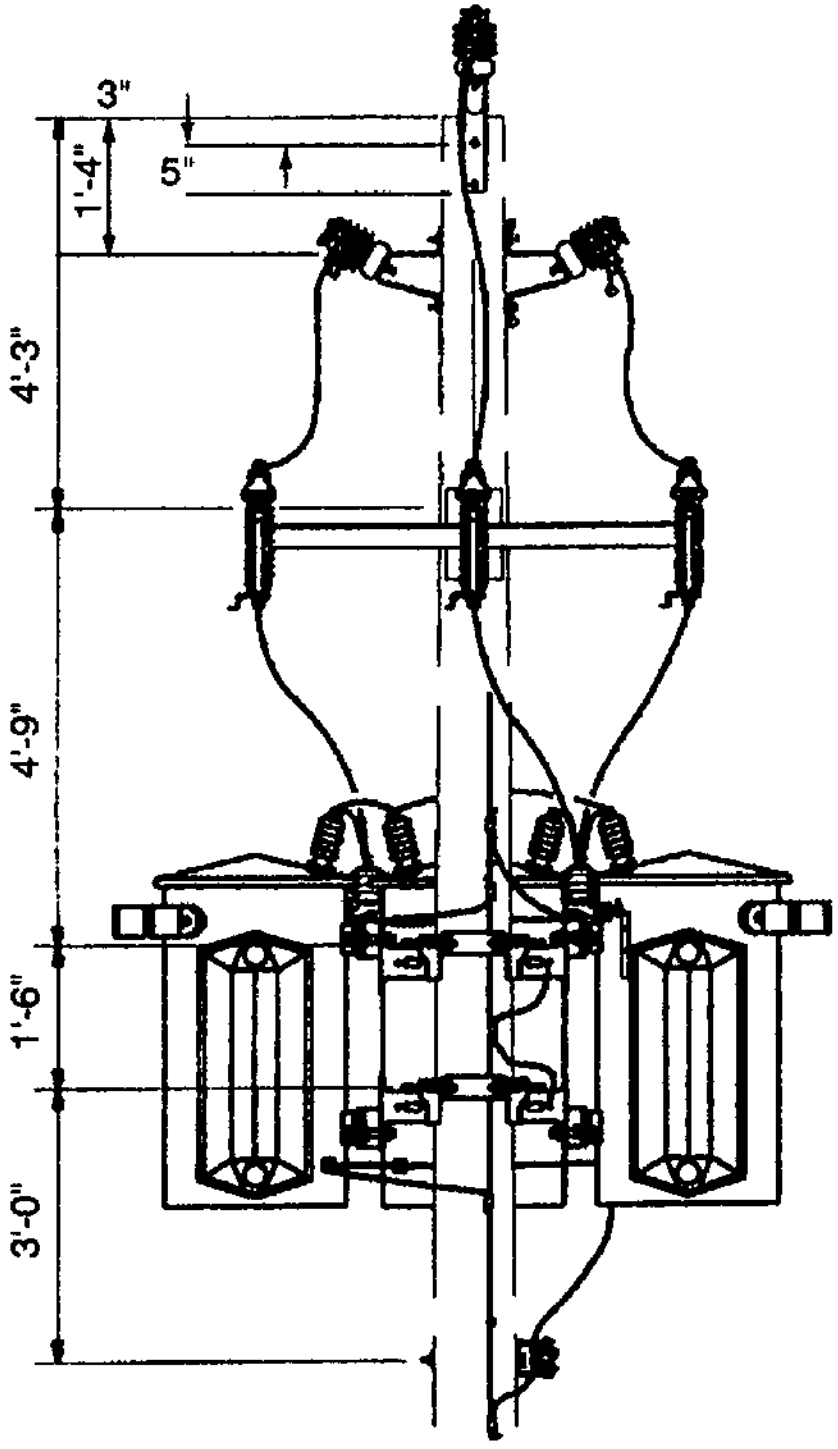
Poste terminal de URD de 12 KV

Montaje



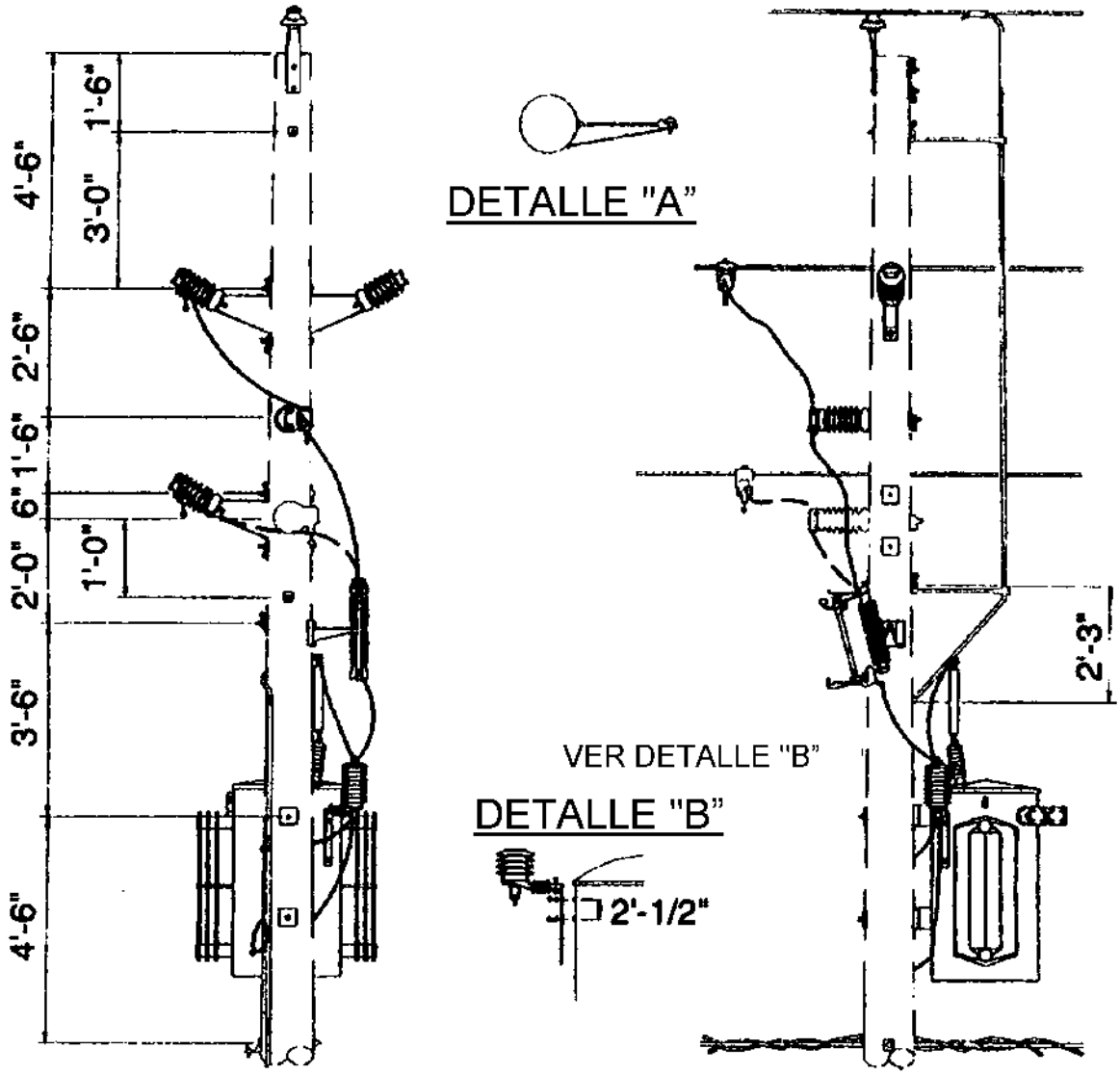
Poste tangente sin crucetas de 12 KV

Con banco de transformadores trifásico



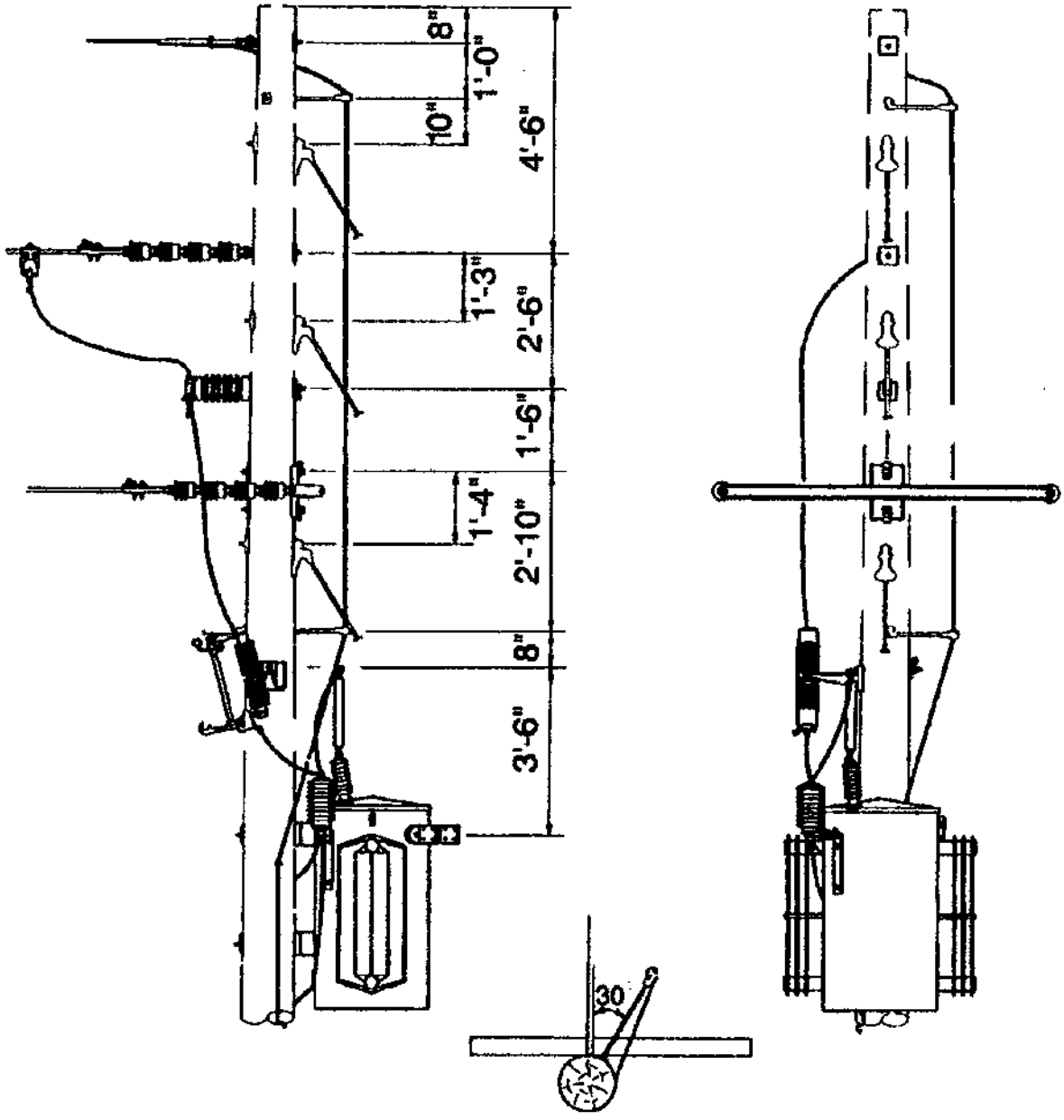
Poste tangente delta sin crucetas de 35 KV

Con transformador monofásico



Poste terminal delta sin crucetas de 35 KV

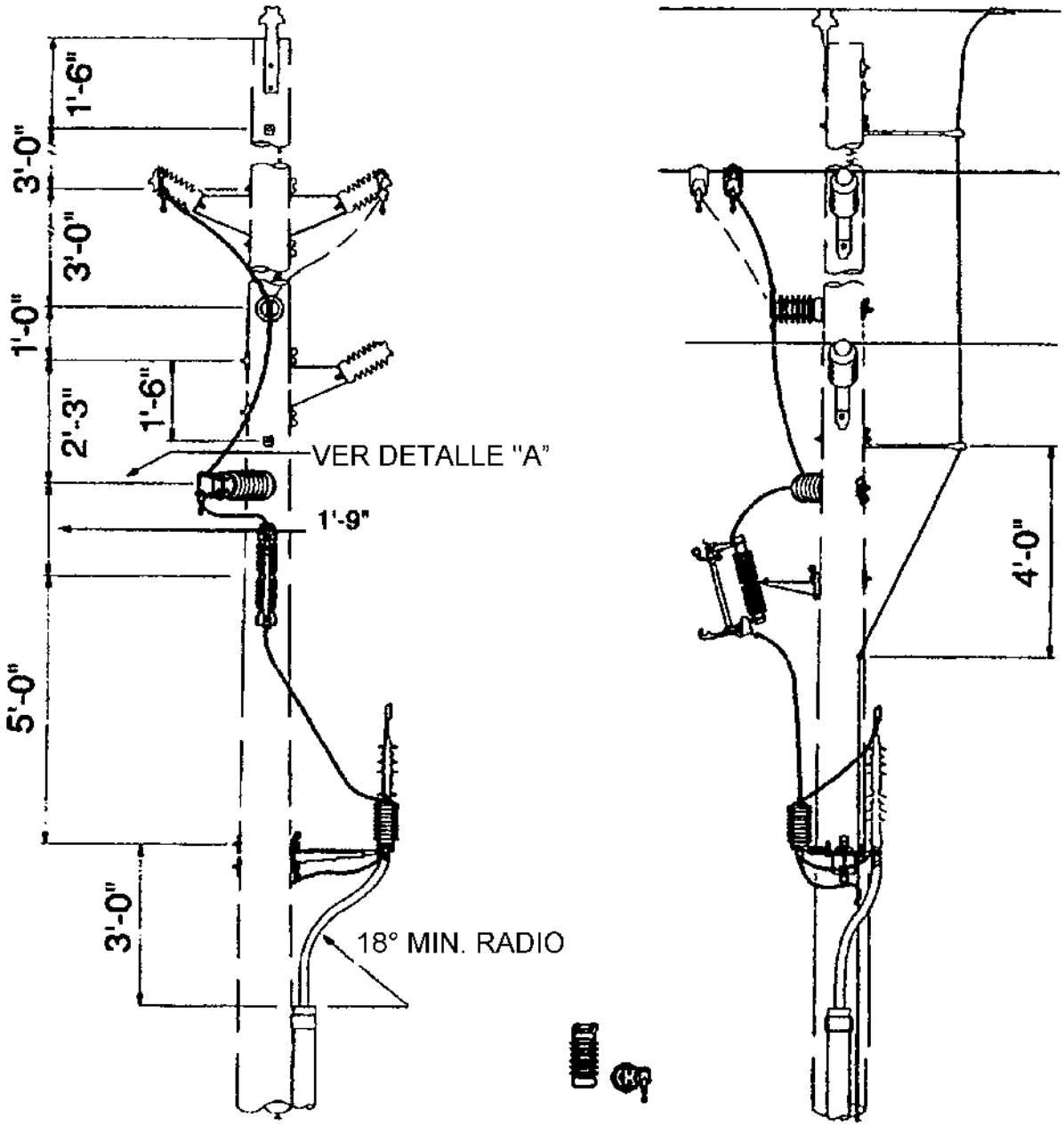
Con transformador monofásico



DETALLE "A"

Poste terminal de URD de 35 KV

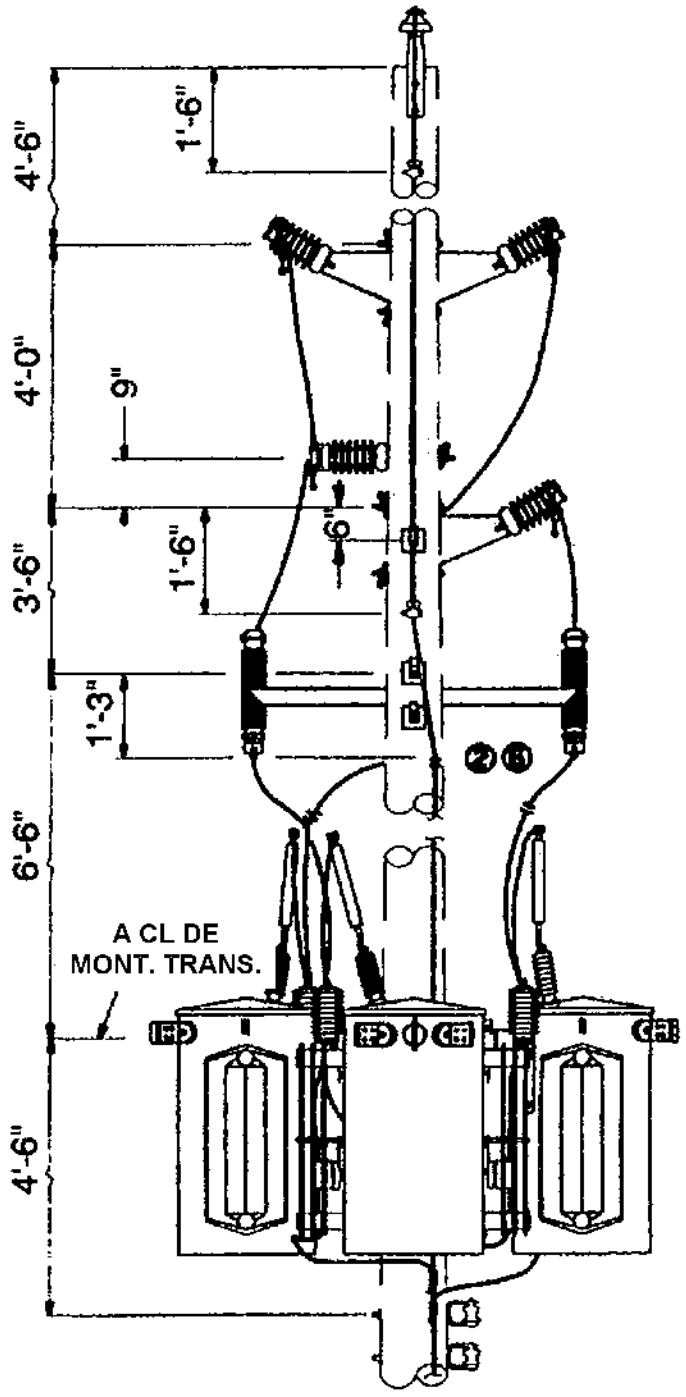
Conjunto del montaje



DETALLE "A"
SOPORTE DE PUENTE
CONECTOR
ADJUNTO

Tangente delta sin crucetas de 35 KV

Con banco de transformadores trifásico



Cuadro de protección con fusibles para transformadores de 12 KV

Sistema de distribución

Monofásico Transformador KVA	Tamaño del fusible
3	3T
5	3T
20	3T
15	3T
25	6T
37.5	8T
50	10T
75	15T
100	20T
167	30T
250	50T
333	65T
500	100T

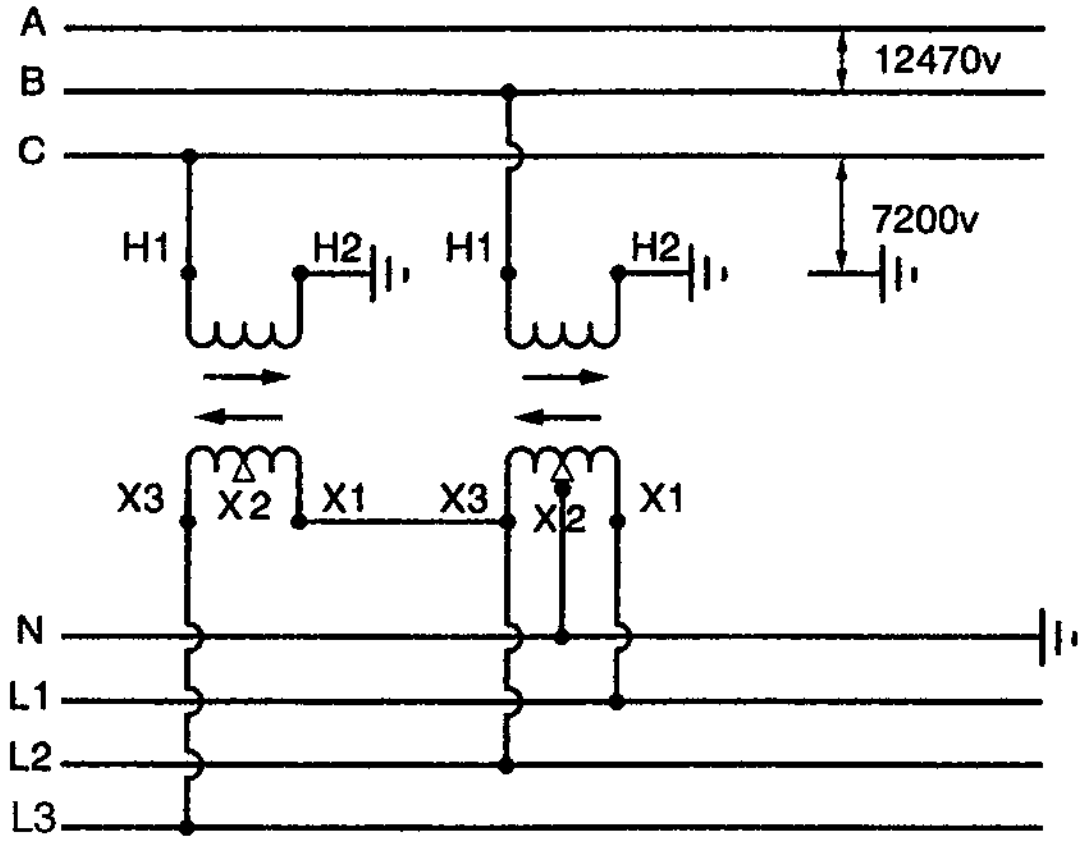
Cuadro de protección con fusibles para transformadores de 35 KV

Sistema de distribución

Transformador monofásico KVA	Fusible de expulsión	Tamaño de CLF
25 KVA	3K	12
37.5 KVA	3K	12
50 KVA	6K	12
75 KVA	6K	12
100 KVA	10K	12
167 KVA	15K	25
200 KVA (Paralelo 2-100 KVA)	20K	25
250 KVA	20K	25
333 KVA	25K	25
500 KVA	30K	—
500 KVA (Paralelo 2-250 KVA)	30K	—

Banco Y delta abierto - 7200 / 12470Y - 120/240

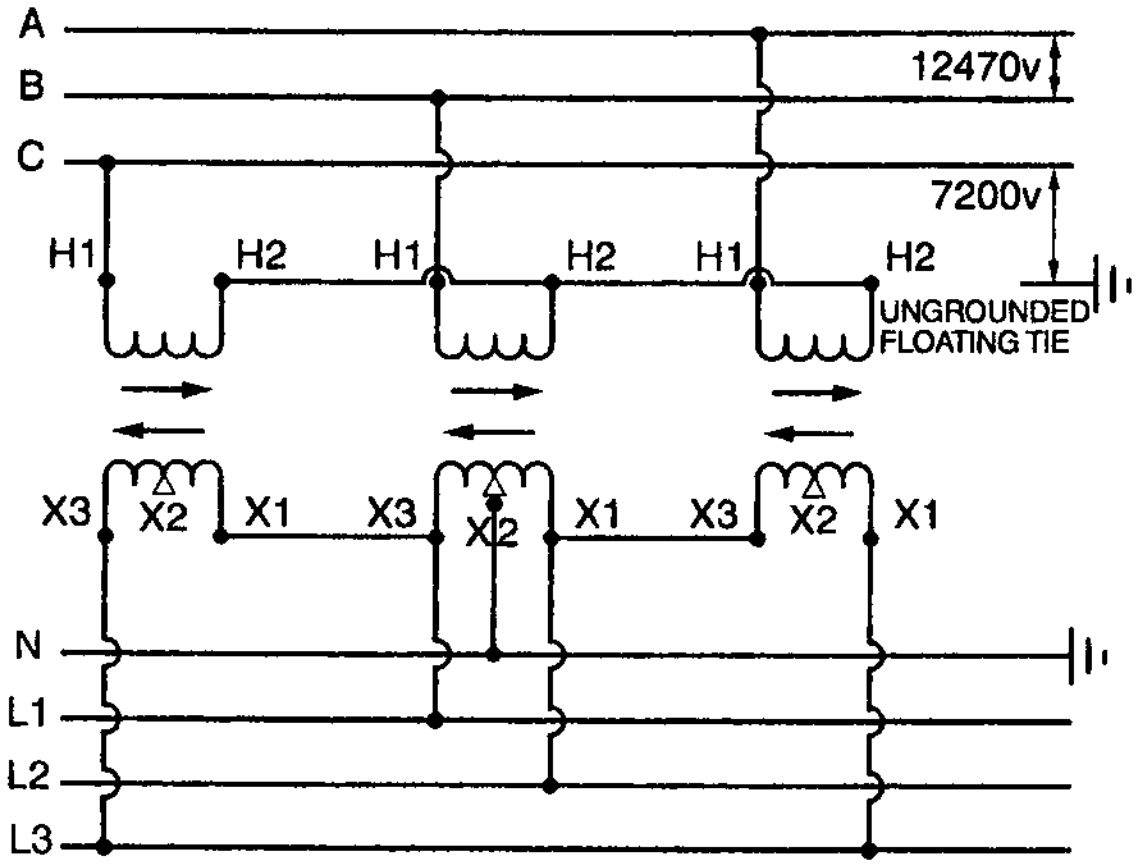
Realice la conexión de tierra a la caja de los transformadores y soportes de grupos de los mismos conectándolos al neutro y equipotencial del sistema. Polaridad aditiva. Conéctese al borne central del transformador de iluminación ("lighter").



Voltajes secundarios (1) N-L1=120 (2) N-L2=120 (3) N-L3=208 (4) L1-L2=240 (5) L1-L3=240 (6) L2-L3=240

Banco Y delta cerrado - 7200/12470Y - 120/240

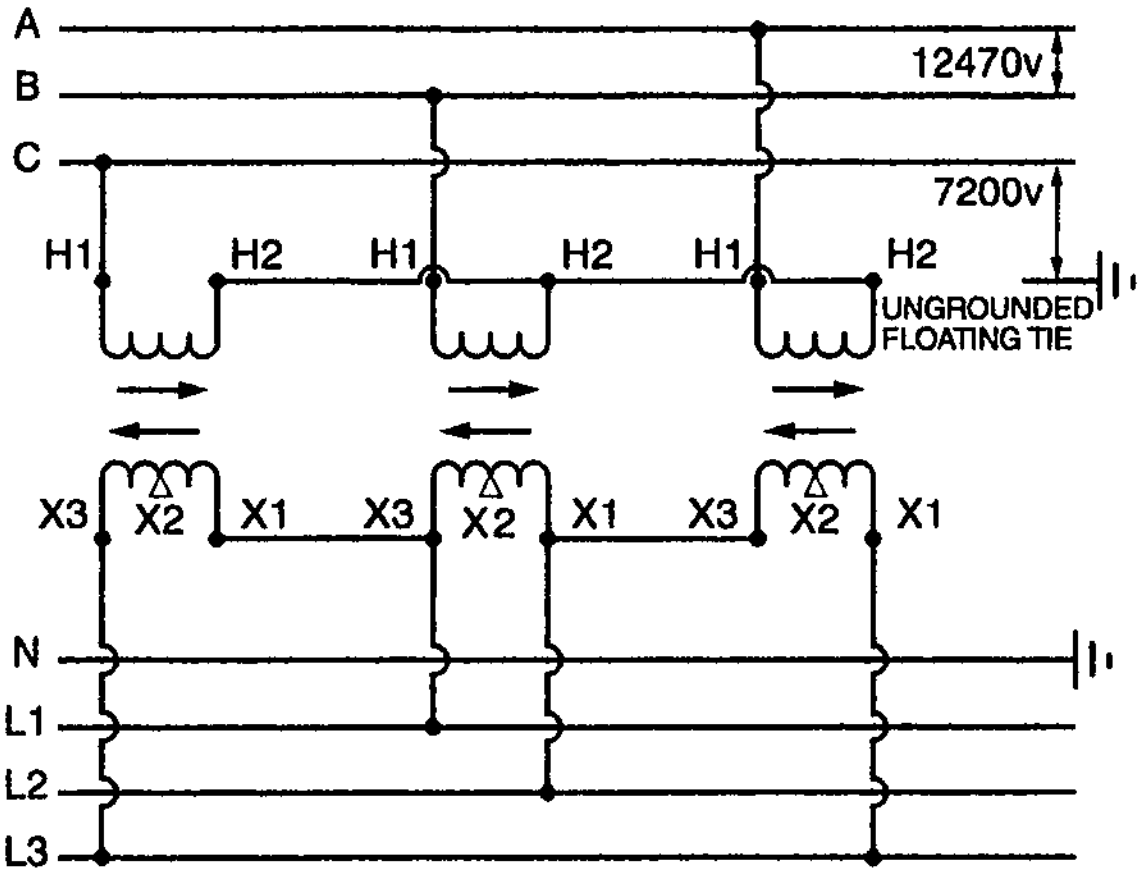
Realice la conexión de tierra a la caja de los transformadores y soportes de grupos de los mismos conectándolos al neutro y equipotencial del sistema. Polaridad aditiva. Conéctese al borne central del transformador de iluminación ("lighter").



Voltajes secundarios (1) N-L1=120 (2) N-L2=120 (3) N-L3=208 (4) L1-L2=240 (5) L1-L3=240 (6) L2-L3=240

Banco Y delta cerrado - 7200/12470Y - Electricidad 480

Realice la conexión de tierra a la caja de los transformadores y soportes de grupos de los mismos conectándolos al neutro y equipotencial del sistema. Polaridad aditiva.



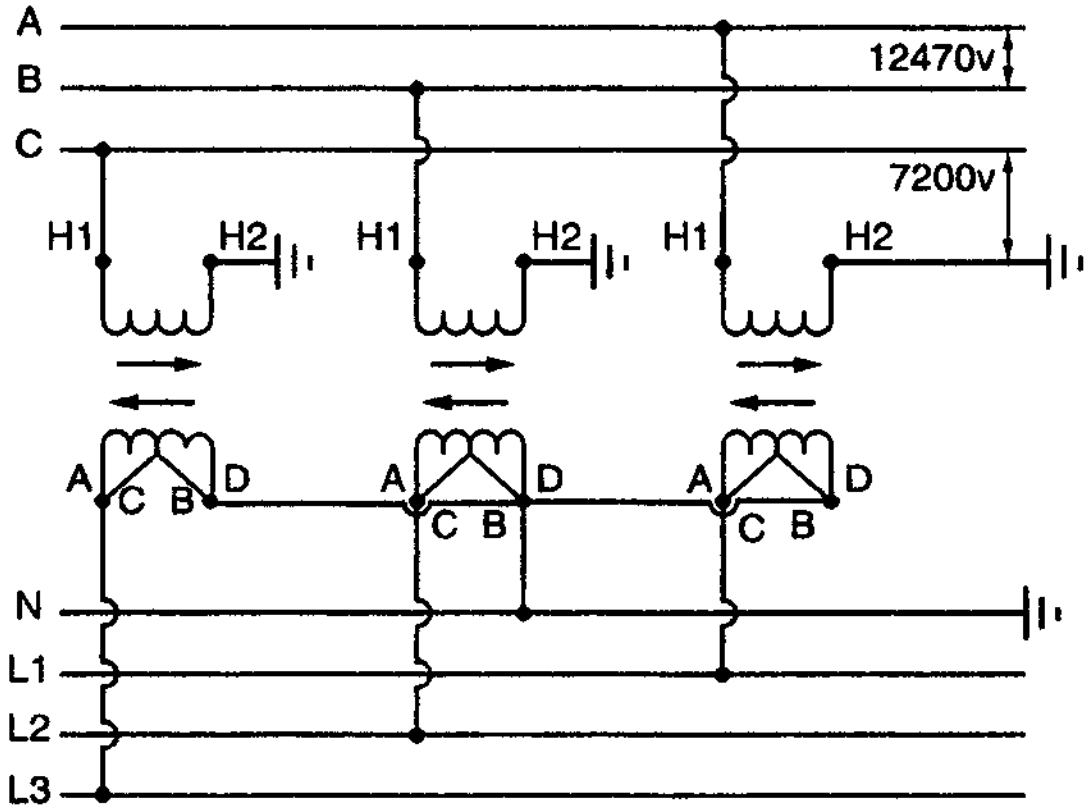
Voltajes secundarios

(1) N-L1=0+ (2) N-L2=0+ (3) N-L3=0+

(4) L1-L2=480 (5) L1-L3=480 (6) L2-L3=480

Banco YY cerrado - 7200/12470Y - 120/208

Realice la conexión de tierra a la caja de los transformadores y soportes de grupos de los mismos conectándolos al neutro y equipotencial del sistema.
Polaridad aditiva.
Transformadores cortados a dos hilos. Conecte las carcasas de los bujes neutros a tierra.

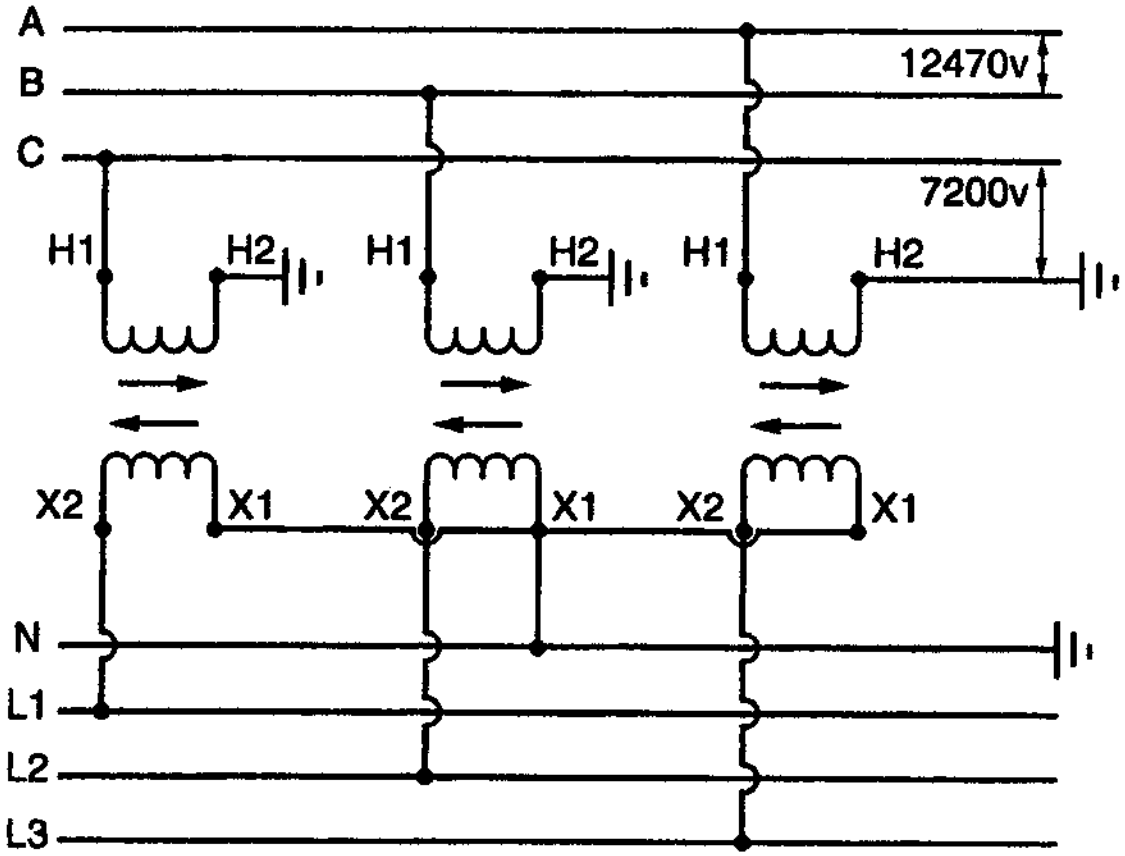


Voltajes secundarios

(1) N-L1=120 (2) N-L2=120 (3) N-L3=120
(4) L1-L2=208 (5) L1-L3=208 (6) L2-L3=208

Banco YY cerrado - 7200/12470Y - 277/480

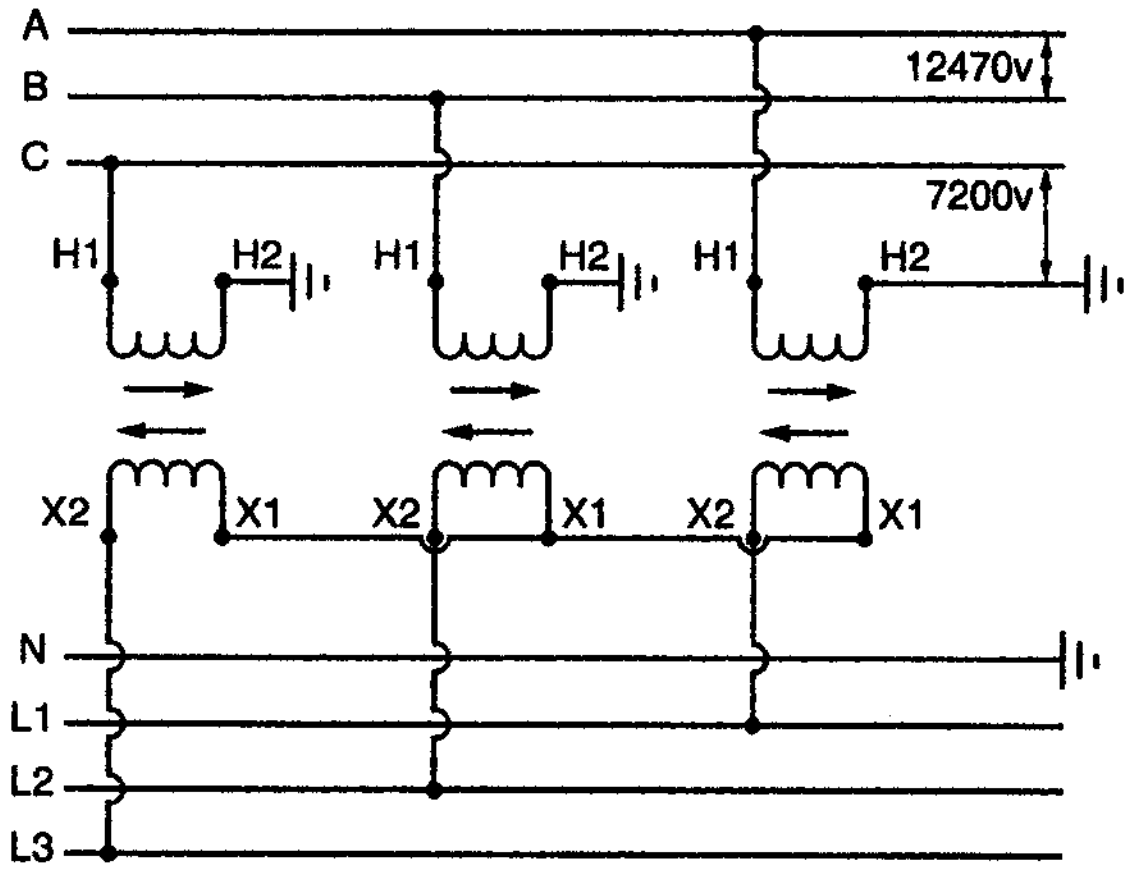
Realice la conexión de tierra a la caja de los transformadores y soportes de grupos de los mismos conectándolos al neutro y equipotencial del sistema. Conecte las carcasas de los bujes neutros a tierra. Polaridad aditiva.



Voltajes secundarios (1) N-L1=277 (2) N-L2=277 (3) N-L3=277 (4) L1-L2=480 (5) L1-L3=480 (6) L2-L3=480

Banco YY cerrado - 7200/12470Y - Electricidad 480

Realice la conexión de tierra a la caja de los transformadores y soportes de grupos de los mismos conectándolos al neutro y equipotencial del sistema. Polaridad aditiva.



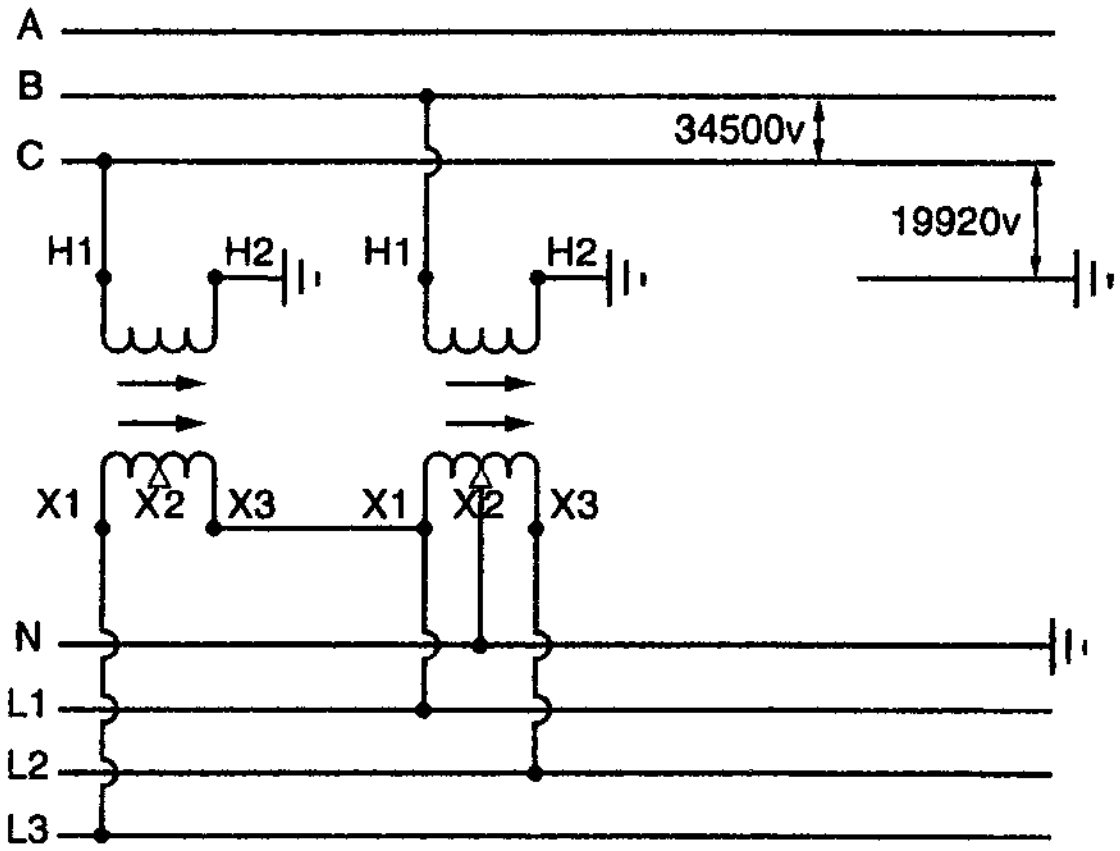
Voltajes secundarios

(1) N-L1=0+ (2) N-L2=0+ (3) N-L3=0+

(4) L1-L2=480 (5) L1-L3=480 (6) L2-L3=480

Banco Y delta abierto - 19920/34500Y - 120/240

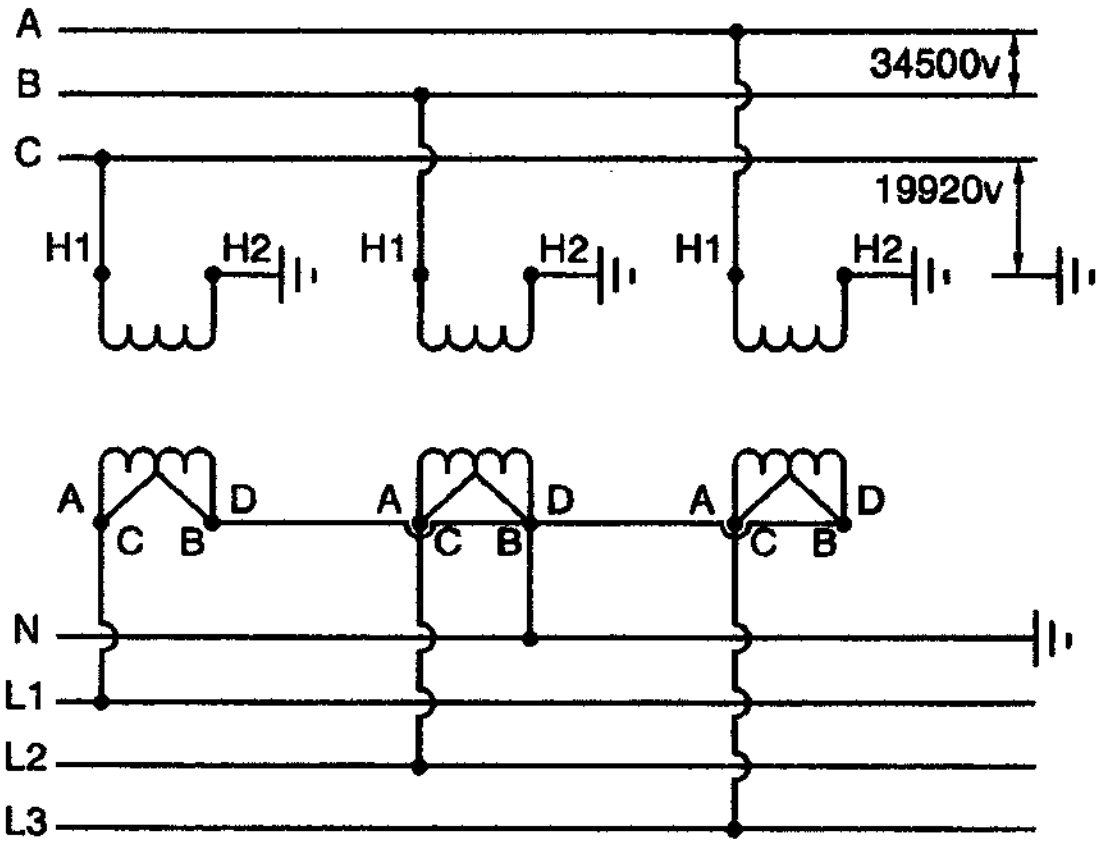
Realice la conexión de tierra a las cajas de los transformadores y soportes de grupos de los mismos conectándolos al neutro y equipotencial del sistema.
Polaridad sustractiva.
Conéctese al borne central del transformador de iluminación ("lighter").



Voltajes secundarios (1) N-L1=120 (2) N-L2=120 (3) N-L3=208 (4) L1-L2=240 (5) L1-L3=240 (6) L2-L3=240

Banco YY cerrado - 19920/34500Y - 120/208

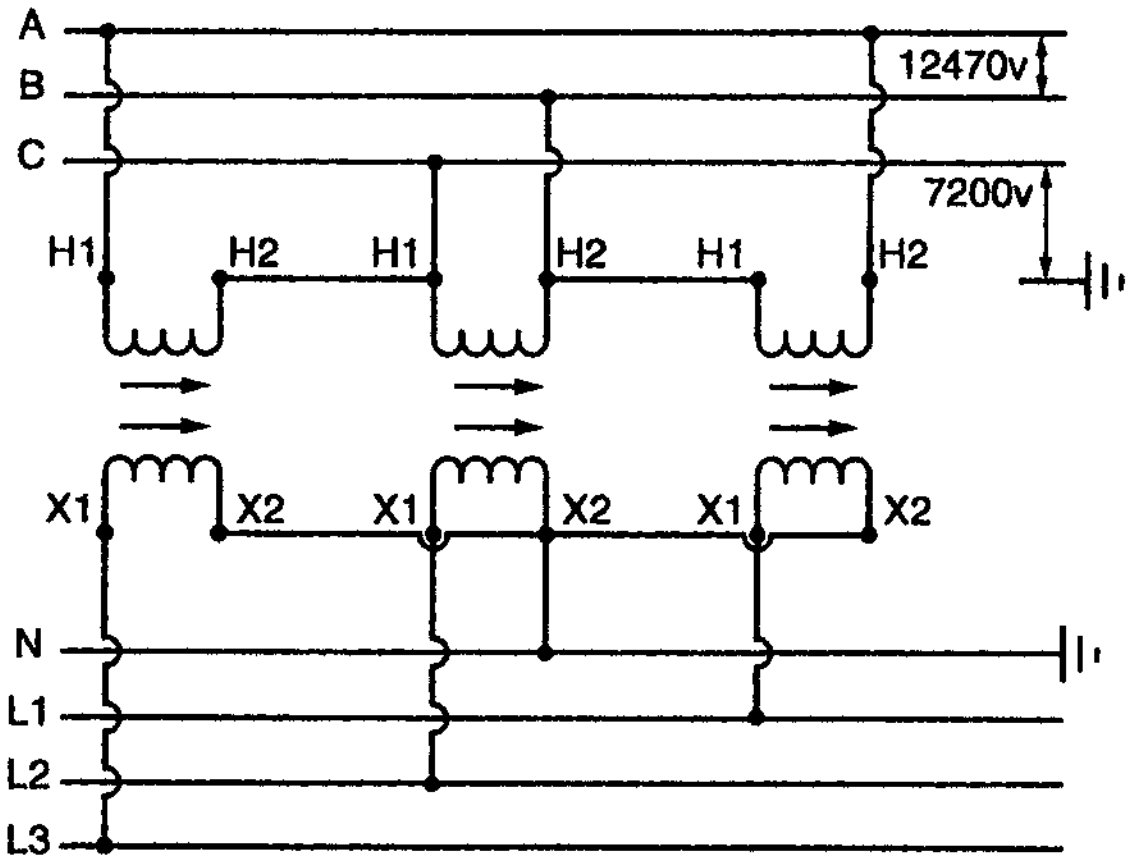
Realice la conexión de tierra a las cajas de los transformadores y soportes de grupos de los mismos conectándolos al neutro y equipotencial del sistema.
Polaridad sustractiva.
Transformadores cortados a dos hilos.
Conecte las carcasas de los bujes neutros a tierra.



Voltajes secundarios (1) N-L1=120 (2) N-L2=120 (3) N-L3=120
(4) L1-L2=208 (5) L1-L3=208 (6) L2-L3=208

Banco delta Y cerrado - 13.2 KV - 277/480

Realice la conexión de tierra a la caja de los transformadores y soportes de grupos de los mismos conectándolos al neutro y equipotencial del sistema.
Polaridad sustractiva.
Conecte las carcasas de los bujes neutros a tierra.

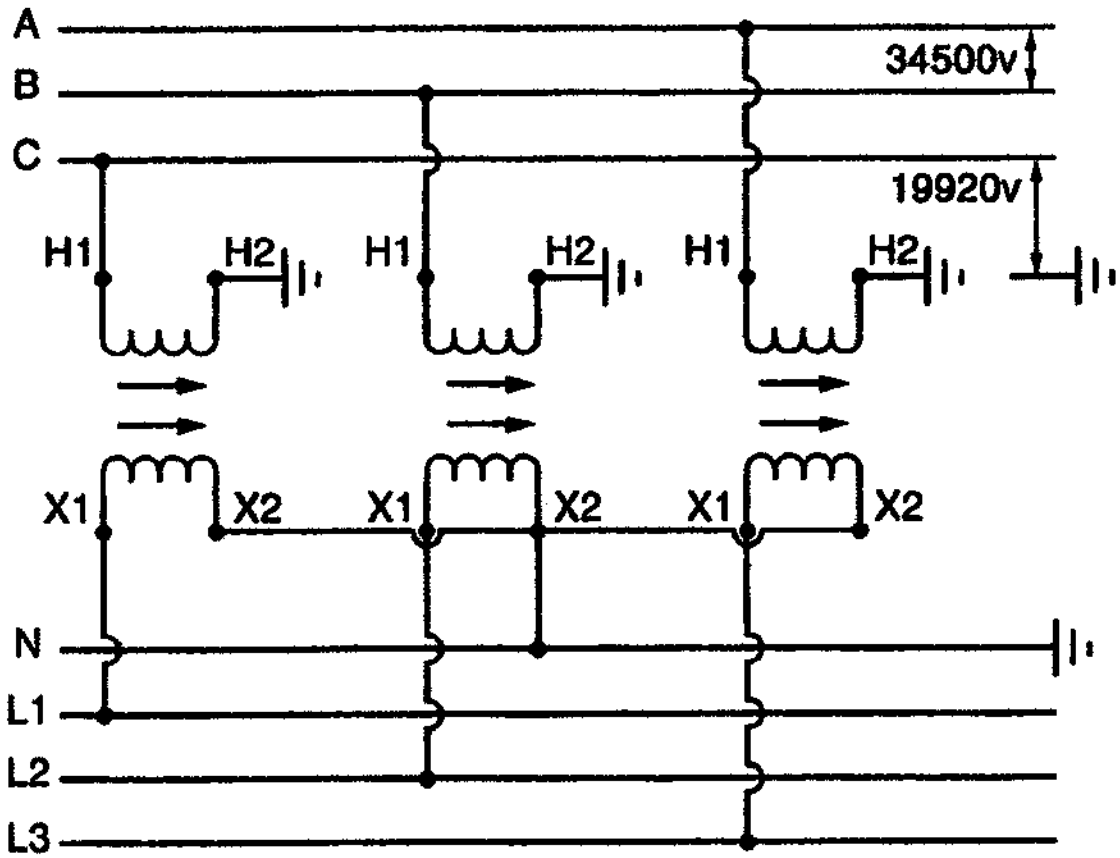


Voltajes secundarios

(1) N-L1=277 (2) N-L2=277 (3) N-L3=277
(4) L1-L2=480 (5) L1-L3=480 (6) L2-L3=480

Banco YY cerrado - 19920/34500Y - 277/480

Realice la conexión de tierra a las cajas de los transformadores y soportes de grupos de los mismos conectándolos al neutro y equipotencial del sistema.
Polaridad sustractiva.
Conecte las carcasas de los bujes neutros a tierra.



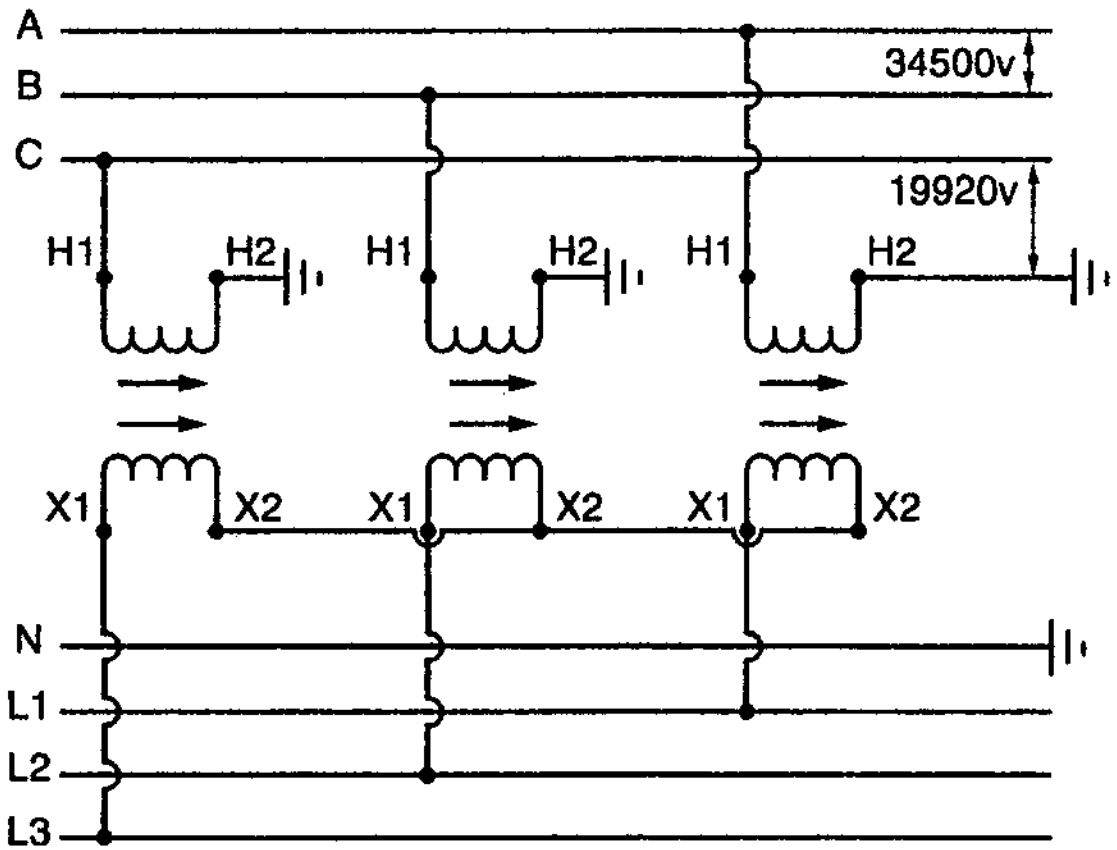
Voltajes secundarios

(1) N-L1=277 (2) N-L2=277 (3) N-L3=277

(4) L1-L2=480 (5) L1-L3=480 (6) L2-L3=480

Banco YY cerrado - 19920/34500Y - Electricidad 480

Realice la conexión de tierra a las cajas de los transformadores y soportes de grupos de los mismos conectándolos al neutro y equipotencial del sistema. Polaridad sustractiva.



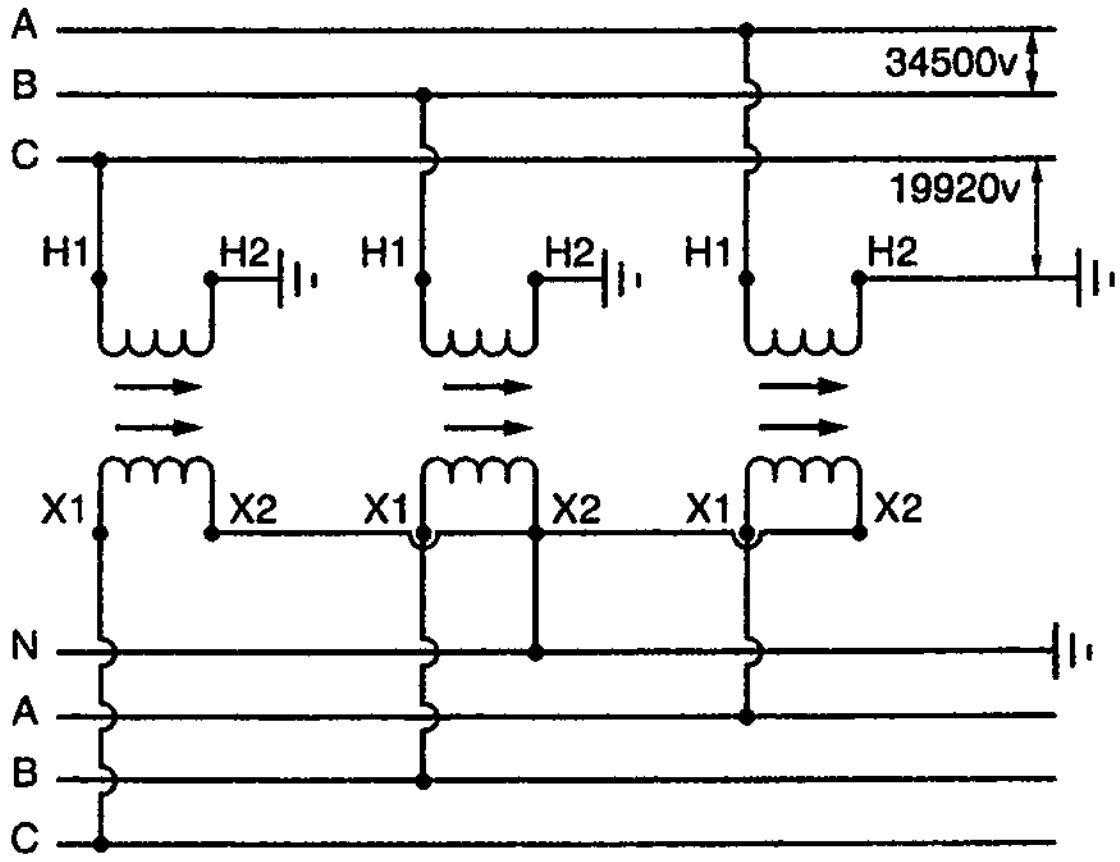
Voltajes secundarios

(1) N-L1=0+ (2) N-L2=0+ (3) N-L3=0+

(4) L1-L2=480 (5) L1-L3=480 (6) L2-L3=480

Banco YY cerrado - 19920/34500Y - 7200/12470

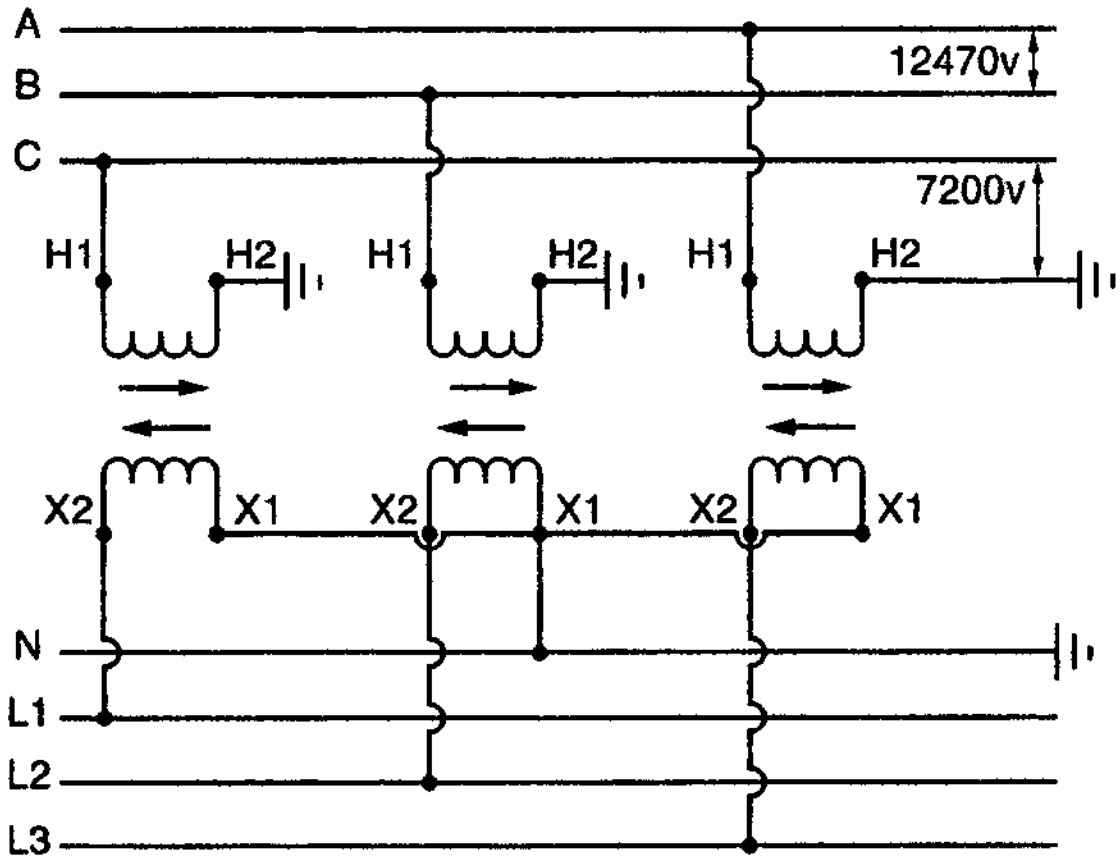
Realice la conexión de tierra a las cajas de los transformadores y soportes de grupos de los mismos conectándolos al neutro y equipotencial del sistema. Conecte las carcasas de los bujes a tierra. Polaridad sustractiva.



Voltajes secundarios
(1) N-A=7200 (2) N-B=7200 (3) N-C=7200
(4) A-B=12470 (5) A-C=12470 (6) B-C=12470

Banco YY cerrado - 7200/12470Y - 2400/4160

Realice la conexión de tierra a la caja de los transformadores y soportes de grupos de los mismos conectándolos al neutro y equipotencial del sistema. Conecte las carcasas de los bujes neutros a tierra. Polaridad aditiva.



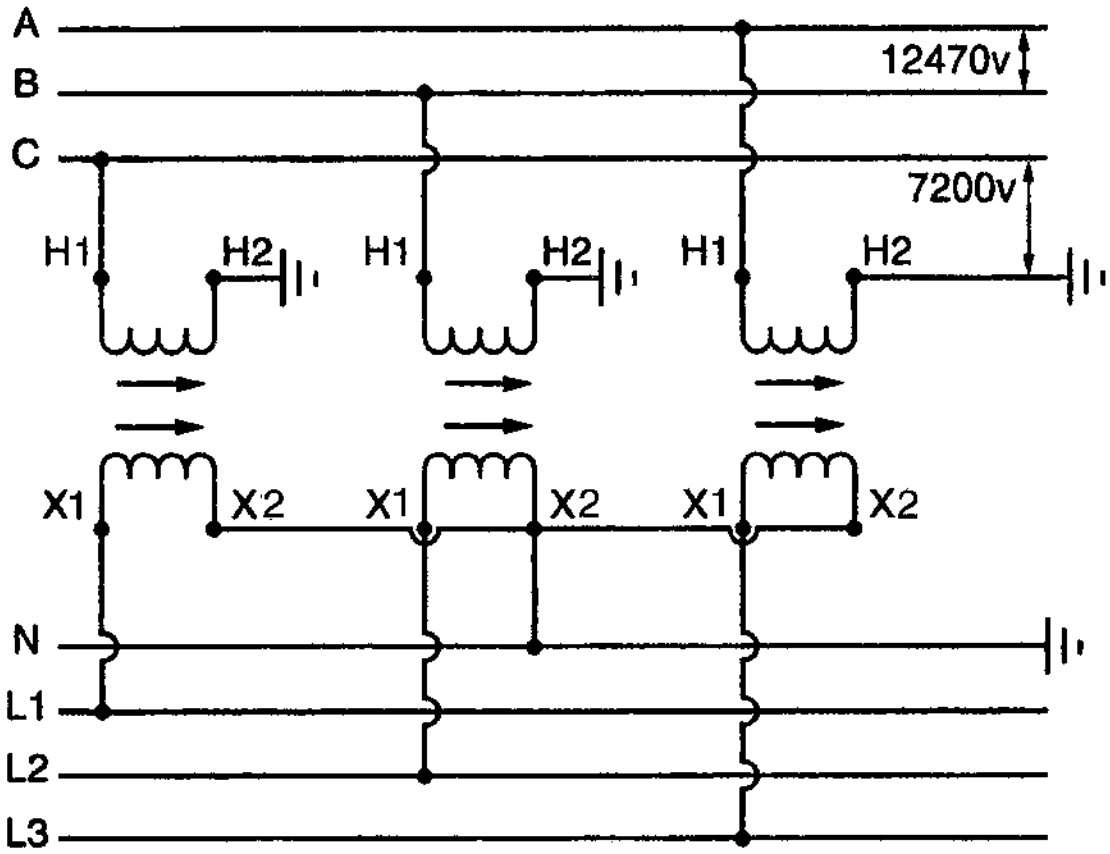
Voltajes secundarios

(1) N-L1=2400 (2) N-L2=2400 (3) N-L3=2400

(4) L1-L2=4160 (5) L1-L3=4160 (6) L2-L3=4160

Banco YY cerrado - 19920/34500Y - 2400/4160

Realice la conexión de tierra a las cajas de los transformadores y soportes de grupos de los mismos conectándolos al neutro y equipotencial del sistema. Polaridad sustractiva.



Voltajes secundarios

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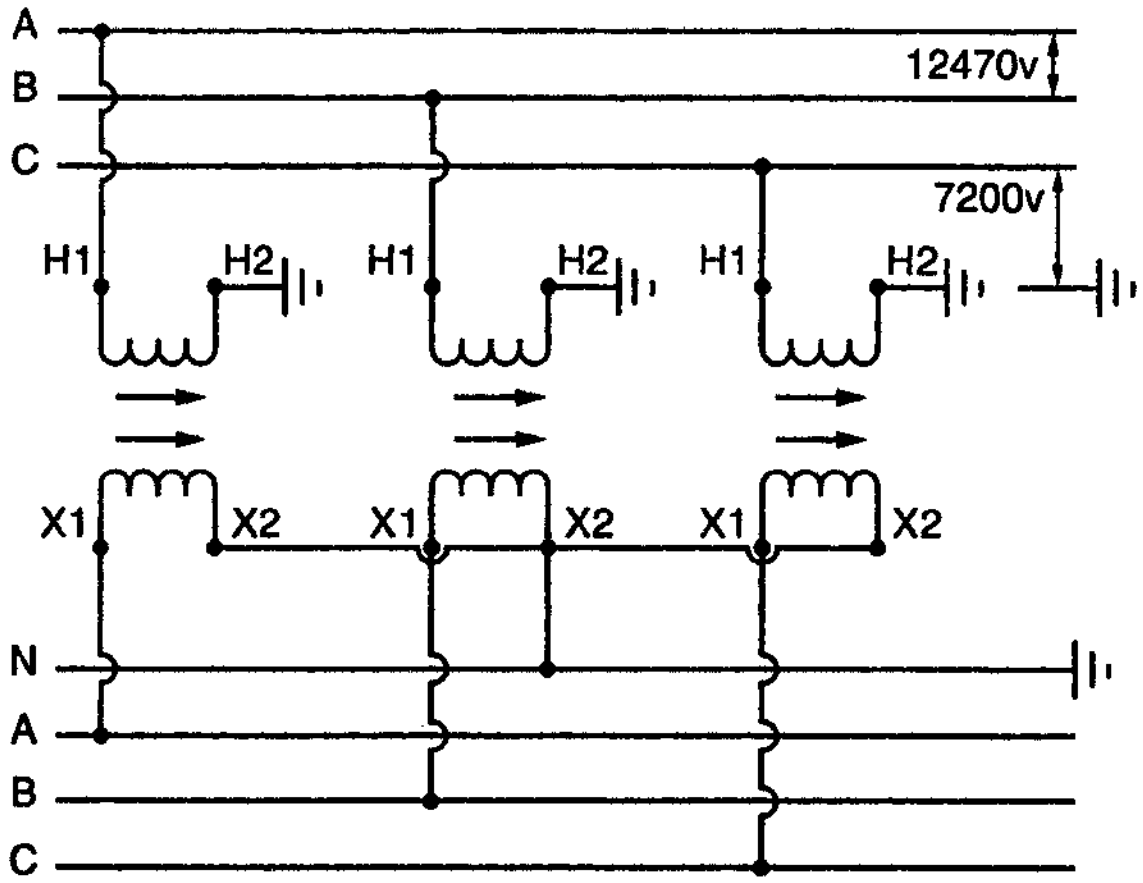
(4) L1-L2=4160 (5) L1-L3=4160 (6) L2-L3=4160

Banco YY cerrado - 7200/12470Y – 19920/34500Y

Realice la conexión de tierra a las cajas de los transformadores y soportes de grupos de los mismos conectándolos al neutro y equipotencial del sistema. Conecte las carcasas de los bujes neutros a tierra. Polaridad sustractiva.



Voltajes secundarios (1) N-A=19920 (2) N-B=19920 (3) N-C=19920 (4) A-B=34500 (5) A-C=34500 (6) B-C=34500

Notas

Información de contacto y números de emergencia de CenterPoint Energy

El Coordinador de Cuadrillas Foráneas que se le ha asignado proporcionará una lista de los números de contacto principales y de emergencia. Debe tener esta información consigo antes de comenzar el trabajo.

Información de contacto principal

Coordinador de Cuadrillas Foráneas asignado -

_____

Centro de Servicio Local - _____

Departamento de Seguridad - _____

Información de contacto en caso de emergencia

Policía - _____

Bomberos/Servicios médicos de emergencia -

_____

Hospital -_____

Mantenga un registro (por escrito) de los lugares donde ha dejado material en el sitio de trabajo y/o cualquier instancia en la cual haya realizado reparaciones temporales al sistema. Toda la documentación debe ser proporcionada al FFC de contacto que se le ha asignado.

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
PROJECT NO. 56822
INVESTIGATION OF EMERGENCY PREPAREDNESS AND RESPONSE

PUBLIC UTILITY COMMISON OF TEXAS
REQUEST NO.: PUC-RFI01-119

QUESTION:

Mobile Generation

Please provide details regarding the lease or procurement of each mobile generation facility in the TDUs control, including:

a. Details regarding the competitive bidding process used or the justification for not using a competitive bidding process;
b. The size of each mobile generation facility in megawatts (MW);
c. The initial lease or procurement date of each facility;
d. The lease term, in months, of each mobile generation facility;
e. The expiration date of each facility's lease;
f. The to-date costs associated with each mobile generation facility, including operating, leasing costs, or other capital expense;
g. The expected costs associated with each lease, including operation and leasing costs; and
h. The expected return on investment associated with each lease or procurement.

ANSWER:

a.

Large/Medium Temporary Generation Units (5MW and larger)

In July 2021, Procurement began to develop the strategic sourcing approach for the temporary generation facilities Request for Proposal (RFP) ahead of the temporary generation law becoming effective. To aid in that process, Procurement collected information to identify potential bidders, including reaching out to other utilities and users of temporary generation resources. Additionally, the team worked with CenterPoint Houston's Electric Engineering and Asset Optimization teams to obtain the technical input such as specifications, technology and fuel requirements, site details, and other specifics to inform the content of the RFP.

Consistent with the standard practice of surveying the market and following procedure to identify potential bidders and communicate the commercial and technical requirements of the RFP, Procurement communicated with potential bidders prior to the issuance of the RFPs to understand the bidders' capabilities and to share an overview of the Company's needs.

After researching and engaging possible vendors, the standard RFP template was utilized, incorporating the technical and commercial needs associated with this procurement event. Procurement conducted a competitive bid process by preparing both a short-term lease RFP with 4 suppliers invited and a long-term lease RFP with 15 suppliers invited. The pre-communication with vendors was critical in achieving CenterPoint Houston's goal to have access to temporary generation facilities in advance of peak hurricane and winter seasons for both RFPs.

The short-term RFP was issued on August 3, 2021, with responses requested by August 6, 2021, to achieve the desired September 1, 2021 effective date. Of the 4 suppliers invited, 2 responded to the RFP of which one was conforming (from Life Cycle Power ("LCP")). As a result, commercial negotiation commenced and LCP was ultimately awarded the short-term lease. Once the procurement processes were complete, the short-term contract was executed on September 1, 2021. As soon as the short-term RFP was issued, planning began for the long-term RFP. For the long-term RFP, Procurement utilized the initial work done for the short-term RFP and continued to survey the market for potential bidders. The long-term RFP was issued on October 6, 2021, with

responses requested by November 5, 2021. Of the 15 suppliers invited, 6 responded to the RFP, of which 2 were conforming. Once the procurement processes were complete, the long-term contract was executed on December 31, 2021.

After RFP responses were received for both the short-term and long-term RFPs, Procurement facilitated the bid review, bid scoring and vendor selection process with an extensive group of cross functional stakeholders across the Company including CenterPoint Houston Operations, CenterPoint Houston Engineering, Strategic Planning, Legal, Regulatory, Insurance Risk Management, Credit, and Accounting. Additionally, the team collaborated to develop the RFP evaluation criteria.

Procurement facilitated scoring with the appropriate cross functional subject matter experts to provide scores for each section. The scored sections included equipment availability, operational readiness, commercial structure, vendor financials and contract negotiations. In addition, the review process included the Strategic Planning Department as a key member of the evaluation team to provide an in-depth analysis of the commercial scenarios and benefits to customers that each bid provided.

After the review process was complete, Procurement began the commercial negotiation process to identify a preferred vendor, with the continued support and assistance from the cross functional stakeholder team where appropriate. The commercial negotiation process included developing a direct comparison of all bids, running multiple scenarios to determine the maximum benefit, and negotiating discount structures, including for pre-payment, with the bidders. During this commercial negotiation process, LCP was identified as the preferred vendor because it offered the most beneficial commercial scenario. As a result, Procurement moved into the contract negotiation phase to negotiate legal terms and conditions directly with LCP. Finally, after contract execution, Procurement continued to be involved working with the business unit on contract implementation and tracking in conjunction with Strategic Planning.

Smaller Temporary Generation Units (Less than 5MW)

In July 2023, CenterPoint Houston's Operations team requested additional temporary generation units to complement the larger units in the existing fleet. The Procurement team worked with CenterPoint Houston's Engineering team to obtain the technical specifications, fuel requirements, site details, and other specifics to inform the content of the smaller unit Request for Quotation ("RFQ"). Smaller units are defined as less than 5MW, diesel fuel units.

To support this request, Procurement conducted a competitive bid process through an RFQ for a short-term lease of smaller temporary generation units to support hurricane season. The smaller unit RFQ request was made the week of July 31, 2023, with the target of achieving a September 15, 2023 effective date. After RFQ responses were received, Procurement facilitated the quote analysis and vendor selection process with CenterPoint Houston Operations, CenterPoint Houston Engineering, Legal, Regulatory, and Accounting. The smaller unit quote analysis was based on the cost, unit composition and availability and deal structure/negotiations. As smaller generation units are more readily available pieces of equipment, the analysis was not as complex as larger units.

After the review process was complete, Procurement began the commercial negotiation process to identify a preferred vendor, with the continued support and assistance from the cross functional stakeholder team where appropriate. Ultimately, Energy Rental Solutions ("ERS") was selected as the preferred vendor because it offered the most beneficial operational and commercial solution and legal terms. The contract was executed on September 15, 2023, for a total of 3MW units to be leased from September 15 through December 31, 2023. The contract was structured to include the ability to terminate for convenience as well as for the lease payment structure to be invoiced monthly. The composition of smaller generation units was 2x1MW and 2x500kW units. The lease for these units has been extended twice and is currently through March 2025.

To be responsive to restoration needs as a result of Hurricane Beryl, CEHE secured 9 incremental units on July 7 which included 4x400kW units and on July 12 which included 3x230kW and 2x200kW units. On July 25, 2024, CEHE executed a short-term lease for these incremental units through

November 2024.

For subparts b.-g., please refer to Attachment 1 – PUC01-119, tab 'Subparts b.-g.'

For subpart h, please refer to Attachment 1 – PUC01-119, tab 'Subpart h.' Return amounts are shown in the year expected to be collected in rates based upon prior Rider TEEEF filings and expected future Rider TEEEF Filings. Expected future Rider TEEEF filings assume calendar year filing periods with rate implementation occurring on September 1 of the following year. An exception to this exists for the calendar year 2023 filing period, which assumes a rate implementation of June 1, 2025, with the annual return amount collected over the three months from June through August of that year as opposed to over an annual 12-month period. Current return amounts reflect CenterPoint Houston's weighted average cost of capital, with deferred return amounts reflecting the Company's pre-tax weighted average cost of capital. These figures do not reflect return amounts associated with any O&M deferred or for lease payments made beyond December 31, 2022. These figures also do not reflect the Company's commitment, beginning in 2028, to forego the remaining approximately $40 million of profit by not seeking recovery of prospective equity return for load-shed oriented temporary emergency generation units as new dispatchable generation comes online as a result of the Texas Energy Fund (TEF), which was established by the Texas Legislature through Senate Bill 2627 in 2023.

SPONSOR:
Carla Kneipp / Eric Easton / Jeff Garmon

RESPONSIVE DOCUMENTS:
PUC-RFI01-119 - Attachment 1

	The size of the leased mobile generation facility in MWs	The date the mobile generation facility was initially leased	The duration of the lease	Operating Cost (mobilization costs)	Lease Costs as of 6/30/24	The costs already incurred by the utility associated with the lease, including operating costs and leasing costs (total O + M + L)[1] [2]
A	Exchanged 32MW-TM2500-ESN/481-913	12/31/2021	Unit exchanged with another unit			-
B	Exchanged 32MW-TM2500-ESN/481-914	12/31/2021	Unit exchanged with another unit			-
C	Exchanged 32MW-TM2500-ESN/557-205	12/31/2021	Unit exchanged with another unit			-
D	Exchanged 32MW-TM2500-ESN/557-209	12/31/2021	Unit exchanged with another unit			-
E	Exchanged 5MW-SMT60-XTG19978	12/31/2021	Unit exchanged with another unit			-
F*	Exchanged 5MW-SMT60-XTG20185	9/1/2021	Unit exchanged with another unit	3,436	965,632	969,068
F*	Exchanged 5MW-SMT60-XTG20213	9/1/2021	Unit exchanged with another unit	856	783,952	784,808
F*	Exchanged 5MW-SMT60-XTG20214	9/1/2021	Unit exchanged with another unit	3,436	783,952	787,388
F*	Exchanged 5MW-SMT60-XTG20215	9/1/2021	Unit exchanged with another unit	206,035	783,952	989,987
F*	Exchanged 5MW-SMT60-XTG20216	9/1/2021	Unit exchanged with another unit	170,894	783,952	954,846
D	32MW-FT8-907	9/30/2022	Until 6/30/2029	1,200,805	38,217,270	39,418,075
B	32MW-FT8-1006	9/30/2022	Until 6/30/2029	1,359,540	38,217,270	39,576,810
A	32MW-FT8-1007	9/30/2022	Until 6/30/2029	1,318,568	38,217,270	39,535,838
	32MW-FT8-1428	12/31/2021	Until 6/30/2029	958,680	44,096,891	45,055,571
	32MW-FT8-1508	12/31/2021	Until 6/30/2029	991,575	44,096,891	45,088,466
F*	32MW-FT8-2104	9/1/2022	Until 6/30/2029	1,256,576	38,217,270	39,473,846
C	32MW-FT8-2105	9/30/2022	Until 6/30/2029	1,253,276	38,217,270	39,470,546
	32MW-TM2500-726 3291	3/28/2022	Until 6/30/2029	865,861	42,691,345	43,557,206
	32MW-TM2500-726 5419	3/28/2022	Until 6/30/2029	1,015,325	42,691,345	43,706,670
	32MW-TM2500-726 8825	12/31/2021	Until 6/30/2029	1,596,723	44,096,891	45,693,614
	32MW-TM2500-726 9082	3/28/2022	Until 6/30/2029	867,834	42,691,345	43,559,178
	32MW-TM2500-726 9087	3/28/2022	Until 6/30/2029	1,482,952	42,691,345	44,174,296
	32MW-TM2500-TM-30	9/1/2021	Until 6/30/2029	839,282	40,177,130	41,016,412
	32MW-TM2500-TM-33	9/1/2021	Until 6/30/2029	870,992	38,217,270	39,088,262
	32MW-TM2500-TM-34	9/1/2021	Until 6/30/2029	775,469	38,217,270	38,992,739
	5MW-SMT60-XTG21979	12/31/2021	Until 6/30/2029	638,763	9,897,728	10,536,491
	5MW-SMT60-XTG21N80	12/31/2021	Until 6/30/2029	642,934	9,897,728	10,540,662
	5MW-SMT60-XTG21N81	12/31/2021	Until 6/30/2029	315,491	9,897,728	10,213,219
	5MW-SMT60-XTG21N82	12/31/2021	Until 6/30/2029	624,594	9,897,728	10,522,322
E	5MW-SMT60-XTG21N92	3/28/2022	Until 6/30/2029	559,491	9,897,728	10,457,219
	1 MW	9/21/2023	Until 3/31/2025			-
	1 MW	9/21/2023	Until 3/31/2025			-
	500 kW	9/21/2023	Until 3/31/2025			-
	500 kW	9/21/2023	Until 3/31/2025			-
	400 kW	7/7/2024	Until 11/2024			-
	400 kW	7/7/2024	Until 11/2024			-
	400 kW	7/7/2024	Until 11/2024			-
	400 kW	7/7/2024	Until 11/2024			-
	230 kW	7/12/2024	Until 11/2024			-
	230 kW	7/12/2024	Until 11/2024			-
	230 kW	7/12/2024	Until 11/2024			-
	200 kW	7/12/2024	Until 11/2024			-
	200 kW	7/12/2024	Until 11/2024			-
				19,819,389	**664,344,150**	**684,163,540**
	Additional amounts not available by unit			**5,544,380**	**101,551,573**	**107,095,953**
	Total			**25,363,769**	**765,895,723**	**791,259,493**

Letter to the left of the columns indicate that a unit was exchanged with a different unit with same letter
F* - a single 32MW unit was exchanged out for 5 MW units

1 Does not include any recoveries of these costs.
2 Does not include any return amounts.

	The size of the leased mobile generation facility in MWs	The date the mobile generation facility was initially leased	The duration of the lease	The costs yet to be incurred associated with the lease, including operating costs and leasing costs
A	Exchanged 32MW-TM2500-ESN/481-913	12/31/2021	Unit exchanged with another unit	
B	Exchanged 32MW-TM2500-ESN/481-914	12/31/2021	Unit exchanged with another unit	
C	Exchanged 32MW-TM2500-ESN/557-205	12/31/2021	Unit exchanged with another unit	
D	Exchanged 32MW-TM2500-ESN/557-209	12/31/2021	Unit exchanged with another unit	
E	Exchanged 5MW-SMT60-XTG19978	12/31/2021	Unit exchanged with another unit	
F*	Exchanged 5MW-SMT60-XTG20185	9/1/2021	Unit exchanged with another unit	
F*	Exchanged 5MW-SMT60-XTG20213	9/1/2021	Unit exchanged with another unit	
F*	Exchanged 5MW-SMT60-XTG20214	9/1/2021	Unit exchanged with another unit	
F*	Exchanged 5MW-SMT60-XTG20215	9/1/2021	Unit exchanged with another unit	
F*	Exchanged 5MW-SMT60-XTG20216	9/1/2021	Unit exchanged with another unit	
D	32MW-FT8-907	9/30/2022	Until 6/30/2029	Lease costs on the units were paid. We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as fuel, materials, labor, etc.
B	32MW-FT8-1006	9/30/2022	Until 6/30/2029	Lease costs on the units were paid. We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as fuel, materials, labor, etc.
A	32MW-FT8-1007	9/30/2022	Until 6/30/2029	Lease costs on the units were paid. We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as fuel, materials, labor, etc.
	32MW-FT8-1428	12/31/2021	Until 6/30/2029	Lease costs on the units were paid. We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as fuel, materials, labor, etc.
	32MW-FT8-1508	12/31/2021	Until 6/30/2029	Lease costs on the units were paid. We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as fuel, materials, labor, etc.
F*	32MW-FT8-2104	9/1/2022	Until 6/30/2029	Lease costs on the units were paid. We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as fuel, materials, labor, etc.
C	32MW-FT8-2105	9/30/2022	Until 6/30/2029	Lease costs on the units were paid. We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as fuel, materials, labor, etc.
	32MW-TM2500-726 3291	3/28/2022	Until 6/30/2029	Lease costs on the units were paid. We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as fuel, materials, labor, etc.
	32MW-TM2500-726 5419	3/28/2022	Until 6/30/2029	Lease costs on the units were paid. We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as fuel, materials, labor, etc.
	32MW-TM2500-726 8825	12/31/2021	Until 6/30/2029	Lease costs on the units were paid. We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as fuel, materials, labor, etc.
	32MW-TM2500-726 9082	3/28/2022	Until 6/30/2029	Lease costs on the units were paid. We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as fuel, materials, labor, etc.
	32MW-TM2500-726 9087	3/28/2022	Until 6/30/2029	Lease costs on the units were paid. We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as fuel, materials, labor, etc.
	32MW-TM2500-TM-30	9/1/2021	Until 6/30/2029	Lease costs on the units were paid. We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as fuel, materials, labor, etc.
	32MW-TM2500-TM-33	9/1/2021	Until 6/30/2029	Lease costs on the units were paid. We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as fuel, materials, labor, etc.
	32MW-TM2500-TM-34	9/1/2021	Until 6/30/2029	Lease costs on the units were paid. We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as fuel, materials, labor, etc.
	5MW-SMT60-XTG21979	12/31/2021	Until 6/30/2029	Lease costs on the units were paid. We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as fuel, materials, labor, etc.
	5MW-SMT60-XTG21N80	12/31/2021	Until 6/30/2029	Lease costs on the units were paid. We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as fuel, materials, labor, etc.
	5MW-SMT60-XTG21N81	12/31/2021	Until 6/30/2029	Lease costs on the units were paid. We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as fuel, materials, labor, etc.
	5MW-SMT60-XTG21N82	12/31/2021	Until 6/30/2029	Lease costs on the units were paid. We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as fuel, materials, labor, etc.
E	5MW-SMT60-XTG21N92	3/28/2022	Until 6/30/2029	Lease costs on the units were paid. We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as fuel, materials, labor, etc.
	1 MW	9/21/2023	Until 3/31/2025	Costs included on line 48; We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as monthly lease cost, fuel, materials, labor, etc.
	1 MW	9/21/2023	Until 3/31/2025	Costs included on line 48; We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as monthly lease cost, fuel, materials, labor, etc.
	500 kW	9/21/2023	Until 3/31/2025	Costs included on line 48; We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as monthly lease cost, fuel, materials, labor, etc.
	500 kW	9/21/2023	Until 3/31/2025	Costs included on line 48; We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as monthly lease cost, fuel, materials, labor, etc.
	400 kW	7/7/2024	Until 11/2024	We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as monthly lease cost, fuel, materials, labor, etc.
	400 kW	7/7/2024	Until 11/2024	We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as monthly lease cost, fuel, materials, labor, etc.
	400 kW	7/7/2024	Until 11/2024	We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as monthly lease cost, fuel, materials, labor, etc.
	400 kW	7/7/2024	Until 11/2024	We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as monthly lease cost, fuel, materials, labor, etc.
	230 kW	7/12/2024	Until 11/2024	We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as monthly lease cost, fuel, materials, labor, etc.
	230 kW	7/12/2024	Until 11/2024	We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as monthly lease cost, fuel, materials, labor, etc.
	230 kW	7/12/2024	Until 11/2024	We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as monthly lease cost, fuel, materials, labor, etc.
	200 kW	7/12/2024	Until 11/2024	We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as monthly lease cost, fuel, materials, labor, etc.
	200 kW	7/12/2024	Until 11/2024	We don't have actual estimates on the ongoing operating cost but in general the cost could include future deployment cost such as monthly lease cost, fuel, materials, labor, etc.

Additional amounts not available by unit

Total

Letter to the left of the columns indicate tha
F* - a single 32MW unit was exchanged out
1 Does not include any recoveries of these co
2 Does not include any return amounts.

	Current Return	12/31/2021	12/31/2022	12/31/2023
	LT Lease			
1	32MW-TM2500-726 8825	$ -	$ -	$ 3,367,275
2	32MW-FT8-1428	-	-	3,367,275
3	32MW-FT8-1508	-	-	3,367,275
4/4a	Exchanged 5MW-SMT60-XTG20185	-	-	612,041
5/5a	Exchanged 5MW-SMT60-XTG20213	-	-	496,884
6/6a	Exchanged 5MW-SMT60-XTG20214	-	-	496,884
7/7a	Exchanged 5MW-SMT60-XTG20215	-	-	496,884
8/8a	Exchanged 5MW-SMT60-XTG20216	-	-	496,884
4b	5MW-SMT60-XTG21N92	-	-	217,494
5b	5MW-SMT60-XTG21979	-	-	217,494
6b	5MW-SMT60-XTG21N80	-	-	217,494
7b	5MW-SMT60-XTG21N81	-	-	217,494
8b	5MW-SMT60-XTG21N82	-	-	217,494
9	32MW-TM2500-726 3291	-	-	958,053
10	32MW-TM2500-726 5419	-	-	958,053
11	32MW-TM2500-726 9087	-	-	958,053
12	32MW-TM2500-726 9082	-	-	958,053
13	32MW-TM2500-TM-30	-	-	885,067
14	32MW-TM2500-TM-34	-	-	829,821
15	32MW-TM2500-TM-33	-	-	829,821
16	32MW-FT8-1007	-	-	829,821
17	32MW-FT8-2105	-	-	829,821
18	32MW-FT8-907	-	-	829,821
19	32MW-FT8-1006	-	-	829,821
20	32MW-FT8-2104	-	-	829,821
	Total Long-term Lease	-	-	24,314,890
	ST Lease	-	-	2,858,017
	Total Current Return	$ -	$ -	$ 27,172,908

	Deferred Return			
	LT Lease			
1	32MW-TM2500-726 8825	$ -	$ -	$ 139,710
2	32MW-FT8-1428	-	-	139,710
3	32MW-FT8-1508	-	-	139,710
4/4a	Exchanged 5MW-SMT60-XTG20185	-	-	25,427
5/5a	Exchanged 5MW-SMT60-XTG20213	-	-	20,642
6/6a	Exchanged 5MW-SMT60-XTG20214	-	-	20,642

7/7a	Exchanged 5MW-SMT60-XTG20215	-	-	20,642
8/8a	Exchanged 5MW-SMT60-XTG20216	-	-	20,642
4b	5MW-SMT60-XTG21N92	-	-	8,991
5b	5MW-SMT60-XTG21979	-	-	8,991
6b	5MW-SMT60-XTG21N80	-	-	8,991
7b	5MW-SMT60-XTG21N81	-	-	8,991
8b	5MW-SMT60-XTG21N82	-	-	8,991
9	32MW-TM2500-726 3291	-	-	94,594
10	32MW-TM2500-726 5419	-	-	94,594
11	32MW-TM2500-726 9087	-	-	94,594
12	32MW-TM2500-726 9082	-	-	94,594
13	32MW-TM2500-TM-30	-	-	36,498
14	32MW-TM2500-TM-34	-	-	914
15	32MW-TM2500-TM-33	-	-	914
16	32MW-FT8-1007	-	-	914
17	32MW-FT8-2105	-	-	914
18	32MW-FT8-907	-	-	914
19	32MW-FT8-1006	-	-	914
20	32MW-FT8-2104	-	-	914
	Total Long-term Lease	-	-	993,357
	ST Lease	-	-	359,652
	Total Deferred Return	$ -	$ -	$ 1,353,009
	Total Return			
	LT Lease			
1	32MW-TM2500-726 8825	$ -	$ -	$ 3,506,984
2	32MW-FT8-1428	-	-	3,506,984
3	32MW-FT8-1508	-	-	3,506,984
4/4a	Exchanged 5MW-SMT60-XTG20185	-	-	637,468
5/5a	Exchanged 5MW-SMT60-XTG20213	-	-	517,526
6/6a	Exchanged 5MW-SMT60-XTG20214	-	-	517,526
7/7a	Exchanged 5MW-SMT60-XTG20215	-	-	517,526
8/8a	Exchanged 5MW-SMT60-XTG20216	-	-	517,526
4b	5MW-SMT60-XTG21N92	-	-	226,485
5b	5MW-SMT60-XTG21979	-	-	226,485
6b	5MW-SMT60-XTG21N80	-	-	226,485
7b	5MW-SMT60-XTG21N81	-	-	226,485
8b	5MW-SMT60-XTG21N82	-	-	226,485
9	32MW-TM2500-726 3291	-	-	1,052,647
10	32MW-TM2500-726 5419	-	-	1,052,647
11	32MW-TM2500-726 9087	-	-	1,052,647
12	32MW-TM2500-726 9082	-	-	1,052,647
13	32MW-TM2500-TM-30	-	-	921,565
14	32MW-TM2500-TM-34	-	-	830,735
15	32MW-TM2500-TM-33	-	-	830,735

16	32MW-FT8-1007	-	-	830,735
17	32MW-FT8-2105	-	-	830,735
18	32MW-FT8-907	-	-	830,735
19	32MW-FT8-1006	-	-	830,735
20	32MW-FT8-2104	-	-	830,735
	Total Long-term Lease	-	-	25,308,247
	ST Lease	-	-	3,217,670
	Total Return	$ -	$ -	$ 28,525,917

12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029
$ 2,849,082	$ 2,414,357	$ 2,048,297	$ 1,673,812	$ 1,299,215	$ 924,373
2,849,082	2,414,357	2,048,297	1,673,812	1,299,215	924,373
2,849,082	2,414,357	2,048,297	1,673,812	1,299,215	924,373
54,681	(15,630)	(25,260)	(33,153)	(41,022)	(48,841)
44,393	(12,689)	(20,507)	(26,915)	(33,304)	(39,652)
44,393	(12,689)	(20,507)	(26,915)	(33,304)	(39,652)
44,393	(12,689)	(20,507)	(26,915)	(33,304)	(39,652)
44,393	(12,689)	(20,507)	(26,915)	(33,304)	(39,652)
647,196	610,412	529,862	445,500	361,087	276,563
647,196	610,412	529,862	445,500	361,087	276,563
647,196	610,412	529,862	445,500	361,087	276,563
647,196	610,412	529,862	445,500	361,087	276,563
647,196	610,412	529,862	445,500	361,087	276,563
2,846,406	2,676,519	2,324,872	1,956,238	1,587,380	1,218,027
2,846,406	2,676,519	2,324,872	1,956,238	1,587,380	1,218,027
2,846,406	2,676,519	2,324,872	1,956,238	1,587,380	1,218,027
2,846,406	2,676,519	2,324,872	1,956,238	1,587,380	1,218,027
2,633,457	2,483,267	2,155,425	1,812,104	1,468,579	1,124,603
2,471,743	2,335,603	2,026,303	1,702,622	1,378,753	1,054,463
2,471,743	2,335,603	2,026,303	1,702,622	1,378,753	1,054,463
2,471,743	2,335,603	2,026,303	1,702,622	1,378,753	1,054,463
2,471,743	2,335,603	2,026,303	1,702,622	1,378,753	1,054,463
2,471,743	2,335,603	2,026,303	1,702,622	1,378,753	1,054,463
2,471,743	2,335,603	2,026,303	1,702,622	1,378,753	1,054,463
2,471,743	2,335,603	2,026,303	1,702,622	1,378,753	1,054,463
43,336,761	39,767,309	34,325,951	28,663,535	22,998,211	17,326,439
5,431,534	5,210,760	4,576,055	3,889,204	3,200,229	2,509,655
$ 48,768,295	$ 44,978,069	$ 38,902,006	$ 32,552,739	$ 26,198,440	$ 19,836,094

$ 393,082	$ 596,421	$ 557,820	$ 562,872	$ 563,188	$ 563,209
393,082	596,421	557,820	562,872	563,188	563,209
393,082	596,421	557,820	562,872	563,188	563,209
69,863	27,925	35,886	34,844	34,779	34,775
56,718	22,671	29,134	28,288	28,235	28,232
56,718	22,671	29,134	28,288	28,235	28,232

56,718	22,671	29,134	28,288	28,235	28,232
56,718	22,671	29,134	28,288	28,235	28,232
26,974	119,005	101,534	103,820	103,964	103,973
26,974	119,005	101,534	103,820	103,964	103,973
26,974	119,005	101,534	103,820	103,964	103,973
26,974	119,005	101,534	103,820	103,964	103,973
26,974	119,005	101,534	103,820	103,964	103,973
283,783	693,778	615,946	626,133	626,770	626,812
283,783	693,778	615,946	626,133	626,770	626,812
283,783	693,778	615,946	626,133	626,770	626,812
283,783	693,778	615,946	626,133	626,770	626,812
109,493	483,067	412,149	421,431	422,012	422,050
2,742	349,821	283,933	292,557	293,096	293,132
2,742	349,821	283,933	292,557	293,096	293,132
2,742	349,821	283,933	292,557	293,096	293,132
2,742	349,821	283,933	292,557	293,096	293,132
2,742	349,821	283,933	292,557	293,096	293,132
2,742	349,821	283,933	292,557	293,096	293,132
2,742	349,821	283,933	292,557	293,096	293,132
2,874,674	8,209,820	7,197,013	7,329,574	7,337,869	7,338,415
600,561	1,359,324	1,240,689	1,273,020	1,275,166	1,275,316
$ 3,475,234	$ 9,569,144	$ 8,437,702	$ 8,602,594	$ 8,613,035	$ 8,613,731

$ 3,242,165	$ 3,010,778	$ 2,606,117	$ 2,236,684	$ 1,862,404	$ 1,487,583
3,242,165	3,010,778	2,606,117	2,236,684	1,862,404	1,487,583
3,242,165	3,010,778	2,606,117	2,236,684	1,862,404	1,487,583
124,544	12,295	10,626	1,692	(6,243)	(14,067)
101,111	9,982	8,627	1,374	(5,068)	(11,420)
101,111	9,982	8,627	1,374	(5,068)	(11,420)
101,111	9,982	8,627	1,374	(5,068)	(11,420)
101,111	9,982	8,627	1,374	(5,068)	(11,420)
674,170	729,416	631,396	549,320	465,050	380,536
674,170	729,416	631,396	549,320	465,050	380,536
674,170	729,416	631,396	549,320	465,050	380,536
674,170	729,416	631,396	549,320	465,050	380,536
674,170	729,416	631,396	549,320	465,050	380,536
3,130,189	3,370,296	2,940,818	2,582,371	2,214,150	1,844,839
3,130,189	3,370,296	2,940,818	2,582,371	2,214,150	1,844,839
3,130,189	3,370,296	2,940,818	2,582,371	2,214,150	1,844,839
3,130,189	3,370,296	2,940,818	2,582,371	2,214,150	1,844,839
2,742,950	2,966,334	2,567,573	2,233,535	1,890,591	1,546,653
2,474,485	2,685,424	2,310,236	1,995,179	1,671,849	1,347,595
2,474,485	2,685,424	2,310,236	1,995,179	1,671,849	1,347,595

2,474,485	2,685,424	2,310,236	1,995,179	1,671,849	1,347,595
2,474,485	2,685,424	2,310,236	1,995,179	1,671,849	1,347,595
2,474,485	2,685,424	2,310,236	1,995,179	1,671,849	1,347,595
2,474,485	2,685,424	2,310,236	1,995,179	1,671,849	1,347,595
2,474,485	2,685,424	2,310,236	1,995,179	1,671,849	1,347,595
46,211,434	47,977,129	41,522,964	35,993,109	30,336,079	24,664,854
6,032,095	6,570,084	5,816,744	5,162,224	4,475,395	3,784,971
$ 52,243,529	$ 54,547,213	$ 47,339,708	$ 41,155,333	$ 34,811,474	$ 28,449,825

12/31/2030	12/31/2031	12/31/2032	12/31/2033	Total
$ 565,269	$ 245,510	$ 29,980	$ 2,905	$ 15,420,075
565,269	245,510	29,980	2,905	15,420,075
565,269	245,510	29,980	2,905	15,420,075
(56,008)	(62,524)	(48,526)	(6,739)	329,018
(45,470)	(50,760)	(39,396)	(5,471)	267,115
(45,470)	(50,760)	(39,396)	(5,471)	267,115
(45,470)	(50,760)	(39,396)	(5,471)	267,115
(45,470)	(50,760)	(39,396)	(5,471)	267,115
195,263	123,006	55,912	7,455	3,469,749
195,263	123,006	55,912	7,455	3,469,749
195,263	123,006	55,912	7,455	3,469,749
195,263	123,006	55,912	7,455	3,469,749
195,263	123,006	55,912	7,455	3,469,749
863,430	547,246	248,748	33,166	15,260,086
863,430	547,246	248,748	33,166	15,260,086
863,430	547,246	248,748	33,166	15,260,086
863,430	547,246	248,748	33,166	15,260,086
793,543	499,310	226,959	30,261	14,112,576
741,946	464,816	211,280	28,171	13,245,520
741,946	464,816	211,280	28,171	13,245,520
741,946	464,816	211,280	28,171	13,245,520
741,946	464,816	211,280	28,171	13,245,520
741,946	464,816	211,280	28,171	13,245,520
741,946	464,816	211,280	28,171	13,245,520
741,946	464,816	211,280	28,171	13,245,520
11,875,120	7,028,006	2,864,303	377,485	232,878,011
1,818,980	1,128,298	476,838	63,218	31,162,786
$ 13,694,099	$ 8,156,304	$ 3,341,141	$ 440,703	$ 264,040,797

$ 563,211	$ 563,211	$ 93,868		$ 4,596,593
563,211	563,211	93,868		4,596,593
563,211	563,211	93,868		4,596,593
34,774	34,774	5,796		338,844
28,232	28,232	4,705		275,089
28,232	28,232	4,705		275,089

28,232	28,232	4,705		275,089
28,232	28,232	4,705		275,089
103,974	103,974	17,329		793,537
103,974	103,974	17,329		793,537
103,974	103,974	17,329		793,537
103,974	103,974	17,329		793,537
103,974	103,974	17,329		793,537
626,815	626,815	104,469		4,925,914
626,815	626,815	104,469		4,925,914
626,815	626,815	104,469		4,925,914
626,815	626,815	104,469		4,925,914
422,053	422,053	70,342		3,221,146
293,134	293,135	48,856		2,151,320
293,134	293,135	48,856		2,151,320
293,134	293,135	48,856		2,151,320
293,134	293,135	48,856		2,151,320
293,134	293,135	48,856		2,151,320
293,134	293,135	48,856		2,151,320
293,134	293,135	48,856		2,151,320
7,338,455	7,338,458	1,223,076	-	57,180,711
1,275,328	1,275,329	212,555		10,146,939
$ 8,613,782	$ 8,613,787	$ 1,435,631	$ -	$ 67,327,650

$ 1,128,480	$ 808,721	$ 123,849	$ 2,905	$ 20,016,669
1,128,480	808,721	123,849	2,905	20,016,669
1,128,480	808,721	123,849	2,905	20,016,669
(21,233)	(27,750)	(42,731)	(6,739)	667,862
(17,238)	(22,528)	(34,691)	(5,471)	542,204
(17,238)	(22,528)	(34,691)	(5,471)	542,204
(17,238)	(22,528)	(34,691)	(5,471)	542,204
(17,238)	(22,528)	(34,691)	(5,471)	542,204
299,237	226,980	73,241	7,455	4,263,286
299,237	226,980	73,241	7,455	4,263,286
299,237	226,980	73,241	7,455	4,263,286
299,237	226,980	73,241	7,455	4,263,286
299,237	226,980	73,241	7,455	4,263,286
1,490,245	1,174,061	353,217	33,166	20,186,001
1,490,245	1,174,061	353,217	33,166	20,186,001
1,490,245	1,174,061	353,217	33,166	20,186,001
1,490,245	1,174,061	353,217	33,166	20,186,001
1,215,596	921,363	297,301	30,261	17,333,722
1,035,080	757,951	260,136	28,171	15,396,840
1,035,080	757,951	260,136	28,171	15,396,840

1,035,080	757,951	260,136	28,171	15,396,840
1,035,080	757,951	260,136	28,171	15,396,840
1,035,080	757,951	260,136	28,171	15,396,840
1,035,080	757,951	260,136	28,171	15,396,840
1,035,080	757,951	260,136	28,171	15,396,840
19,213,574	14,366,464	4,087,380	377,485	290,058,722
3,094,307	2,403,627	689,392	63,218	41,309,726
$ 22,307,882	$ 16,770,091	$ 4,776,772	$ 440,703	$ 331,368,447

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
PROJECT NO. 56822
INVESTIGATION OF EMERGENCY PREPAREDNESS AND RESPONSE

PUBLIC UTILITY COMMISON OF TEXAS
REQUEST NO.: PUC-RFI01-120

QUESTION:

Mobile Generation

Please provide details regarding mobile generation or temporary emergency electric energy facilities (TEEEF):

a. The control number of the TDU's most recently approved mobile generation or TEEEF cost recovery;

b. Details regarding whether the mobile generation or TEEEF cost recovery was processed as part of a larger Distribution Cost Recovery Factor proceeding or in a separate contested case;

c. The revenue requirement associated with the TDU's mobile generation or TEEEF expenses, broken out by rate class; and

d. The in-force tariffs associated with the TDU's mobile generation or TEEEF rider, broken out by rate class.

ANSWER:

a. Control Number: 54830

b. Docket No. 54830 was a separate contested case specifically for Rider TEEEF.

c.

Settlement Before Refund	**Cumulative**
	TEEEF Revenue
Class	**by Class**
Residential	$ 83,853,435
Secondary <= 10	$ 1,338,378
Secondary > 10	$ 60,820,896
Primary	$ 6,485,541
Transmission	$ -
Lighting	$ 704,797
Total	**$ 153,203,047**

Docket No. 54830 item number 146, Excel Spreadsheet "Exhibit B – TEEEF Schedules H and J" Tab "Settlement Summary"

d.

Docket No. 54830 Final Settlement Rates		
Class	**Rate With Refund**	**Units**
Residential	$ 0.002392	per kWh
Secondary <= 10	$ 0.001403	per kWh
Secondary > 10	$ 0.504912	per Billing kVa
Primary	$ 0.449845	per Billing kVa
Transmission	$ -	per 4CP kVa
Lighting	$ 0.002852	per kWh

The current rates for Rider TEEEF include a refund of $10,121,984 because of the settlement agreement in Docket No. 54830. Please see Docket No. 54830 item number 146, Excel Spreadsheet "Exhibit B – TEEEF Schedules H and J" Tab "Settlement Summary" for more detail.

SPONSOR:
John Durland

RESPONSIVE DOCUMENTS:
None

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
PROJECT NO. 56822
INVESTIGATION OF EMERGENCY PREPAREDNESS AND RESPONSE

PUBLIC UTILITY COMMISON OF TEXAS
REQUEST NO.: PUC-RFI01-121

QUESTION:

Mobile Generation

Provide the following information concerning your customer base:

a. Total number of customers served by rate class:

b. Average demand by rate class;

c. Peak demand by rate class; and

d. Net peak demand by rate class.

ANSWER:

Please see PUC-RFI01-121 Attachment.xlsx

SPONSOR:
John Durland

RESPONSIVE DOCUMENTS:
PUC-RFI01-121 Attachment.xlsx

Total number of customers served by rate class:

Class	Rate	2023 Year-End Number of Customers	7/31/2024 Number of Customers
Residential (Non-IDR)	RS		
Non-IDR		2,455,309	2,488,839
Secondary Voltage Small	SVS		
Non-IDR		155,736	157,507
IDR		40	43
Total		155,776	157,550
Secondary Voltage Large	SVL		
Non-IDR		147,146	148,011
IDR		4,024	4,082
Total		151,170	152,093
Primary Voltage Service	PVS		
Non-IDR		402	403
IDR		645	647
Total		1,047	1,050
Transmission Voltage Service	TVS		
Total		233	239
Miscellaneous Lighting Service	MLS		
Total		10,660	10,441
Street Lighting Service	SLS		
Total		5,654	5,694
Total Customer Count		2,779,849	2,815,906

Average demand by rate class;

2023 Average NCP demand by rate class at the meter (MW):	
Residential (Non-IDR)	RS
Non-IDR	6,984
Secondary Voltage Small	SVS
Non-IDR	134.4823
IDR	0.72143
Secondary Voltage Large	SVL
Non-IDR	3269.872
IDR	2225.319
Primary Voltage Service	PVS
Non-IDR	58.61939
IDR	614.7395
Transmission Voltage Service	TVS
	4086.057
Miscellaneous Lighting Service	MLS
	10.42756
Street Lighting Service	SLS
	41.43466

2023 Average hourly demand at the meter (MW):	
Residential (Non-IDR)	RS
Non-IDR	3,867.1
Secondary Voltage Small	SVS
Non-IDR	102.2
IDR	0.4
Secondary Voltage Large	SVL
Non-IDR	2,097.8
IDR	1,590.1
Primary Voltage Service	PVS
Non-IDR	41.2
IDR	501.1
Transmission Voltage Service	TVS
	3,729.8
Miscellaneous Lighting Service	MLS
	5.1
Street Lighting Service	SLS
	20.4

Peak demand by rate class;

2023 Peak NCP demand by rate class at the source (MW):	
Residential (Non-IDR)	RES
Non-IDR	11,330.53
Secondary Voltage Small	SVS
Non-IDR	156.24
IDR	1.37
Secondary Voltage Large	SVL
Non-IDR	4,283.54
IDR	2,667.70
Primary Voltage Service	PVS
Non-IDR	95.05
IDR	726.44
Transmission Voltage Service	TVS
	4,481.24
Miscellaneous Lighting Service	MLS
	11.23
Street Lighting Service	SLS
	44.61

Net peak demand by rate class

2023 Peak NCP demand by rate class at the meter (MW):		
Residential (Non-IDR)	RS	
Non-IDR		10,651
Secondary Voltage Small	SVS	
Non-IDR		147
IDR		1
Secondary Voltage Large	SVL	
Non-IDR		4,021
IDR		2,509
Primary Voltage Service	PVS	
Non-IDR		91
IDR		698
Transmission Voltage Service	TVS	
		4,389
Miscellaneous Lighting Service	MLS	
		10
Street Lighting Service	SLS	
		41

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
PROJECT NO. 56822
INVESTIGATION OF EMERGENCY PREPAREDNESS AND RESPONSE

PUBLIC UTILITY COMMISON OF TEXAS
REQUEST NO.: PUC-RFI01-122

QUESTION:

Mobile Generation

Please provide information on the average customer density by circuit mile for the feeders in the Impacted Area.

ANSWER:

Average customer density by circuit mile for the impacted area is approximately 101. The number of feeders impacted respresents 91% of CenterPoint Houston's distribution feeders. Please see PUC-RFI01-122.pdf for customer density per mile for each impacted feeder.

SPONSOR:
Eric Easton

RESPONSIVE DOCUMENTS:
PUC-RFI01-122 Attachment

PUC-RFI01-0122

Please provide information on the average customer density by circuit mile for the feeders in the Impacted Area.

Circuit	Average Customer per Circuit Mile
AD01	59
AD02	0
AD03	54
AD04	86
AD05	83
AD06	58
AD07	70
AD08	116
AD09	101
AD10	41
AD11	77
ADK42	85
ADK43	58
ADK44	45
ADK45	97
ADK46	4
ADK47	87
ADK48	78
ADK49	50
AE05	9
AE06	9
AF01	212
AF02	118
AF03	146
AF04	152
AF05	124
AF06	132
AF07	113
AF08	189
AF09	189
AF10	131
AF11	156

AF12	116
AI05	11
AI06	9
AI07	10
AI08	8
AI09	11
AI10	8
AL05	39
AL06	28
AL07	33
AL08	41
AL09	32
AL10	36
AL11	36
AL12	34
AM01	54
AM02	89
AM03	72
AM04	96
AM05	107
AM06	83
AM07	52
AM08	82
AM09	85
AM10	83
AN01	125
AN02	189
AN03	113
AN04	137
AN05	123
AN06	142
AN07	203
AN08	77
AN09	108
AN10	102
AN11	184
AN12	294
AR41	35
AR42	67
AR43	64
AR44	57

AR45	65
AR46	61
AR47	36
AT41	28
AT42	28
AT43	60
AV02	12
AV03	25
BA01	88
BA02	94
BA03	188
BA04	100
BA41	130
BA42	90
BA43	90
BA44	109
BA45	105
BA46	103
BA47	105
BAR41	165
BAR42	102
BAR43	128
BAR44	100
BAR45	103
BAR46	91
BAR47	95
BAR48	142
BC08	43
BC09	16
BE01	90
BE02	106
BE03	79
BE04	115
BG01	177
BG02	294
BG03	102
BG04	130
BG05	202
BG06	177
BG07	189
BG08	0

BG09	129
BG10	194
BG11	171
BG12	130
BH04	124
BH05	167
BH06	54
BH07	112
BH08	126
BH09	122
BI01	377
BI02	207
BI03	197
BI04	219
BI05	126
BI06	154
BI07	117
BI08	122
BI09	200
BI10	12
BI11	182
BI41	190
BI42	278
BI43	378
BI44	16
BI45	276
BI46	101
BI47	205
BL01	81
BL02	120
BL03	101
BL04	76
BL05	115
BL06	86
BL07	183
BL08	97
BL09	73
BL10	62
BM01	92
BM03	101
BM04	85

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HR04	137
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HV42	118
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HY04	407
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HY06	264
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JN06	546
JN07	173
JN08	222
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TM05	3
TO01	189
TO02	82
TO03	74
TO04	49
TO05	111
TO06	86
TO07	210
TO08	116
TO09	142
TO10	210
TO11	111
TRN01	21
TRN02	4
TRN03	24
TRN04	48
TRN05	24
TRN07	21
TRN41	39
TRN42	3
TRN43	1
TRN44	2
TRN45	31
TV01	70
TV02	69
TV03	67
TV04	114
TV05	10
TWG41	99
TWG42	79
TWG43	79
TWG44	86
TWG46	53

UL02	220
UL03	95
UL04	264
UL09	244
UL13	989
UL14	253
UL15	125
UL16	113
UL45	222
UL46	257
UL47	242
UL48	351
UL49	256
UN01	84
UN02	142
UN03	95
UN04	114
UN05	130
UN08	142
UN09	140
UN10	126
UN11	92
UV01	142
UV02	56
UV03	107
UV04	143
UV05	97
UV06	98
UV07	82
UV08	99
UW02	83
UW03	54
UW04	49
UW05	47
UW06	36
UW07	89
VCR41	91
VCR42	90
VCR43	56
VCR44	49
VL01	69

VL02	47
VL03	36
VL04	60
VL05	2
VL06	61
VL07	25
WA41	7
WA42	9
WA43	11
WA44	12
WBY01	33
WBY02	42
WBY03	71
WC01	6
WD41	73
WD42	35
WD44	3
WD45	60
WD46	119
WD47	77
WD48	116
WD50	127
WE01	63
WE02	87
WE03	34
WE04	13
WE05	6
WE06	54
WE07	5
WE08	113
WEB01	251
WEB02	51
WEB03	133
WEB04	141
WEB05	51
WEB06	168
WEB07	35
WEB08	110
WEB09	45
WEB10	95
WEB11	116

WEB12	46
WF01	66
WF03	117
WF05	76
WF41	110
WF42	162
WF43	19
WF44	96
WF45	46
WF46	216
WF47	104
WF48	91
WF49	141
WI01	200
WI02	152
WI03	82
WI04	161
WI05	92
WI06	105
WI07	169
WI41	120
WI42	126
WI43	201
WI44	136
WI45	206
WI46	213
WL02	82
WL41	17
WL42	24
WL43	35
WLO41	112
WLO42	85
WLO43	95
WLO44	189
WO01	155
WO02	135
WO03	125
WO04	121
WO05	132
WO06	244
WO07	256

WO08	165
WO09	88
WO10	177
WO11	25
WO12	163
WO13	151
WO14	165
WO15	135
WOR41	142
WOR42	169
WOR43	82
WOR44	94
WOR45	140
WOR46	130
WR09	18
WR10	15
WR11	8
WR12	23
WR13	75
WR14	53
WR15	26
WT01	98
WT02	186
WT03	69
WT04	44
WT05	98
WT06	53
WT07	114
WT08	35
WT09	71
WT10	91
WT11	59
WT12	148
WV01	20
WV02	114
WV03	154
WW01	122
WW02	88
WW03	237
WW04	125
WW05	346

WW06	304
WW07	217
WW08	69
WW09	165
WW10	270
WZ41	323
WZ42	82
WZ43	130
WZ44	161
WZ45	296
WZ46	427
WZ47	135
WZ48	105
MYK03	0
TWN41	0
TWN42	0

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
PROJECT NO. 56822
INVESTIGATION OF EMERGENCY PREPAREDNESS AND RESPONSE

PUBLIC UTILITY COMMISON OF TEXAS
REQUEST NO.: PUC-RFI01-123

QUESTION:

Mobile Generation

Please provide an explanation of any alternatives to mobile generation facilities considered by the TDU before entering a lease for or procuring mobile generation facilities.

ANSWER:

Under the statutory structure applicable at the time, there are no feasible alternatives to TEEEF available to TDUs that provide continuous electric energy for longer periods of time. Batteries and other energy storage solutions only offer energy for a limited period of time before they have to be recharged. In addition to TEEEF, CenterPoint Houston did consider several measures from a load shed perspective to expand load shed capability including circuit segmentation and use of under-frequency load shed circuits. However, TEEEF was still needed to reduce overall outage duration and to allow customers to be rotated in a more even and predictable manner. CenterPoint Houston also evaluated several factors such as generator type (turbines or reciprocating engines), fuel type, operating voltage, size, etc. before deciding on the appropriate TEEEF to lease.

SPONSOR:
Eric Easton

RESPONSIVE DOCUMENTS:
None

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
PROJECT NO. 56822
INVESTIGATION OF EMERGENCY PREPAREDNESS AND RESPONSE

PUBLIC UTILITY COMMISON OF TEXAS
REQUEST NO.: PUC-RFI01-124

QUESTION:

Mobile Generation

Please describe the specific use cases contemplated by the TDU before executing a contract for the lease or procurement of mobile generation facilities.

ANSWER:

CenterPoint Houston had two separate types of use cases that it contemplated before procuring TEEEF. These include load shed support and load restoration support. These use cases were based on the use cases outlined in PURA 39.918 initially adopted in the 87th legislative session through House BIll 2483 and later updated in 88th legislative session through House Bill 1500. In load shed application, TEEEF units will be used to transfer load from the system to generators after a directive from ERCOT to shed load is received. This will allow CenterPoint Houston to meet its load shed obligation while reducing the outage duration to its customers. In load restoration application, TEEEF are used to restore service to customers following an event that meets the criteria specified in PURA 39.918. In both applications, TEEEF will be connected to load that is already disconnected from CenterPoint Houston's system. Examples of this include TEEEF deployments made following Hurricane Beryl in July 2024 and following Derecho event in May, 2024. In addition to the lessons learned from previous deployments, the expanded deployment criteria added by House Bill 1500 also influenced the use cases that CenterPoint Houston evaluated for procurement of additional TEEEF units.

SPONSOR:
Eric Easton

RESPONSIVE DOCUMENTS:
None

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
PROJECT NO. 56822
INVESTIGATION OF EMERGENCY PREPAREDNESS AND RESPONSE

PUBLIC UTILITY COMMISON OF TEXAS
REQUEST NO.: PUC-RFI01-125

QUESTION:

Mobile Generation

Please provide the following information concerning mobile generation facilities in your possession:

a. The total capacity, in MWs, of mobile generation facilities leased or procured before July 8, 2024;

b. The rationale for leasing or procuring that capacity; and

c. And how mobility and capacity were prioritized when leasing or procuring mobile generation facilities.

ANSWER:

a. As of July 7, 2024, CenterPoint Houston had procured a total of approximately 510MW of TEEEF capacity. This includes fifteen (15) approximately 32MW units, five (5) approximately 5MW units, two (2) approximately 1MW units, two (2) approximately 500kW units and four (4) approximately 400kW units. Actual capacity is dependent on the fuel used and ambient temperature.

b. Given CenterPoint Houston's experience in Winter Storm Uri, the Commission's 12-hour outage rotation order, and to support the provision of continuous and adequate service under Section 37.151 of PURA, fifteen (15) approximately 32MW units and five (5) approximately 5MW units were originally procured primarily to provide temporary service to customers during load shed events similar to Winter Storm Uri to lessen the overall outage duration to customers by enabling load rotation. This capacity allows CenterPoint Houston to enable load rotation in a predictable manner for a Winter Storm Uri type load shed and to meet the 12-hour requirement set forth by PUC in Project #51812. Five (5) approximately 5MW units were also intended to be used for temporary restoration of service following widespread outages. The smaller fleet of 1MW and 500kW units was procured after legislative changes adopted in HB 1500 (88th Legislative Session) expanded the criteria for use of TEEEF.

c. As the primary use case of fifteen (15) approximately 32MW units was for load shed support, mobility was not the highest priority criteria used to evaluate. These units are pre-staged at 12.47kW substations spread across CenterPoint Houston's territory to make the available quickly for potential load shed events. While mobility was not the highest priority, CenterPoint Houston still preferred these units to be trailer mounted and mobile to allow redeployment to other substations or circuit locations if a non-load shed event resulted in outages that last several days or weeks. Using larger 32MW units also allowed CenterPoint Houston to limit the number of locations and the number of units that need to be energized making the deployement for load shed faster with larger units compared to use of smaller units. Mobility was among the top priority for the 5MW units as these were also intended to be used for load restoration. The legislative requirement at the time required a minimum outage duration of 8 hours for TEEEF deployment. As the TEEEF deployment criteria was expanded in 2023 through HB1500, CenterPoint Houston applied the lessons learned from previous load restoration deployments and procured smaller 1MW and 500kW units for faster deployment. The additional four (4) approximately 400kW units were leased right before Hurricane Beryl landfall to allow faster deployment to additional locations. Since CenterPoint Houston made 13 TEEEF deployments following Derecho in May 2024, Hurricane Beryl was expected to result in more longer duration outages prompting need for additional TEEEF units.