

**LODI CITY COUNCIL
SHIRTSLEEVE SESSION
CARNEGIE FORUM, 305 WEST PINE STREET
TUESDAY, OCTOBER 29, 2013**

A. Roll Call by City Clerk

An Informal Informational Meeting ("Shirtsleeve" Session) of the Lodi City Council was held Tuesday, October 29, 2013, commencing at 7:00 a.m.

Present: Council Member Hansen, Council Member Johnson, Council Member Mounce, and Mayor Nakanishi

Absent: Mayor Pro Tempore Katzakian

Also Present: City Manager Bartlam, City Attorney Schwabauer, and City Clerk Johl-Olson

B. Topic(s)

B-1 Lodi Electric Utility Module Report (EU)

Electric Utility Director Elizabeth Kirkley provided a PowerPoint presentation regarding Lodi Electric Utility modules ("green boxes"). Specific topics of discussion included regulations, safety, vault versus module access, reliability, maintenance programs, customer requirements, utility practices, communication protocols, before and after photographs, modules and other boxes, transformer and module, Lakeshore Drive, and equipment blockages.

In response to Council Member Mounce, Construction and Maintenance Supervisor Barry Fisher stated blow ups such as seen in the demonstration in the presentation happen with overhead transformers about three to four times a year and there are less violent flashes underground. Mr. Fisher stated the demonstration involved a lower voltage than what the City has and provided a brief overview of the protections taken against such incidents.

In response to Mayor Nakanishi, Ms. Kirkley stated the primary reasons for bringing the green boxes above ground is for safety and reliability purposes.

In response to Council Member Hansen, Ms. Kirkley stated the difference between patrolling and inspecting is that patrolling involves a quick visual look of equipment whereas an inspection is a more detailed review.

In response to Council Member Johnson, Ms. Kirkley stated the requirement to have boxes comes from the Public Utility Commission (PUC) and its general order.

In response to Council Member Hansen, Ms. Kirkley stated currently burned out street lights are reported by citizens and there is no night program to monitor the same.

In response to Council Member Mounce, Ms. Kirkley stated the lighter green areas shown on the map is the current focus of bringing certain boxes above ground. Ms. Kirkley provided an overview of what boxes will be coming above ground versus staying below ground.

In response to Mayor Nakanishi, City Manager Bartlam stated there is no requirement to bring the boxes above ground but the City is doing so for safety and reliability purposes.

In response to Council Member Mounce, Mr. Fisher provided an overview of challenges with previous construction from 30 years ago and the resulting rust in the underground utility connections as a result of water collection.

In response to Council Member Mounce, Ms. Kirkley stated the result of hitting utility boxes with cars would be similar to hitting an electric utility pole and there are mechanisms in place to de-energize the lines. Ms. Kirkley also provided an overview of the new set up of boxes at the Lakeshore address.

In response to Council Member Hansen, Ms. Kirkley stated the full project will take several years to complete. A brief discussion ensued between Council Member Hansen and Ms. Kirkley regarding the ability to conceal and screen boxes from the front of the home for visual preference.

In response to Mayor Nakanishi, Ms. Kirkley stated the time to fix an underground box takes longer to fix than an above ground box and the neighborhood may be affected.

Myrna Wetzel spoke in support of painting the boxes to make them more aesthetically pleasing.

Dave Bertocchini, resident of Lakeshore Drive, spoke in regard to his concerns about the lack of property owner contact when placing the above ground box and the subsequent discussion regarding placing the box back below the ground. He also spoke in regard to insufficient landscaping, lack of due process, and complaints in other areas across the country regarding the placement of above ground electric boxes and remedies.

In response to Mayor Nakanishi, Ms. Kirkley stated currently 12 out of 30 properties have two utility boxes and it is estimated that 50 to 60 properties out of 200 will have two utility boxes by project completion.

A brief discussion ensued amongst the City Council regarding bringing back an item for full City Council consideration and action on the subject matter of limiting the number of utility boxes on a single property parcel. General direction was provided regarding the same.

C. Comments by Public on Non-Agenda Items

None.

D. Adjournment

No action was taken by the City Council. The meeting was adjourned at 8:00 a.m.

ATTEST:

Randi Johl-Olson
City Clerk



**CITY OF LODI
COUNCIL COMMUNICATION**

AGENDA TITLE: Lodi Electric Utility Module Report

MEETING DATE: October 29, 2013

PREPARED BY: Electric Utility Director

RECOMMENDED ACTION: Receive Lodi Electric Utility module report.

BACKGROUND INFORMATION: Lodi Electric Utility (LEU) is dedicated to supplying the community with safe, reliable electric service at the lowest possible rates. LEU staff strives to do this while accommodating individual customer concerns without sacrificing the best interests of all its ratepayers/customer-owners.

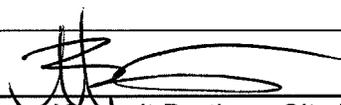
This report will provide the City Council with current electric utility industry requirements as mandated by federal, state and local regulations; current standards and practices to ensure safe, reliable delivery of electricity; LEU's 12 kV Maintenance Programs; LEU vs. customer requirements; other electric utility practices; LEU communication protocols; and several supporting photographs.

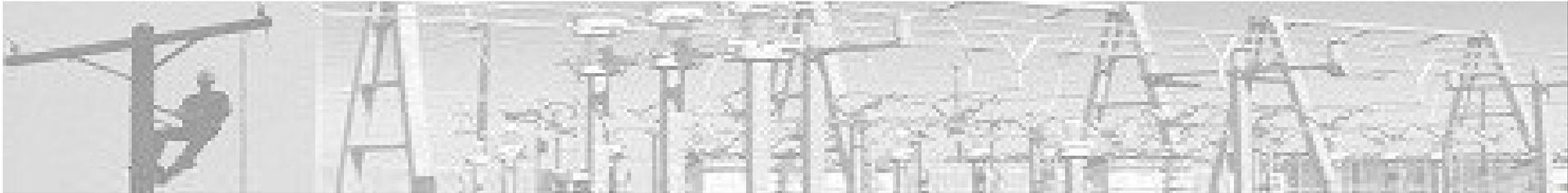
FISCAL IMPACT: Not applicable.

FUNDING AVAILABLE: Not applicable.


Elizabeth Kirkley
Electric Utility Director

EK/lst

APPROVED: 
Konradt Bartlam, City Manager



City Council Shirtsleeve Session

October 29, 2013

LEU Modules (aka “Green Boxes”)

City of Lodi Electric Utility

Your Community Owned Utility Since 1910



Lodi Electric Utility Modules

- Regulations
- Safety
- Reliability
- LEU 12 kV Maintenance Programs
- LEU vs. Customer Requirements
- Other Electric Utility Practices
- LEU Communication Protocols
- Photos



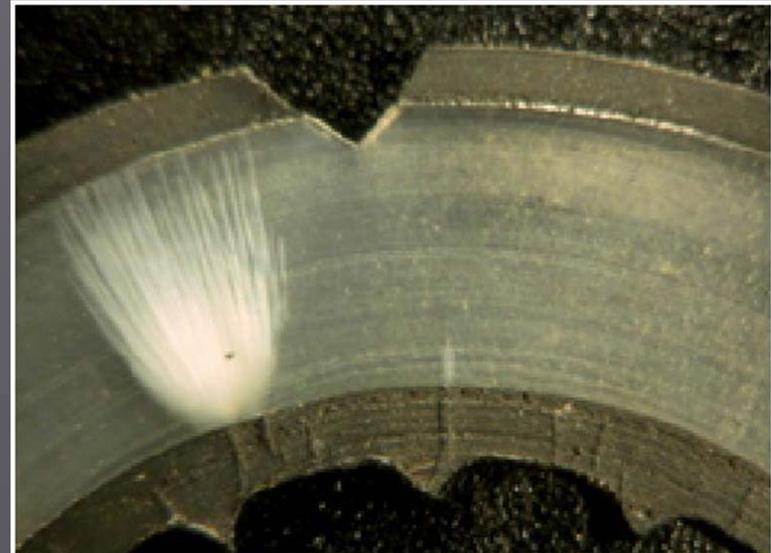
Regulations

- California Public Utilities Commission (CPUC) General Orders
 - Overhead: GO 95
 - Underground: GO 128
 - Inspections: GO 165
 - Emergencies / Disasters: GO 166
 - Substations: GO 174

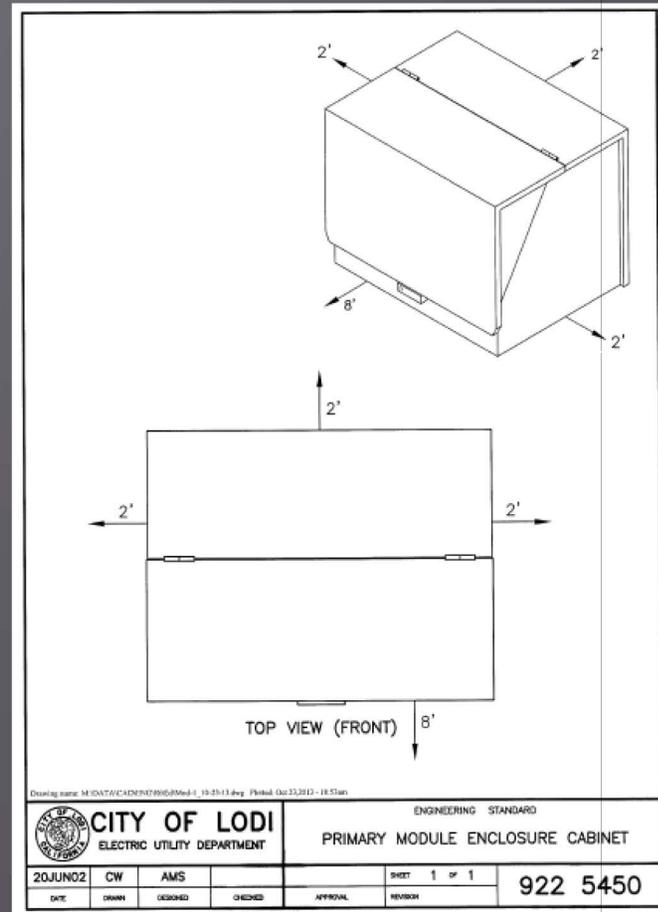
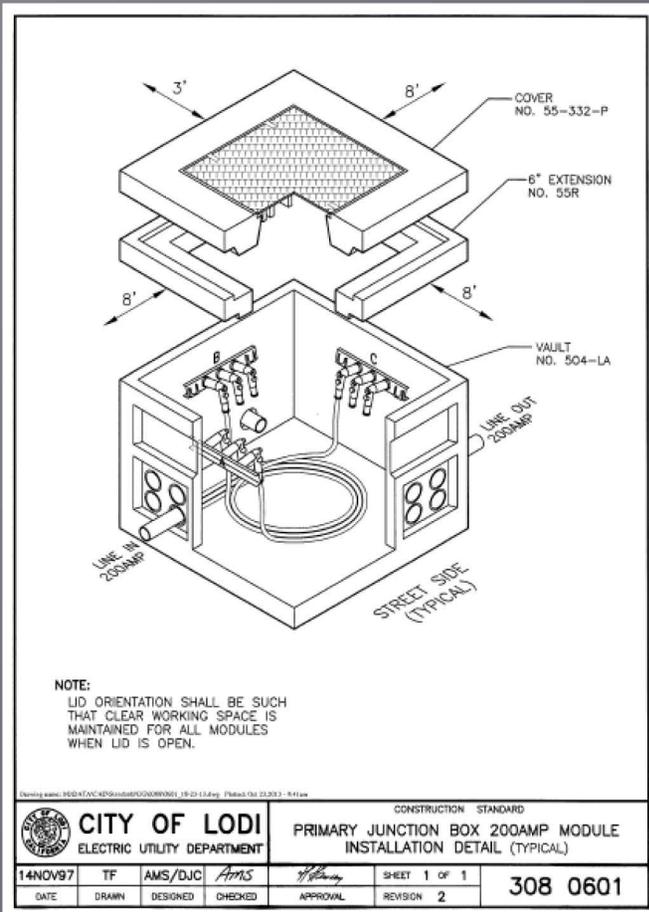


Safety

- Underground vaults submersed in liquid
 - Insulation breakdown
 - Treeing effect
- Clear working space
 - Vaults
 - 8' three sides (3' hinge)
 - Modules
 - 8' one side (2' sides & back)
 - Arc flash hazard
 - <http://www.youtube.com/watch?v=-iCIXrd50Z8>



Vault vs. Module Access



Your Community Owned Utility Since 1910



Reliability

- American Public Power Association RP₃ recommendation system betterment
 - Mitigates outages
 - Faster outage restoration
- Other option: overhead construction



Your Community Owned Utility Since 1910

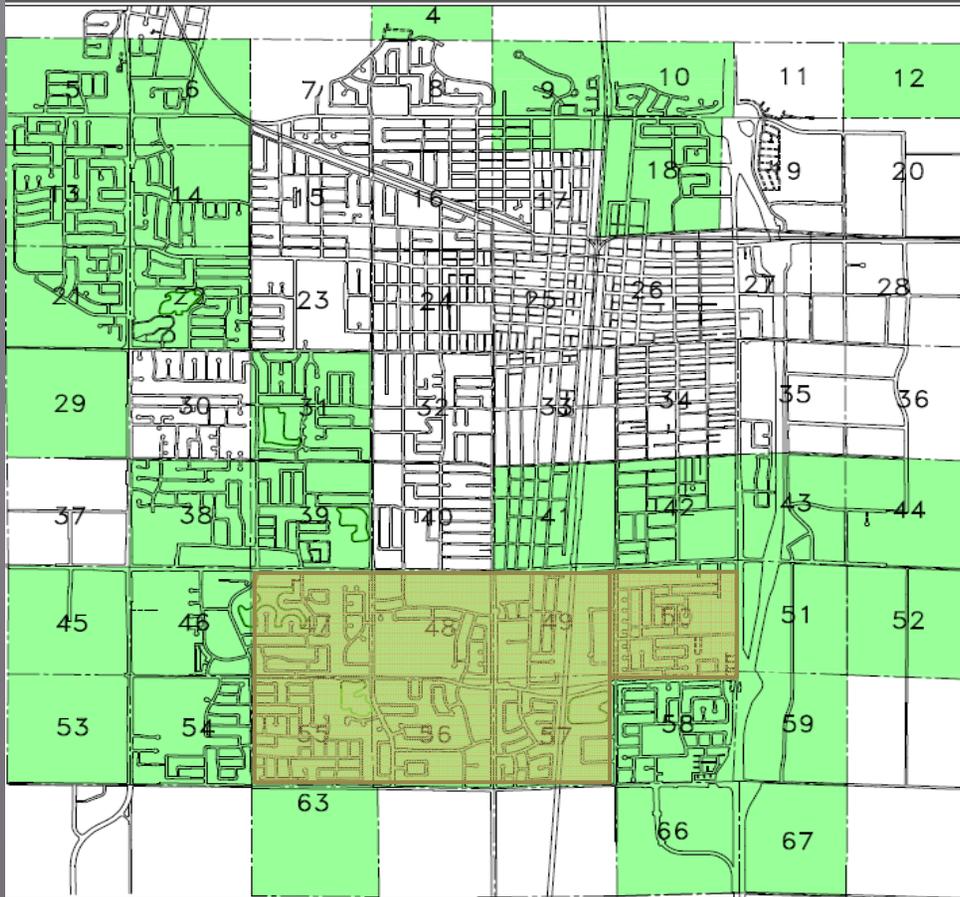


LEU 12 kV Maintenance Programs

- Began FY 2011-2012
- Patrols – 100% annually
- Inspections – 20% every year
- Replacements / Upgrades – as needed
- Overhead
 - Poles, conductors, transformers, etc.
- Underground
 - Vaults, cables, transformers, etc.



LEU 12 kV UG Maintenance



- Vaults → Modules
 - Grid-by-grid
 - As needed outages
 - To date: 30
 - 12 → 2 / parcel
 - Remaining: ~200
 - ~50-60 → 2 / parcel

LEU vs. Customer Requirements

Utility Requirements

- Safety
- Reliability
- Compliance
 - Federal
 - State
- Most economical
- Communicate
 - City Council
 - Customer-owners

Customer Requirements

- Permit application
 - New electric service
 - Upgrade electric service
- Protect own equipment

WARNING
Hazardous voltage.
KEEP OUT!
Can shock, burn or cause death.
If found damaged, open or unlocked call:
City of Lodi Electric Utility Dept.
(209)-333-6767

WARNING
Underground power cables
are located in this area.
Before digging call:
City of Lodi Electric Utility Dept.
(209) 333-6767
Can shock, burn or cause death.

NOTICE
We need room to work safely on this
device. Please keep shrubs and
structures 8 feet away from the side
with doors and 2 feet from other sides.
Obstructions may be damaged or
removed during service
restoration or maintenance.

NON-PCB

Other Electric Utility Practices

- ⦿ Upgrading to above ground modules
 - Alameda
 - Roseville
 - Santa Clara
 - SMUD
 - Ukiah
- ⦿ None have received customer complaints

LEU Communication Protocols



**Your Electric
Utility Service**

**SORRY WE MISSED YOU!
TODAY'S DATE _____**

We want to inform you that:

- Your electric power will be off:

Date: _____

From: _____ To: _____

- Your electric power was turned off:

From: _____ To: _____

in order for us to perform our work.

- We will be replacing the utility pole on:

Date: _____

From: _____ To: _____

- We will be replacing the transformer on:

Date: _____

Time: _____

If you have any questions, please call

368-5735

CITY OF LODI
ELECTRIC UTILITY DEPARTMENT

EUD-001 (REV. 10/96)

**Su Servicio
de Electricidad**

**LAMENTAMOS NO
HABERLO ENCONTRADO!
FECHA _____**

Queremos informarle que:

- Su servicio electrico será interrumpido:

Fecha: _____

Desde: _____ Hasta: _____

- Su servicio electrico ha sido interrumpido:

Desde: _____ Hasta: _____

para poder hacer reparaciones
electricas necesarias en el area.

- Reemplazaremos el poste electrico:

Fecha: _____

Desde: _____ Hasta: _____

- Reemplazaremos el transformador:

Fecha: _____

Hora: _____

Si Tiene preguntas por favor llame al telefono:

368-5735

Departamento de Servicio Electrico de la
ciudad de Lodi

EUD-001 (REV. 10/96)

- Non-emergency work
- 24-48 hours notice
- Planned outage
- Repair existing equipment
- Verbal contact
 - Working on their property
- LEU Door Hanger



LEU Communication Protocols

Print double sided on bright-colored card stock



City of Lodi

Notice of Construction
(Español en el otro lado)

Project Name _____

Description of work to be performed: _____

Date of Construction: _____

How this work affects you:

- On Street Parking
- Traffic Access
- Sidewalk Access
- Water Service Interruption
- Sewer Service Interruption
- Electric Service Interruption
- Other _____

Additional Information: _____

Contractor Contact: _____

Contractor's Name: _____

Job Superintendent's Name: _____

Phone Number: _____

Email: _____

City Contact: _____

Name: _____

Department: _____

Phone Number: _____

Email: _____

We appreciate your cooperation and understanding while we work to improve your community or neighborhood.



City of Lodi

Aviso de Construcción
(English on back)

Nombre del Proyecto _____

Descripción de trabajo realizado: _____

Fecha de Construcción: _____

¿Como le afecta este trabajo?:

- Estacionamiento en Calle
- Acceso de Tráfico
- Acceso al Acera
- Interrupción de Servicio Agua
- Interrupción de Servicio Alcantarilla
- Interrupción de Servicio Eléctrico
- Otro _____

Más Información: _____

Información de Contacto- Contratista: _____

Nombre del Contratista: _____

Nombre del Superintendente: _____

Número de telefono: _____

Correo Electrónico: _____

Información de Contacto de la Ciudad: _____

Nombre: _____

Departamento: _____

Número de telefono: _____

Correo Electrónico: _____

Le agradecemos su cooperación y comprensión mientras trabajamos para mejorar su comunidad o vecindario.

- City-wide 3rd Party Contractor door hanger
- Directional boring contractor's use
- Business Development Manager for large projects



Before & After Photos

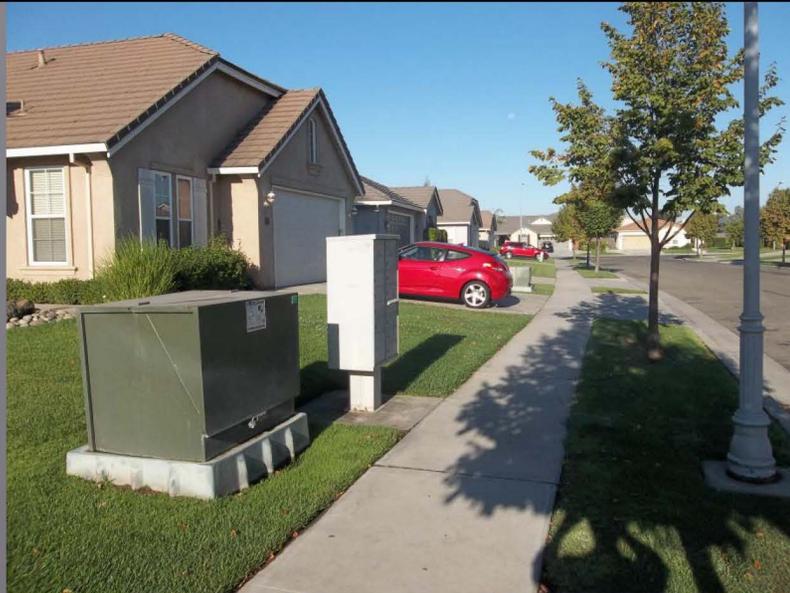


Equipment submersed in water vs. safe & accessible in module

Your Community Owned Utility Since 1910



Modules and Other “Boxes”



Your Community Owned Utility Since 1910



Transformer and Module



Transformer and Module
1609 Barkley Lane
Grid 39



Transformer and Module
1851 Chablis Drive Grid 47



Grid 39
Transformer and Module
1614 Bird Lane



Transformer and Module
2215 Heavenly Way Grid 54

Your Community Owned Utility Since 1910



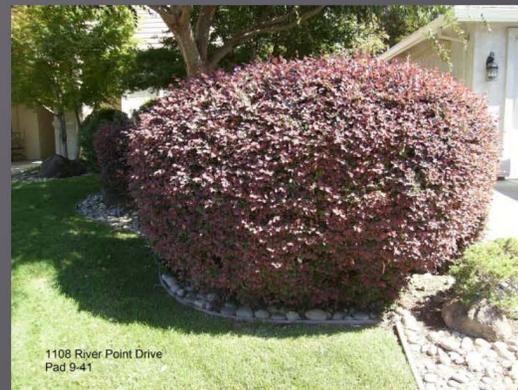
1749 Lakeshore Drive



Your Community Owned Utility Since 1910



LEU Equipment Blocked



Your Community Owned Utility Since 1910



LEU Equipment Blocked



Vault 50-135 under lean
1614 Blackbird Place



Secondary service box
1620 Blackbird Place



2220 Stirling Way
J-Box 58-57
Pic in grid 55



LEU Modules (aka “Green Boxes”)



Your Community Owned Utility Since 1910

