



ADOPTED OPERATING BUDGET &  
CAPITAL PROGRAM  
Fiscal Year 2021-22



*...securing the future*





***Lubbock Power & Light***  
*The power is yours.*

**FY 2021-22**  
**Adopted Operating Budget & Capital Program**



**Lubbock Power & Light**  
*The power is yours.*

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## **FY 2021-22 Adopted Operating Budget & Capital Program**

Elected, Appointed and Principal Officials/Key Finance Staff

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### **City Council**

Daniel M. Pope	Mayor
Steve Massengale	Mayor Pro Tem – District 4
Juan A. Chadis	Council Member – District 1
Shelia Patterson Harris	Council Member – District 2
Jeff Griffith	Council Member – District 3
Randy Christian	Council Member – District 5
Latrelle Joy	Council Member – District 6

### **Electric Utility Board**

Daniel L. Odom	Chair
Kevin McMahon	Vice Chair
Gwen Stafford	Secretary
Don Boatman	Board Member
Edwin E. “Butch” Davis	Board Member
Solomon Fields	Board Member
Jane U. Henry	Board Member
Eddie Schulz	Board Member
Greg Taylor	Board Member
Daniel M. Pope	Ex-Officio Member

### **Principal Officials and Financial Management**

David McCalla	Director of Electric Utilities
Jenny Smith	General Counsel – LP&L
Andy Burcham	Assistant Director of Electric Utilities/CFO
Blair McGinnis	Chief Operating Officer
Joe Jimenez	Financial Planning and Analysis Manager
Ranu Manik, CPA	Financial Services Manager
Matthew Rose	Government Relations and Public Affairs



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## FY 2021-22 Adopted Operating Budget & Capital Program

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# Lubbock Power & Light Overview

## Mission and Purpose

Provide citizens with safe, reliable, and high quality electric service at the most affordable rates while being financially self-sustaining. Lubbock Power & Light (LP&L) provides the following services:

- Operation and maintenance of the generation, transmission, and distribution facilities of the LP&L system.
- Delivery of energy through transmission and distribution lines and substations to our customers.
- Metering, billing, collections, and customer service for LP&L, Water/Wastewater, Solid Waste, and Storm Water customer accounts (City of Lubbock Utilities).

## Goals and Objectives

- Four nines uptime – Setting a measurable standard of excellence for reliability; power is up 99.99 percent of the time
- Consistently low rates and efficiency – Operating an effective utility with low rates and supporting customers by helping them save
- Friends and neighbors resolution – Customer service interactions are simple, efficient and solved in one phone call; no transfer or customer follow-up calls needed
- Public stakeholder engagement – Leadership presence in the community engaging with influencers and visionaries interested in Lubbock's future
- Long-term financial sustainability and strong credit ratings
- First-class service to our customers while operating with the highest code of ethics
- Safe environment for all employees and customers

## Accomplishments for Fiscal Year (FY) 2020-21

- Completed the LP&L integration with ERCOT on May 30, 2021. Beginning on that date, LP&L became owner and operator of three 345 kilovolt (kV) transmission lines, totaling 69 miles in length. Additionally, the assets associated with the integration include 81 miles of 115kV transmission lines; 20 miles of 69kV transmission lines; two 345/115kV switching stations (Dunbar and Posey); one 345/115kV substation (Yellow House Canyon); one 115/69kV switching station (Holly); three 115/69kV substations (McKenzie, Vicksburg, and Co-op); nine 115kV substations (Thompson, Chalker, Oliver, Southeast, Slaton, Wadsworth, Northeast, Northwest, and McDonald); and four 69kV substations (Erskine, Brandon, Red Raider, and McCullough).
- Agreed to the early termination of the Partial Requirements (PR) Agreement: In anticipation of the full integration to the Electric Reliability Council of Texas (ERCOT), LP&L and Southwestern Public Service Co. (SPS) approved a Settlement Agreement

on May 27, 2021 to terminate the PR Agreement, and identified May 31, 2023 as the estimated date of the full ERCOT integration and resulting early termination of the PR Agreement.

- Completed and/or closed six capital projects, totaling \$10.23 million, which consisted of the following:
  - Street Light Audit - \$0.25 million
  - Downtown Redevelopment Underground - \$4.85 million
  - Call Center Interactive Voice Response (IVR) System - \$0.62 million
  - FY 2019-20 Vehicles and Equipment - \$2.64 million
  - Broadway Tunnel Lighting and Control Box Upgrades - \$0.11 million
  - Cooke Station Gas Turbine #2 (GT-2) Repairs - \$1.77 million
- Continued to upgrade the Outage Management System (OMS) to streamline the mapping process, allowing an interface to the Geographic Information System (GIS) which provides more timely and efficient updates to the switching and public outage maps.
- Continued to update compliance strategy/programs for North American Electric Reliability Corporation (NERC) Critical Infrastructure Protection mandates.
- Received NERC and Texas RE certification as a Transmission Operator.
- Created a cyber-security training program that meets NERC Critical Infrastructure Protection standards and is more specialized by job description and business need.
- Implemented and maintained 12 additional Inter-Control Center Communications Protocol links required by NERC Transmission Operations (TOP) standards, including redundancy within the Primary Control Center.
- Programmed and commissioned 15 substations throughout the year as part of the voltage conversion project.
- Facilitated internal vendor safety training for employees in First Aid/CPR, automated external defibrillator, hazardous chemical operations and loss control management.
- Directed high financial risk vendor activities in waste management, restoration, ground water remediation, waste disposal, spill response planning, training qualification verification, and pipeline safety operations.
- Responded to 15,054 work orders, of which 1,628 were outage orders, in the Service Department.
- Developed a data monitoring dashboard using Power Business Intelligence (BI), enabling the GIS department to better identify and correct data issues.

# Lubbock Power & Light Overview

- Expanded the ArcFM Web user group to 90 members which allows the LP&L GIS data to be available to more non-GIS users.
- Identified and corrected kilovolt amperes (KVA) values on over 300 transformer features.
- Completed a major rebuild of the Coop and Northeast Substations, and commissioned several new relay panels at the Wadsworth and Southeast substations.
- Completed the conversion from 69kV to 115kV ahead of schedule, with no negative impact to LP&L customers.
- Installed Automatic Under-Frequency Load Shedding on 22 different 15kV distribution circuits in order to meet regulatory compliance.
- Completed 2,539 streetlight orders in Distribution Customer Service.
- Issued 196 work orders within the Construction Group; responded to 127 requests for engineering support; received 29 new commercial projects; received 14 new residential subdivision projects within the service territory; received 46 new residential subdivision projects outside the service territory; and received two new apartment complex projects.
- Established standards for the Small Cell Wireless Antenna Program.
- Completed Phase I of underground construction for the downtown alley conversion.
- Completed the light-emitting diode (LED) smart grid thoroughfare street light pilot project.
- Completed the Broadway Tunnel Lighting project.
- Completed the Milwaukee Avenue Feeder rebuild.
- Completed two distribution feeder circuit extensions from Red Raider Substation and four distribution feeder re-conductor projects.
- Received and stocked 3,250 demand and non-demand meters in the Meter Shop; tested 1,498 single and three phase watt-hour meters; programmed 1,011 watt-hour meters; completed 54 tampering reports; completed 48 new transformer rated meter installs; set 354 transformer rated meters at current customer sites; completed 97 field service jobs; completed 310 site checks; tested 1,207 pairs of rubber gloves along with 158 pairs of rubber sleeves; and tested and installed 184 Advanced Metering Infrastructure (AMI) meters.
- Went live with the new Customer Information System (CIS) and Mobile Workforce Management System (MWFM).
- Completed the installations of over 107,000 residential and commercial AMI meters as part of the AMI implementation project.
- Reclassified Field Service Workers and Meter Readers to the new position of Utility Meter Technician.

- Maintained a stable 24/7 operations center throughout the pandemic.
- Transitioned the Collections Department from an all paper system to an automated platform with the implementation of Oracle Field Service (OFS).
- Increased paperless billing by 24 percent.
- Sent 19,000 text communications monthly; experienced an average monthly web traffic of 94,000 site visits; and provided access to information to over 240,000 web subscribers.

## Objectives for FY 2021-22

- Continue regulatory efforts to integrate the remaining customer load from the Southwest Power Pool (SPP) to ERCOT, with an expected integration date of June 1, 2023.
- Continue efforts to opt-in to the retail choice competitive market in ERCOT with activities to include: (1) the buildout and reconfiguration of the distribution system to facilitate the ultimate move of customers connected to the legacy SPP system to the ERCOT system and (2) implement a Market Transaction Management (MTM) system to provide customer billing and metering information from LP&L's Meter Data Management (MDM) and billing systems to Retail Electric Providers (REPs) in ERCOT.
- Develop process for selecting a Provider of Last Resort (POLR) and negotiate an agreement with selected entity.
- Identify REPs that wish to offer service in Lubbock and negotiate agreements with each.
- Develop customer education plan for transition to the retail market.
- Evaluate LP&L generation for continued service after FY 2022-23 and develop plans for sale, decommissioning, or continued service.
- File Interim Transmission Cost of Service (TCOS) filings to further recover costs/return on facilities transferred from Oncor to LP&L, including any trailing costs from the integration.
- Begin to apply updated and increased wholesale transmission rates in ERCOT and apply the hold harmless credit rider.
- Complete a depreciation study using FY 2020-21 audited financials. This information will be used in the upcoming full TCOS rate filing at the Public Utility Commission (PUC).
- Expand and modify the LP&L accounting system to integrate Federal Energy Regulatory Commission (FERC) codes to the existing chart of accounts for LP&L expenses.
- Interface the Emergency Management System (EMS) Department with the new CIS system which will allow order and information exchange and provide real time updates between departments.

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- Increase the amount of proactive and preventative overhead line maintenance to continue the reduction of outages.
- Continue to verify and update the LP&L GIS data, integrate the GIS system with the new CIS and new asset management system.
- Begin construction on the following projects: Downtown Alley Conversion Phase II, East Broadway Series Street Light Conversion, and City wide LED Conversion Phase I.
- Continue to complete distribution feeder re-conductor projects for 100% customer integration into ERCOT.
- Complete engineering and begin procurement and construction on substation expansion projects to support 100% customer integration into ERCOT.
- Continue routine testing of meters and metering equipment for accuracy in order to provide customers with correct energy charges.
- Continue to investigate Radio Frequency Interference complaints received from Ham Operators and radio stations.
- Continue to provide meter tampering reports to the City of Lubbock Utilities in order to charge proper energy consumption cost on electrical meter registration where power diversion is discovered at meter locations.
- Complete the transition of all Field Service staff to the job duties associated with the position of Utility Meter Technician.
- Perform field audits for confirmation of accuracy of meter data between Field Service and the CIS.
- Utilize the newly implemented CIS to monitor payment-to-debt ratio and use statistical information to aid in developing processes for collecting aged and outstanding debt.
- Implement a more formalized new employee and continuing education training program available to all shifts within the Collections Department.
- Stay informed of all software developments affecting the City of Lubbock field crews.
- Strive to meet 90% service level in the Call Center.
- Increase paperless billing to 30 percent of City of Lubbock Utilities' customers.
- Implement Phase II of the Smart Grid Program, including making AMI power quality features available to operations and engineering in near real time.
- Complete a Cost of Service rate study update necessary to develop a Transmission Distribution Service Provider rate, including stranded cost assessment, for billing REPs upon entry into the Retail Market
- Modify tariff to convert the franchise fee equivalent (FFE) payment and payment in-lieu of taxes to an energy usage-based formula

- Begin research into selecting REPs to serve City of Lubbock and LP&L retail loads

## Funding Sources Overview

LP&L is pleased to present a budget that aligns with the previous year's forecast and does not recommend a base rate adjustment for FY 2021-22.

Overall, budgeted revenues decrease \$13.81 million, or 4.3 percent, for FY 2021-22 and include the following changes:

- Interest earnings increase \$0.12 million, or 15.9 percent based on higher yields in the pooled investment portfolio, mainly as a result of anticipated Federal Reserve Bank increases to short-term interest rates.
- Uncollectable Metered Revenues increase \$0.05 million, or 3.5 percent, and are an offset to metered revenues, and based on collections history.
- General consumers' metered revenues are relatively flat due to no base rate increase recommendation for FY 2021-22.
- Power Cost Recovery Factor (PCRF): PCRF revenues increase \$1.37 million, or 0.7 percent, mainly due to a \$10.46 million estimated increase in transmission costs related to the one year lag of transmission costs in SPP; an increase of \$3.98 million in estimated energy costs; offset by a decrease in capacity costs, totaling \$13.91 million.
- FFE revenues decrease \$1.24 million, or 9.0 percent, due to the revenue recognition for a hold harmless payment to SPS that was paid out in FY 2020-21.
- TCOS revenues increase \$19.76 million due to the fact that TCOS revenues in FY 2020-21 only included four months of revenues. FY 2021-22 includes projected revenues for the entire fiscal year. The first four months will include revenues that, if annualized, would total \$15.9 million. The remaining eight months of FY 2021-22 include projected revenues that, if annualized, would total \$43.5 million. The TCOS numbers are anticipated to increase in February 2022 if the September 2021 interim filing is approved by the PUC prior to that time. The September 2021 interim filing will include the majority of ERCOT integration-related transmission and distribution assets. After the February 2022 change, future TCOS revenues will grow in line with overall system load growth. Final TCOS revenues are subject to PUC approval and could be higher or lower than the forecast.
- SPS Hold Harmless Reserve Revenue Recognition decreased \$24 million for FY 2021-22, due to the one-time reserve that was utilized in the prior year to make the one-time SPS Hold Harmless Payment.
- ERCOT Hold Harmless payment totals \$14.67 million, and is an offset to TCOS revenues. In PUC Docket No 47576, the order approving LP&L's initial

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integration into ERCOT, the PUC ordered LP&L to pay \$22 million each year for the first five years, which will be credited to ERCOT wholesale transmission customers to mitigate integration costs. This amount is shown as an offset to the TCOS revenues in the model. The payments are anticipated to begin in February 2022 (paid for each of the last eight months of FY 2021-22) and will continue monthly until January 2027.

- Outside work order revenues increase \$0.18 million, or 20.4 percent, mainly due a proposed 20% rate increase in the utility recovery fees for commercial and residential developments. This line item also includes increases in service work order requests for new service, street lights, pole sets, and other distribution-related services.
- Transfer from the debt service fund represents the utilization of restricted bond proceeds to fund the final capitalized interest payment on the 2018 Series Revenue Bonds. This transfer decreased \$1.55 million, or 50.0 percent, due to this being the final year of the capitalized interest payment.
- Transfer from other funds decreases \$1.03 million, or 37.6 percent, due to a FY 2020-21 one-time \$1.2 million transfer from the Water fund for its portion of the Lake 7 re-route costs for the Double Mountain to Fiddlewood 345kV Line capital project. This decrease is offset slightly due to the added transfer from the water/wastewater, solid waste, and stormwater utilities, totaling \$0.02 million, for items such as vehicle purchases, continued payment into the vehicle replacement fund, planned increase in transfer for the utilities' share of the Utility Customer Service Center debt service, and slight increases in transfers related to AMI and CIS allocations. .

## Expense Overview

Budgeted expenses decrease \$9.26 million, or 2.9 percent, for FY 2021-22. The decreases are mainly due to lower SPP capacity costs, a decrease in the cash transfer to the capital program due to the use of unallocated cash, and a one-time SPS hold harmless payment and transmission system inventory purchase made in FY 2020-21. Offsetting these decreases are increased energy and transmission costs, an increase in property insurance premiums, and an increase in principal and interest payments on outstanding bonds. These changes are detailed in the following sections:

- Compensation increases \$1.78 million, or 9.9 percent, due primarily to an increase of \$0.97 million in full time pay, driven by the addition of seven full-time equivalent (FTE) positions in the Transmission Overhead Lines department, two positions in the Distribution Street Light department, one position in the Distribution Load Dispatching department, two positions in the Collections department, one position in the Customer Information Systems department,

one position in the Administration Department, and the re-class of five Supervisory Control and Data Acquisition (SCADA) operators to transmission system operators in the Distribution Load Dispatching department; an average 4 percent compensation adjustment across all departments in full-time salaries, totaling \$0.80 million; an increase of \$0.06 million in temporary pay resulting from the use of temporary employees in the Customer Service department; offset slightly by the elimination of 3 positions in the Field Services department and one position in the Conservation and Education department, and a decrease of \$0.06 million in terminal pay. The staffing changes are described in the Staffing Overview in the following section.

- Benefits increase \$0.65 million, or 8.6 percent, as a result of a ten percent increase in the employer portion of health benefits and increases in compensation mentioned above.
- Energy/fuel costs increase \$3.98 million, or 3.5 percent, due to increased natural gas prices that have contributed to higher costs of energy in the SPP Integrated Marketplace (IM) and ERCOT market. To minimize any power cost volatility in the markets, LP&L has instituted a structured energy procurement process in coordination with a third-party power marketing company (PMC). Together, LP&L and the PMC have developed a hedge program in which LP&L purchases blocks of Firm Liquidated Damages (LD) power to cover the majority of load and to manage price exposure. The remaining unhedged load is purchased in the day-ahead or real-time markets, allowing the Utility to take advantage of current market conditions. LP&L management and the PMC meet weekly, and on a daily basis if needed, to discuss market conditions to monitor any changes or potential threats that arise, with the ability to adjust the hedging strategies at any time, if necessary.
- Transmission costs increase \$10.46 million, or 24.8 percent. Transmission charges in FY 2021-22 are related to approximately 70% of load in ERCOT and 100% of load in SPP for the first eight months (due to the one-year lag from SPP where transmission payments are being made from June 1, 2021 to May 31, 2022 for the final 12 months in SPP). LP&L will make ERCOT transmission payments, totaling an estimated \$24.6 million. Transmission costs in SPP are expected to total \$27.97 million for FY 2021-22, which is a decrease of \$6.88 million from the prior year, due to only eight required monthly payments in FY 2021-22.
- Capacity costs decrease \$13.9 million, or 44.9 percent. Capacity costs in FY 2020-21 consisted of 12 months of capacity charges through the 170MW SPS contract. Capacity charges were also related to eight months of capacity charges through the 400MW SPS contract which ended on May 31, 2021 as the integration of 70 percent of LP&L's load migrated to



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ERCOT. For FY 2021-22, the only remaining capacity charges are related to the 170MW contract.

- SPS Hold Harmless Payment decreases \$24.00 million as the one-time payment to SPS occurred in the prior year when LP&L moved 70% of its customers to ERCOT.
- Maintenance costs increase \$0.10 million, or 3.7 percent, due primarily to an increase in fleet administration charges.
- Professional services/training costs decrease \$0.23 million, or 2.5 percent mainly as a result of a \$0.57 million decrease in legal costs for purchased power contract negotiations and decreased filing fees due to the elimination of consulting services related to compliance documentation associated with NERC and ERCOT. Offsetting these decreases are increases of \$0.20 million for contracted services related to ARC FM maintenance and support, emergency transmission maintenance, and annual testing and certification of ERCOT-polluted settlement (EPS) meter locations required by ERCOT. Additionally, the billing support and Kubra bank charges increase \$0.08 million and \$0.04 million respectively based on historical usage, which also contributed to the offset.
- Other Charges increase \$0.04 million, or 3.1 percent due to an increase of \$0.05 million for the Asplundh contract cost for tree maintenance; and an increase of \$0.04 million in car allowance expense due to the addition of FTE positions required to perform field work; offset by an overall decrease of \$0.04 million in computer equipment cost driven by the reallocation of ARC FM contracts to the professional services account.
- Scheduled charges increase \$0.94 million, or 15.7 percent, due primarily to large increases in property and liability insurance, totaling \$1.41 million. Claims, loss history, and the volatility of the insurance market are the main drivers for the increases. The increases in insurance are slightly offset by a decrease in data processing charges in the amount of \$0.45 million due to eliminating legacy utility billing software costs, as well as an estimated decrease in overall utilities costs, totaling \$0.02 million.
- The reimbursement from the Other City Utilities for the customer service function increased \$0.35 million, or 6.0 percent. The calculation of the reimbursement is based on a negotiated methodology agreed upon by the City and LP&L using audited numbers from FY 2019-20.
- Debt service increased \$16.28 million, or 92.0 percent, due to the increase in principal and interest payments related to the issuance of 20-and 30-year revenue bonds to fund approximately \$293.36 million in projects. The projects funded from these bonds were primarily related to the construction of transmission lines necessary for enhancing the

reliability of the LP&L system, for the integration into ERCOT, and other major system costs.

- Direct purchase revolving note program fees increased \$0.19, or 140.6 percent. The Note Program was used in FY 2019-20 and FY 2020-21 to finance the majority of LP&L's capital expenditures, on an interim basis, including the ERCOT integration transmission assets and other major system capital costs through September 30, 2021. The Note Program will be extended to provide interim financing for major capital expenditures in FY 2021-22 and FY 2022-23. The Note Program allows LP&L to (1) make draws at a short term rate of interest and (2) match cash flow/draw needs with complex construction schedules. Long-term, fixed rate bonds are expected to be issued prior to the end of FY 2022-23 to refinance the extension to the Note Program, and issue new money shortly after the integration of the remaining load into ERCOT. Note Program Fees will increase with the extension, to account for cost of issuance, undrawn (standby), and paying agent fees.
- The Indirect Cost Allocation increases \$0.15 million, or 8.8 percent primarily due to increased expenses in the city administrative cost centers. Additionally, a net of nine new FTEs are to be added in FY 2021-22, which contribute to increased allocated costs to LP&L in the categories that are allocated based on employee count.
- FFE and Payment in Lieu of Taxes (PILOT) decrease \$1.13 million and \$0.23 million respectively, or 7.9 percent, due to the revenue recognition for a hold harmless payment to SPS that was paid out in FY 2020-21 mentioned in the Revenue Overview section above.
- The transfer to electric capital decreased \$1.05 million, or 4.8 percent, due to the utilization of unallocated cash related to savings from closed cash-funded capital projects.

## Staffing Overview

The FY 2021-22 Operating Budget incorporates a net increase of ten FTE positions. The position changes are summarized as follows:

Fourteen positions are added, as follows:

- One assistant transmission operations supervisor position is added to the Distribution Load Dispatching department to assist the transmission operations supervisor in ensuring NERC, ERCOT and Texas Reliability Entity (TRE) compliance.
- Two positions, including one journey line worker and one street light maintenance worker, are added to the Distribution Street Lights department in order to adequately address workload and increase department efficiency.

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- One utility system analyst position is added to the Customer Information Systems department to ensure billing system work is completed in a timely and accurate manner.
- Two positions are added to the Collections department, including a lead utility service operator position (to ensure proper coverage of department shifts) and one collections specialist position (to backfill the loss of FTE positions during the ERCOT MTM project).
- One Director of Customer Service position is added to the Administration Department as the CFO/Assistant Director position has been split into a CFO and Director of Customer Service position.
- A total of seven positions are added to the Transmission Overhead Lines department. Three journey line workers and three apprentice line workers comprise a fully dedicated transmission crew to address new construction and provide day-to-day maintenance on transmission lines. Additionally, one transmission and distribution maintenance planner is added to assist with NERC, ERCOT, and asset management processes.

Four positions are eliminated, as follows:

- Three positions, including one lead utility meter technician and two utility meter technicians, are eliminated in the Field Services Department due to the AMI implementation.
- One unfilled Communications Generalist position is eliminated from the Conservation and Education department due to the lack of need for this position.

Additionally, 11 positions are reclassified and/or moved to a new cost center within the organization as follows:

- One equipment technician to a fleet specialist electric utility position in the Administration department.
- One production maintenance planner position in the Production Operations and Engineering department to senior power plant technician position in the Massengale Station department.
- One power plant control room operator position in the Massengale Station department to a transmission foreman position in the Transmission Overhead Lines department.
- One senior power line foreperson position to an underground distribution and transformer shop supervisor position in the Distribution Underground department.
- One senior power line foreperson position to an overhead transmission and distribution supervisor position in the Distribution Overhead department.
- Five SCADA operator positions to transmission system operators in the Distribution Load Dispatching department.
- One technical trainer to a utility systems trainer in the Customer Service department.

The net salary and benefits for the added and eliminated positions, totals \$0.88 million.

## Capital Program Overview

The FY 2021-22 Capital Program incorporates significant infrastructure that is required for system reliability and strength. The majority of the Capital Program includes specific transmission assets that were necessary prior to interconnecting with ERCOT and are now in the close-out stage. These assets include an inner 69kV transmission loop, an outer 115kV transmission loop, and 345kV integration facilities. Moving forward, in order to facilitate the integration of the remaining load into ERCOT, the capital focus from FY 2021-22 through FY 2022-23 will shift to system distribution and capacity upgrades along with minor transmission line rebuilds. The upgrades to the distribution system are estimated at \$41.28 million, which will be mostly funded with 20-year revenue bonds. With the anticipation of the remainder of customer load moving to ERCOT by May 2023, it is imperative that the distribution system upgrades be completed to allow for the integration. Each of the capital projects are categorized by FERC category/account.

Following are highlights of the program:

- The overall capital program totals \$643.26 million, which incorporates a significant amount of transmission assets. Long-term financing of these projects has been issued. The term of the bonds for the transmission assets is 30 years, based on the long life of these assets (30+ years). Additionally, all of the transmission assets will be included in an interim TCOS filing with ERCOT, resulting in a substantial increase in the TCOS revenue stream, offsetting the increased debt service costs. All other debt-funded projects will utilize 20-year financing.
- LP&L has 57 active projects with an appropriation-to-date totaling \$396.64 million.
- The adopted FY 2021-22 capital program for LP&L totals approximately \$61.30 million for the following projects:
  - Additional City of Lubbock Utilities Phone Lines - \$0.20 million
  - Cooke Facility Remodel - \$0.21 million
  - FY 2020-23 Service Distribution Meters - \$0.24 million
  - DNV-GL Cascade Upgrades - \$0.25 million
  - Operations System Upgrades - \$0.30 million
  - East Broadway Series Street Light Conversion - \$0.30 million
  - GIS Software Upgrades and Interfaces - \$0.42 million
  - FY 2020-23 Street Lights - \$0.55 million
  - Cooke GT-3 Control System Replacement - \$0.90 million.
  - Fiberoptic Communications - \$1.0 million

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- Yellowhouse Substation Capacity Upgrade - \$1.34 million
- McDonald Substation Capacity Upgrade - \$1.41 million
- Red Raider Substation Distribution Feeders - \$1.57 million
- Downtown Redevelopment - \$1.73 million
- FY 2020-23 Distribution Transformers - \$2.20 million
- FY 2020-23 Distribution System Upgrade - \$2.25 million
- FY 2020-23 Overhead Lines - \$2.42 million
- FY 2021-22 Vehicles and Equipment - \$2.63 million
- Substation Capacity Upgrade – Thompson - \$2.74 million
- FY 2020-23 Underground Distribution - \$2.97 million
- Substation Capacity Upgrade - Co-op - \$5.67 million
- Distribution System Upgrade Improvement Expansion - \$6.45 million
- ERCOT Transmission/Distribution Service Provider System - \$7.37 million.
- Substation Capacity Upgrade – Northeast - \$7.56 million
- Substation Capacity Upgrade– Vicksburg - \$8.66 million.

## Financial Model Forecast

The LP&L Financial Model Forecast projects all revenues, operating expenses, and capital expenditures for FY 2021-22 through FY 2026-27. The model considers every line-item for 27 cost centers and applies growth rates that are specific to each line-item in order to project a realistic financial portrait. The model delves into the details, but also incorporates strategic plans that impact the future of LP&L. The financial model incorporates revenues and expenses/expenditures related to the upcoming integration of the remaining load of the utility into ERCOT as well as retail choice. The model anticipates that LP&L will opt-in to the ERCOT competitive retail electric market (Opt-In) by June 1, 2023 and will not operate as a REP or POLR. Any Opt-In assumption is contingent on both governing bodies of LP&L voting to Opt-In. Other factors and assumptions incorporated into the model include:

### Funding Sources

- Base Rates: The financial model does not anticipate base rate adjustments through FY 2026-27. However, LP&L plans to undertake a comprehensive Cost of Service (COS) study in the spring of 2022, once one year of AMI meter information has been collected. Even though LP&L does not expect to increase rates overall, there may be shifts among rate classes. The COS study will compare customer class revenues to customer class revenue requirements and will indicate the degree to which existing rates recover revenues

from each customer class on a COS basis. Once completed, the COS analysis will be the basis for rate design. Generally, the rate design portion of a COS study focuses on designing rates to adequately recover the costs to serve customers and reflect the COS study results for each customer class.

- Uncollectible Metered Revenue: Write-offs typically average 0.5 percent of sales on an annual basis. This line item is a contra revenue, and is expected to occur through May 31, 2023. After that date, all metered revenues will be billed by REPs, who will pass-through our costs in the form of a Transmission & Distribution Utility (TDU) Rate. Therefore, beginning on June 1, 2023, this cost of doing business will be eliminated.
- Power Cost Recovery Factor: PCRF revenues are intended to exactly match power costs throughout the duration of the financial model.
- Franchise Fee Equivalent (FFE): Historically, the FFE charge has been computed as five percent of metered revenues. In order to minimize the financial impact of Opt-In to the City's General Fund, the FFE revenue calculation will be changed to a "cents-per-kilowatt hour" (¢/kWh) charge beginning on June 1, 2023. At this time, it is estimated that the customer charge will be slightly over 4/10<sup>th</sup> of a ¢/kWh.
- Transmission Cost of Service: TCOS revenues are anticipated to increase in February 2022 after an interim TCOS rate filing that will incorporate all of the transmission assets related to the ERCOT integration. After the February 2022 increase, future TCOS revenues will grow in line with overall system load growth.
- ERCOT Hold Harmless: In PUC Docket No 47576, the order approving LP&L's initial integration into ERCOT, the PUC ordered LP&L to pay \$22 million each year for the first five years, which will be credited to ERCOT wholesale transmission customers to mitigate integration costs. This amount is shown as an offset to the TCOS revenues in the model. The payments are anticipated to begin in February 2022 (paid for each of the last eight months of FY 2021-22) and will continue until January 2027.
- Fees and Charges: These customer charges include revenues for reconnect/disconnect fees, administrative fees, meter testing fees, duplicate statement fees, and late charges. The future year revenues will begin to decline in FY 2022-23 due to Opt-In. The future forecasted revenues will include mainly disconnect/reconnect fees and meter testing fees. The bulk of the revenues associated with late charges will be eliminated as those charges will shift to the REPs.
- Miscellaneous: This revenue category is made up of sales tax discounts and returned check fees - both of which will be eliminated with Opt-In.

# Lubbock Power & Light Overview

## Power Pass-Through Costs

- **Energy/Fuel:** The model anticipates the elimination of the majority of energy purchases after Opt-In. However, payments for the purchase of energy from a competitive wind power purchase agreement will continue. For the term of the wind power agreement (through May 31, 2032) this wind power facility will operate as a merchant unit, with expenses partially offset by revenues from the SPP IM for energy sold in the market. This line item in the financial model represents the net cost to the utility, averaging approximately \$6.2 million per year.
- **Energy/Fuel – LP&L Production:** Production costs are included in the PCRf. Beginning in FY 2023-24, costs in those cost centers will be significantly reduced as the generating units are placed in an idled status with minimal operating costs. The results of a review of the energy markets in ERCOT will ultimately determine whether or not the generating units will continue to be operated.

Prior to June 1, 2023, the production units will be used to produce power for the City in times where the ERCOT market energy prices are higher than the utility's production costs. As a result, the fuel cost to operate the production units will be netted against the revenues from the ERCOT market and will be included in the PCRf calculation.

- **Transmission:** The bulk of transmission costs have shifted to ERCOT, in relation to the initial integration. However, a portion of transmission expense from FY 2021-22 through FY 2023-24 is based on projected costs in SPP. Transmission costs in SPP are charged on a one-year lag, therefore, transmission costs are expected to rise dramatically in FY 2021-22 and FY 2023-24, to approximately \$52.57 million and \$51.68 million respectively, when lagging transmission costs are paid in SPP. After FY 2023-24, transmission costs will stabilize at an average of \$40.56 million per year.

Transmission charges in FY 2021-22 are related to approximately 70% of load in ERCOT and 100% of load in SPP through May 31, 2022 (due to the one-year lag from SPP). Transmission charges in FY 2022-23 are related to approximately 70% of load in ERCOT and approximately 30% of load in SPP. Transmission charges in FY 2023-24 are related to 100% of load in ERCOT and approximately 30% of load in SPP (due to the one-year lag from SPP related to the partial requirements contract). Transmission charges in FY 2024-25 are related to 100% of load in ERCOT, with no additional transmission charges in SPP.

- **Capacity and Early Termination of the PR Agreement:** In anticipation of the full integration to ERCOT, LP&L and SPS approved a Settlement Agreement on May 27, 2021 to terminate the PR Agreement, which provides capacity for the remaining customers in SPP. LP&L and SPS identified May 31, 2023 as the estimate of the full ERCOT integration and resulting

early termination of the PR Agreement. The impact of the early termination is the elimination of capacity charges in SPP beginning in June 2023. On an annualized basis, this represents an over \$17 million yearly savings to the utility. Being that ERCOT is an energy-only market there is no capacity requirement, and therefore no capacity costs after full integration into ERCOT, after all lagging transmission charges are paid in SPP.

## Departmental Expenses

- **Compensation/Benefits – Customer Service:** In the Opt-In environment, billing for customers in ERCOT will be performed by REPs, and meter reads (including disconnects/reconnects) will be handled remotely with AMI. These changes will affect the customer/field service departments within the utility. Costs related to these changes are expected to decline by approximately \$1.2 million once Opt-In is fully implemented.
- **Compensation/Benefits – Market Operations:** Salaries and benefits within the customer service area include future additional costs related to new capabilities needed to support the changed market environment after Opt-In. The additional capabilities will include data analytics and management; reporting to the PUC, ERCOT, and REPs; market support services; metering support (EPS meters, Electronic Service Identifier IDs, etc.); account managers for market relations; and customer protection and solutions. The costs related to these capabilities are estimated at approximately \$1.2 million per year, beginning in FY 2022-23. These new costs will largely offset the cost reductions discussed in the bullet above.
- **Compensation/Benefits – Production:** With Opt-In, and the decision to not operate as the POLR, LP&L anticipates completely exiting the power procurement and power generation business. This move greatly de-risks the operations of the enterprise and transitions LP&L to a pure TDU.
- **Compensation/Benefits – Reduction in Workforce:** With Opt-In, the decision to not operate as the POLR, and the exit of power generation, LP&L has the ability now to begin training existing employees for new roles, and has the ability to manage the majority of decreases through attrition. The goal is to manage the downsizing of these departments in a manner that has the least impact on employees.
- **Supplies / Maintenance / Other Charges / Scheduled Charges / Capital Outlay:** For the most part, these categories are estimated to grow with inflation throughout the financial model time horizon.
- **Professional Services/Training:** Professional Services costs increase throughout the financial model due to normal inflationary cost pressures in most expense categories. However, costs are also driven higher due to increased operating costs related to Customer Information Systems for the MTM System software

# Lubbock Power & Light Overview

and services, totaling roughly \$0.50 million per year beginning in FY 2022-23.

- Reimbursement – City of Lubbock Utilities: The reimbursements for the City of Lubbock Utilities operations will be studied in detail as the structure of the electric utility changes from a non-opt-in entity (NOIE) to a TDU. The future costs related to this portion of the organization, and the reimbursement from the Other City Utilities, is expected to be refined after further analysis is conducted prior to Opt-In.

## Fund Level Expenses

- Debt Service: The debt service for LP&L is anticipated to increase throughout the term of the financial model. Annual debt service increases from roughly \$33.98 million in FY 2021-22 to roughly \$40.22 million by FY 2026-27. This is driven largely by the FY 2022-23 issuance of \$77.5 million to fund the early termination of the SPS PR Agreement. Additionally, to facilitate the integration of the remaining load into ERCOT, the capital focus from FY 2021-22 through FY 2022-23 will shift to system distribution and capacity upgrades along with minor transmission line rebuilds. The upgrades to the distribution system are estimated at \$45.70 million, which will be mostly funded with 20-year revenue bonds. With the anticipation of the remainder of customer load moving to ERCOT by May 2023, it is imperative that the distribution system upgrades be completed to allow for the integration. The new TCOS revenue stream, that began in FY 2020-21, covers the increased cost of the majority of transmission, as that revenue stream eliminates the impact of those costs on LP&L customers.
- Indirect Cost Allocation: The transfer to the General Fund for indirect costs increases throughout the model in relation to projected inflation.
- PILOT: Historically, the PILOT transfer has been computed as one percent of metered revenues. In order to minimize the financial impact to the City's General Fund of Opt-In, the PILOT transfer calculation is proposed to change to a ¢/kWh beginning on June 1, 2023. At this time, it is estimated that the calculation would be less than 1/10<sup>th</sup> of a cent for the PILOT.
- FFE: After Opt-In, the FFE will convert from 5% of metered revenues to a ¢/kWh rate. Total expenses will approximate \$11.5 million per year, and will grow with overall system load growth.
- Transfer to Capital Program: Transfers to the capital program total \$124.79 million from FY 2021-22 through FY 2026-27. The percentage of projects that are cash funded is 38.8 percent over that time horizon, which exceeds the Electric Utility Board's objective of funding 35 percent of the capital program with cash and 65 percent with debt.
- Transfer to Debt Service for General Fund Capital Improvement Project (CIP): The transfer remains

fairly stable over the term of the financial model. The transfer is to reimburse the City's Debt Service Fund for LP&L's share of the Citizen's Tower and City of Lubbock Utilities' Customer Service Center.

## General Reserve Policy and Reserves

- The City Council passed an ordinance on December 16, 2004, later amended on April 10, 2012, which provides for the creation of a General Reserve which is equal to three months revenue generated from all retail electric sales. Beginning in FY 2022-23, the financial model assumes that the General Reserve policy requirement increases to four months of revenue generated from all retail electric sales beginning on June 1, 2023. This creates an additional financial buffer within the model as the utility continues to change its business model.





# Lubbock Power & Light - Financial Model

	Amended	Budget	Forecast				
FUNDING SOURCES	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Interest Earnings	\$ 776,689	900,041	796,924	758,331	706,064	686,278	824,417
Rentals and Recoveries	217,829	218,771	223,584	228,503	233,530	238,668	243,918
Sale of equipment/recycle scrap	127,603	77,936	79,650	81,403	83,194	85,024	86,894
Uncollectible Metered Revenue	(1,320,343)	(1,366,848)	(965,491)	-	-	-	-
General Consumers Metered	68,740,838	68,754,453	68,934,056	69,114,745	69,296,529	69,479,418	69,663,421
Power Cost Recovery Factor (PCRF)**	194,796,200	196,165,463	115,350,386	58,730,224	46,270,708	47,676,665	49,101,154
SPS Hold Harmless Reserve Revenue Recognition	24,000,000	-	-	-	-	-	-
Franchise Fee Equivalent Revenue**	13,736,230	12,498,381	11,673,555	11,725,770	11,739,841	11,753,928	11,768,033
Transmission Cost of Service (TCOS)	14,526,582	34,285,989	43,684,400	43,736,821	43,789,306	43,841,853	43,894,463
ERCOT Hold Harmless Payment	(7,333,333)	(14,666,667)	(22,000,000)	(22,000,000)	(22,000,000)	(22,000,000)	(7,333,333)
Fees and Charges	2,555,100	2,562,311	2,047,988	906,600	926,545	946,929	967,762
Outside Work Orders and Street Lights	865,098	1,041,170	1,249,405	1,499,285	1,532,270	1,565,980	1,600,431
Tampering Fees	52,299	53,449	55,827	58,310	60,904	63,613	65,013
Miscellaneous	183,661	170,732	174,488	-	-	-	-
Transfer from Debt Service Fund	3,103,050	1,551,525	-	-	-	-	-
Transfer from Other Funds	2,744,855	1,713,786	1,624,887	1,635,528	1,694,923	1,585,016	1,625,192
Total Revenue Sources	\$ 317,772,356	303,960,492	222,929,658	166,475,520	154,333,813	155,923,373	172,507,366
Use of General Reserve	-	3,721,532	3,389,255	7,622,896	10,140,341	6,367,048	-
TOTAL FUNDING SOURCES	\$ 317,772,356	307,682,025	226,318,913	174,098,417	164,474,154	162,290,421	172,507,366
DEPARTMENTAL EXPENSES							
Compensation*	\$ 14,927,436	16,794,337	16,991,187	17,501,066	18,026,260	18,567,230	19,124,452
Benefits*	6,450,039	7,126,199	7,316,492	7,597,131	7,889,247	8,193,336	8,509,918
Supplies Less Purchased Power & Fuel*	1,055,245	1,254,039	1,275,884	1,300,932	1,324,029	1,350,250	1,372,270
Power Pass-Through Costs:							
Energy/Fuel**	111,066,714	115,298,686	56,229,083	6,227,924	6,227,924	6,227,924	6,227,924
Energy/Fuel (LP&L Production)	10,647,507	11,342,162	9,203,354	832,472	855,013	878,214	902,052
Transmission	42,112,559	52,574,199	38,243,323	51,677,934	39,186,490	40,545,559	41,951,765
Capacity	30,961,504	17,055,032	11,658,482	-	-	-	-
SPS Hold Harmless Payment	24,000,000	-	-	-	-	-	-
Maintenance*	2,234,412	2,350,101	2,401,803	2,454,643	2,508,645	2,563,835	2,620,240
Professional/Training*	9,006,025	8,774,471	9,228,257	9,699,390	9,560,675	9,739,175	9,912,228
Other Charges*	1,316,869	1,359,745	1,389,659	1,420,232	1,451,477	1,483,410	1,516,045
Scheduled Charges*	4,199,233	4,046,208	4,135,224	4,226,199	4,319,175	4,414,197	4,511,310
Capital Outlay/Reimbursements*	26,000	22,000	22,484	22,979	23,484	24,001	24,529
Reimbursement - City of Lubbock Utilities	(5,800,763)	(6,148,191)	(6,621,409)	(6,666,908)	(7,151,716)	(7,115,125)	(7,480,652)
TOTAL DEPARTMENTAL EXPENSES	\$ 252,202,781	231,848,988	151,473,822	96,293,994	84,220,704	86,872,007	89,192,080
FUND LEVEL EXPENSES							
Debt Service - Principal	\$ 10,305,000	20,375,000	16,170,000	18,574,323	17,971,478	18,938,399	19,658,040
Debt Service - Interest	7,390,538	13,601,285	17,795,406	21,340,799	20,784,148	20,629,986	20,568,482
Capitalized Interest	3,103,050	1,551,525	-	-	-	-	-
Note Program Fees	134,519	323,628	16,482	-	-	-	-
Transmission System Inventory	1,570,016	-	-	-	-	-	-
Indirect Cost Allocation	1,742,355	1,895,328	1,937,025	1,979,640	2,023,192	2,067,702	2,113,192
Franchise Fee Equivalent - General Fund**	14,376,852	13,245,996	12,112,350	11,725,770	11,739,841	11,753,928	11,768,033
Payment In Lieu of Property Tax**	2,875,370	2,649,199	2,422,470	2,345,154	2,347,968	2,350,786	2,353,607
Transfer to Capital Program	22,023,600	20,969,731	23,170,000	20,615,000	24,160,000	18,450,000	17,425,000
Transfer to Debt Service for General Fund CIP	1,140,119	1,141,406	1,139,661	1,140,242	1,141,493	1,140,403	1,139,923
Miscellaneous	78,218	79,939	81,697	83,495	85,331	87,209	89,127
TOTAL FUND LEVEL EXPENSES	\$ 64,739,637	75,833,037	74,845,091	77,804,422	80,253,450	75,418,414	75,115,404
Final Compensation Adjustment	-	-	-	-	-	-	-
TOTAL EXPENSES	\$ 316,942,418	307,682,025	226,318,913	174,098,417	164,474,154	162,290,421	164,307,484
GENERAL RESERVE POLICY							
General Reserve Policy^	\$ 75,318,317	69,354,574	54,432,777	46,523,580	42,435,693	42,970,004	43,510,870
GENERAL RESERVE CALCULATION							
Beginning General Reserve	\$ 72,781,653	73,611,591	69,890,059	66,500,803	58,877,907	48,737,567	42,370,519
Budget Surplus/(Deficit)	829,938	(3,721,532)	(3,389,255)	(7,622,896)	(10,140,341)	(6,367,048)	8,199,882
TOTAL ESTIMATED GENERAL RESERVE	\$ 73,611,591	69,890,059	66,500,803	58,877,907	48,737,567	42,370,519	50,570,401
GENERAL RESERVE EXCESS/(DEFICIT)	(1,706,726)	535,485	12,068,027	12,354,328	6,301,874	(599,485)	7,059,531

\*Production costs are excluded from these expense categories and are included in the "Energy/Fuel - LP&L Production" line item within Power Pass-Through Costs.

\*\*Budget Amendment Proposed in July 2021 increasing Energy Costs, PCRF Revenues, FFE, and PILOT.

^Assumes increase of General Reserve Requirement from 3 months of metered revenues to 4 months of metered revenues upon entry to Retail Choice in FY 2022-23.



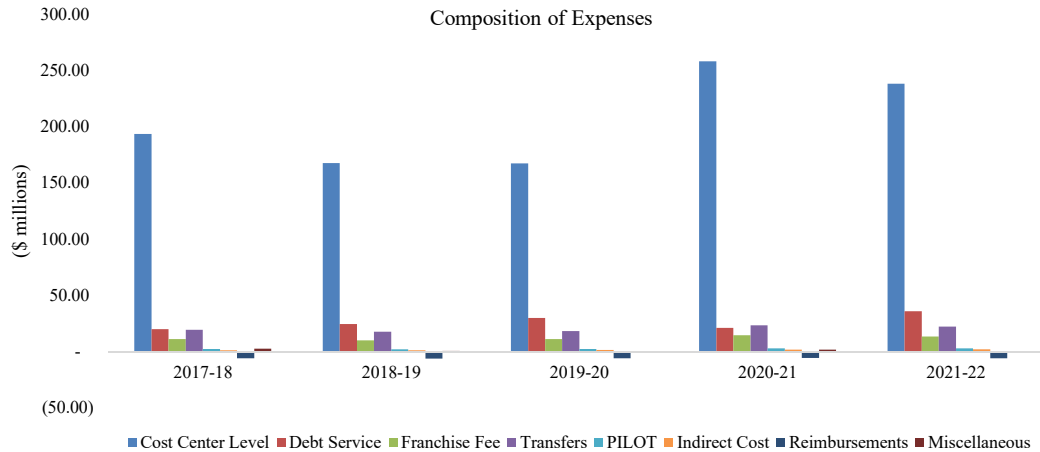
# Lubbock Power & Light - Rates

PROJECTED RATE IMPACT	Actual		Budget		Forecast*				
	FY 2020-21		FY 2021-22		FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Projected Base Rate Increase	0.00%		0.00%		0.00%	0.00%	0.00%	0.00%	0.00%
Residential Standard - Rate 1									
Service Availability	\$ 8.07		\$ 8.07		\$ 8.07	\$ 8.07	\$ 8.07	\$ 8.07	\$ 8.07
Summer Energy (per kWh)	0.03381		0.03381		0.03381	0.03381	0.03381	0.03381	0.03381
Non-Summer Energy (per kWh)	0.03381		0.03381		0.03381	0.03381	0.03381	0.03381	0.03381
Residential All Electric - Rate 3									
Service Availability	8.07		8.07		8.07	8.07	8.07	8.07	8.07
Summer Energy (per kWh)	0.02921		0.02921		0.02921	0.02921	0.02921	0.02921	0.02921
Non-Summer Energy (per kWh)	0.02921		0.02921		0.02921	0.02921	0.02921	0.02921	0.02921
Residential Net Metering - Rate 5									
Service Availability	30.43		30.43		30.43	30.43	30.43	30.43	30.43
Summer Energy ≤1,000kWh (per kWh)	0.01292		0.01292		0.01292	0.01292	0.01292	0.01292	0.01292
Summer Energy >1,000kWh (per kWh)	0.02349		0.02349		0.02349	0.02349	0.02349	0.02349	0.02349
Non-Summer Energy ≤1,000kWh(per kWh)	0.00397		0.00397		0.00397	0.00397	0.00397	0.00397	0.00397
Non-Summer Energy >1,000kWh(per kWh)	0.01175		0.01175		0.01175	0.01175	0.01175	0.01175	0.01175
Small General - Rate 10									
Service Availability	13.55		13.55		13.55	13.55	13.55	13.55	13.55
Energy (per kWh)	0.01987		0.01987		0.01987	0.01987	0.01987	0.01987	0.01987
Small General Net Metering - Rate 11									
Service Availability	28.77		28.77		28.77	28.77	28.77	28.77	28.77
Energy <1,000kWh (per kWh)	0.00076		0.00076		0.00076	0.00076	0.00076	0.00076	0.00076
Energy >1,000kWh (per kWh)	0.01878		0.01878		0.01878	0.01878	0.01878	0.01878	0.01878
Large School - Rate 15									
Service Availability	39.74		39.74		39.74	39.74	39.74	39.74	39.74
Energy (per kWh)	0.00049		0.00049		0.00049	0.00049	0.00049	0.00049	0.00049
Demand (per kW)	5.77410		5.77410		5.77410	5.77410	5.77410	5.77410	5.77410
Secondary Commercial and Net Metering- Rate 16									
Service Availability	28.56		28.56		28.56	28.56	28.56	28.56	28.56
Energy (per kWh)	0.00080		0.00080		0.00080	0.00080	0.00080	0.00080	0.00080
Summer Demand (per kW)	8.00922		8.00922		8.00922	8.00922	8.00922	8.00922	8.00922
Non-Summer Demand (per kW)	4.28400		4.28400		4.28400	4.28400	4.28400	4.28400	4.28400
Primary Commercial - Rate 16P									
Service Availability	310.44		310.44		310.44	310.44	310.44	310.44	310.44
Energy (per kWh)	0.00057		0.00057		0.00057	0.00057	0.00057	0.00057	0.00057
Demand (per kW)	5.15323		5.15323		5.15323	5.15323	5.15323	5.15323	5.15323
Large Municipal - Rate 17									
Service Availability	49.67		49.67		49.67	49.67	49.67	49.67	49.67
Energy (per kWh)	0.00066		0.00066		0.00066	0.00066	0.00066	0.00066	0.00066
Demand (per kW)	5.24014		5.24014		5.24014	5.24014	5.24014	5.24014	5.24014
Street Lighting - Rate 18									
Energy (per kWh)	0.04781		0.04781		0.04781	0.04781	0.04781	0.04781	0.04781
General Religious - Rate 19									
Service Availability	16.77		16.77		16.77	16.77	16.77	16.77	16.77
Energy (per kWh)	0.01847		0.01847		0.01847	0.01847	0.01847	0.01847	0.01847
Small Municipal & School - Rate 21									
Service Availability	12.98		12.98		12.98	12.98	12.98	12.98	12.98
Energy (per kWh)	0.01639		0.01639		0.01639	0.01639	0.01639	0.01639	0.01639

\*The financial model does not currently anticipate base rate adjustments throughout the forecast years. LP&L plans to undertake a comprehensive cost of service (COS) study after one year of AMI meter information is collected in 2022. LP&L does not expect the COS to increase rates overall, but may shift costs from one rate class to another.



# Lubbock Power & Light - Staffing



## ADMINISTRATION

	Actual	Actual	Actual	Amended	Budget	Change
STAFFING	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended
Administration	14	17	17	17	18	1
Regulatory Compliance	6	6	6	5	5	-
Legal	3	3	3	3	3	-
Conservation And Education	-	2	2	3	2	(1)
TOTAL ADMINISTRATION	23	28	28	28	28	-

## PRODUCTION

	Actual	Actual	Actual	Amended	Budget	Change
STAFFING	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended
Production Operations	7	6	6	5	5	-
Production Cooke Station	-	-	-	-	-	-
Production Brandon Station	4	4	-	-	-	-
Production Massengale Station	26	22	26	26	26	-
TOTAL PRODUCTION	37	32	32	31	31	-

## DISTRIBUTION

	Actual	Actual	Actual	Amended	Budget	Change
STAFFING	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended
Distribution Supervision & Eng.	26	7	7	7	7	-
Underground Lines	28	29	34	34	34	-
Overhead Lines	27	32	32	32	31	(1)
Distribution Load Dispatching	13	14	14	14	15	1
Distribution Customer Svc.	13	12	12	12	12	-
Geographic Information Systems	-	8	8	8	8	-
Distribution Substations	14	14	14	14	14	-
Distribution Eng. & Constr. Mgmt.	-	9	9	9	9	-
Distribution Meter Shop	6	6	6	6	6	-
Distribution Street Lights	7	8	10	10	12	2
TOTAL DISTRIBUTION	134	139	146	146	148	2

## TRANSMISSION

	Actual	Actual	Actual	Amended	Budget	Change
STAFFING	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended
Transmission Supervision & Eng.	6	8	8	8	8	-
Transmission Overhead Lines	-	-	-	1	9	8
TOTAL TRANSMISSION	6	8	8	9	17	8

## CUSTOMER SERVICE

	Actual	Actual	Actual	Amended	Budget	Change
STAFFING	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended
Field Services	16	21	29	32	29	(3)
Meter Reading	22	17	6	-	-	-
Customer Information Systems	7	9	9	9	10	1
Payment Processing	6	-	-	-	-	-
Customer Service	54	56	56	60	60	-
Collections	19	19	21	21	23	2
TOTAL CUSTOMER SERVICE	124	122	121	122	122	-
TOTAL STAFFING	324	329	335	336	346	10





# Lubbock Power & Light - Fund Overview

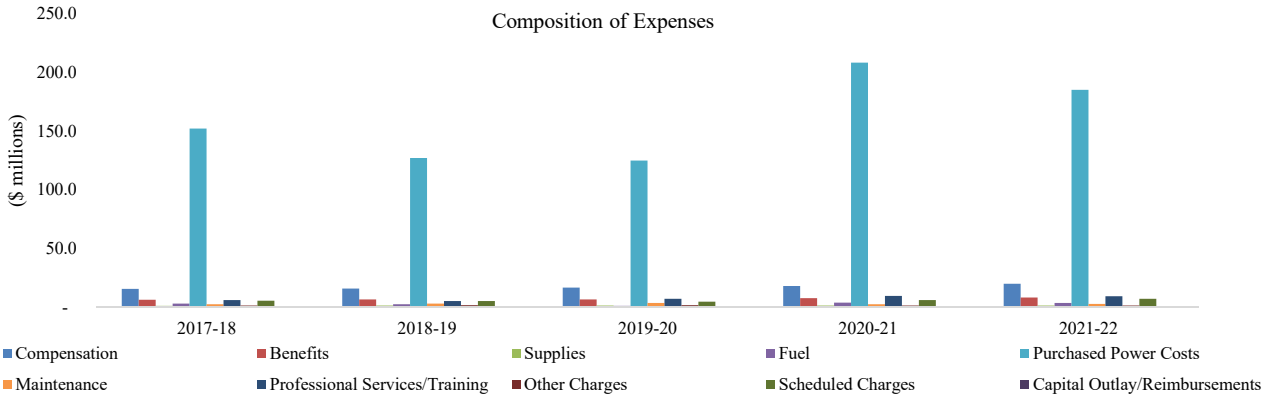
	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
FUNDING SOURCES	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Interest Earnings	\$ 1,384,251	1,700,652	1,441,477	776,689	900,041	123,352	15.9
Rentals and Recoveries	1,147,482	1,207,689	123,900	217,829	218,771	942	0.4
Sale of equipment/recycle scrap	151,088	110,054	53,511	127,603	77,936	(49,668)	(38.9)
Uncollectable Metered Revenue	-	-	-	(1,320,343)	(1,366,848)	(46,504)	3.5
General Consumers Metered	69,128,477	67,524,201	70,337,904	68,740,838	68,754,453	13,614	0.0
Power Cost Recovery Factor (PCRF)**	152,203,645	128,960,928	131,064,840	194,796,200	196,165,463	1,369,263	0.7
Franchise Fee Equivalent Revenue**	10,539,368	9,337,517	9,524,817	13,736,230	12,498,381	(1,237,849)	(9.0)
Transmission Cost of Service (TCOS)	-	-	-	14,526,582	34,285,989	19,759,407	136.0
SPS Hold Harmless Reserve Revenue Recognition	-	-	-	24,000,000	-	(24,000,000)	(100.0)
ERCOT Hold Harmless Payment	-	-	-	(7,333,333)	(14,666,667)	(7,333,333)	100.0
Unit Contingent Sales	423,064	(69,960)	-	-	-	-	-
Power Marketing Sales	4,519,775	3,071,940	121	-	-	-	-
Fees and Charges	2,610,289	2,514,333	1,846,078	2,555,100	2,562,311	7,212	0.3
Outside Work Orders and Street Lights	624,454	864,402	1,054,433	865,098	1,041,170	176,073	20.4
Tampering Fees	53,800	51,173	13,268	52,299	53,449	1,151	2.2
Miscellaneous	222,470	244,440	371,396	183,661	170,732	(12,929)	(7.0)
Transfer from Debt Service Fund	411,759	2,280,536	3,103,050	3,103,050	1,551,525	(1,551,525)	(50.0)
Transfer from Other Funds	1,306,808	1,315,028	2,696,690	2,744,855	1,713,786	(1,031,069)	(37.6)
Total Revenue Sources	\$ 244,726,731	219,112,934	221,631,484	317,772,356	303,960,492	(13,811,864)	(4.3)
Utilization of General Reserve	-	-	2,124,738	-	3,721,532	4,551,470	-
TOTAL FUNDING SOURCES	\$ 244,726,731	219,112,934	223,756,222	317,772,356	307,682,025	(9,260,393)	(3.2)

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
DEPARTMENT LEVEL EXPENSES	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ 15,513,585	15,820,383	16,633,233	17,980,864	19,761,531	1,780,667	9.9
Benefits	6,300,968	6,395,597	6,583,155	7,567,387	8,219,842	652,456	8.6
Supplies	1,110,774	1,303,218	1,389,148	1,254,297	1,440,841	186,544	14.9
Fuel	2,963,241	2,303,279	-	-	-	-	-
Energy/Fuel**	77,099,763	64,438,776	60,067,543	114,798,696	118,774,066	3,975,370	3.5
Transmission	28,569,248	27,441,676	32,849,145	42,112,560	52,574,199	10,461,639	24.8
Capacity	46,291,784	35,085,238	32,953,188	30,961,504	17,055,032	(13,906,471)	(44.9)
SPS Hold Harmless Payment	-	-	-	24,000,000	-	(24,000,000)	(100.0)
Maintenance	2,399,163	2,972,963	3,618,461	2,564,205	2,659,274	95,069	3.7
Professional Services/Training	6,032,318	5,065,242	7,082,621	9,402,095	9,170,541	(231,555)	(2.5)
Other Charges	1,428,081	1,514,036	1,527,419	1,335,869	1,377,486	41,617	3.1
Scheduled Charges	5,368,571	5,110,567	4,485,188	6,000,067	6,942,367	942,299	15.7
Capital Outlay/Reimbursements	240,556	80,082	105,448	26,000	22,000	(4,000)	(15.4)
Reimbursement - Utility Collections	(5,921,050)	(6,345,949)	(6,014,288)	(5,800,763)	(6,148,191)	(347,428)	6.0
TOTAL DEPARTMENT LEVEL EXPENSES	\$ 187,397,003	161,185,108	161,280,261	252,202,781	231,848,988	(20,353,793)	(8.1)

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
FUND LEVEL EXPENSES	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Debt Service	\$ 19,553,723	22,019,432	26,193,206	17,695,538	33,976,285	16,280,747	92.0
Capitalized Interest	411,759	2,280,536	3,103,050	3,103,050	1,551,525	(1,551,525)	(50.0)
Note Program Fees	-	-	496,415	134,519	323,628	189,109	140.6
Transmission System Inventory	-	-	-	1,570,016	-	(1,570,016)	(100.0)
Transfer to Debt Service Reserve Fund	800,605	-	-	-	-	-	-
Indirect Cost Allocation	1,135,647	1,155,378	1,266,838	1,742,355	1,895,328	152,973	8.8
Franchise Fee Equivalent**	11,060,010	9,818,831	10,943,485	14,376,852	13,245,996	(1,130,856)	(7.9)
Payment In Lieu of Property Tax**	2,212,002	1,963,766	2,188,697	2,875,370	2,649,199	(226,171)	(7.9)
Transfer to Capital Program	15,950,000	15,995,000	17,145,000	22,023,600	20,969,731	(1,053,869)	(4.8)
Transfer to Debt Service for General Fund CIP	2,478,673	1,630,198	1,139,270	1,140,119	1,141,406	1,287	0.1
Miscellaneous	2,505,147	481,452	-	78,218	79,939	1,721	2.2
TOTAL FUND LEVEL EXPENSES	\$ 56,107,567	55,344,593	62,475,961	64,739,637	75,833,037	11,093,400	17.1
Final Compensation Adjustment	-	-	-	-	-	-	-
TOTAL EXPENSES	\$ 243,504,569	216,529,701	223,756,222	316,942,418	307,682,025	(9,260,393)	(2.9)

\*\*Budget Amendment Proposed in July 2021 increasing Energy Costs, PCRF Revenues, FFE, and PILOT.

# Lubbock Power & Light - Department Overview



	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ 15,513,585	15,820,383	16,633,233	17,980,864	19,761,531	1,780,667	9.9
Benefits	6,300,968	6,395,597	6,583,155	7,567,387	8,219,842	652,456	8.6
Supplies	1,110,774	1,303,218	1,389,148	1,254,297	1,440,841	186,544	14.9
Fuel	2,963,241	2,303,279	1,203,657	3,731,982	3,475,380	(256,602)	(6.9)
Purchased Power Costs	151,960,794	126,965,690	124,666,220	208,140,777	184,927,918	(23,212,859)	(11.2)
Maintenance	2,399,163	2,972,963	3,618,461	2,564,205	2,659,274	95,069	3.7
Professional Services/Training	6,032,318	5,065,242	7,082,621	9,402,095	9,170,541	(231,555)	(2.5)
Other Charges	1,428,081	1,514,036	1,527,419	1,335,869	1,377,486	41,617	3.1
Scheduled Charges	5,368,571	5,110,567	4,485,188	6,000,067	6,942,367	942,299	15.7
Capital Outlay/Reimbursements	240,556	80,082	105,448	26,000	22,000	(4,000)	(15.4)
Reimbursement - Utility Collections	(5,921,050)	(6,345,949)	(6,014,288)	(5,800,763)	(6,148,191)	(347,428)	6.0
TOTAL EXPENSES BY CATEGORY	\$ 187,397,003	161,185,108	161,280,260	252,202,781	231,848,988	(20,353,793)	(8.1)

## ADMINISTRATION

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY FUNCTION	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Administration	\$ 2,564,697	3,104,992	2,885,486	2,900,179	3,162,064	261,885	9.0
Regulatory Compliance	564,697	616,177	734,767	907,411	867,989	(39,422)	(4.3)
Legal	1,050,601	967,547	1,728,495	1,933,298	1,494,347	(438,951)	(22.7)
Conservation And Education	456,667	327,316	280,533	630,292	597,986	(32,306)	(5.1)
TOTAL ADMINISTRATION	\$ 4,636,662	5,016,033	5,629,282	6,371,180	6,122,385	(248,795)	(3.9)

## POWER PASS-THROUGH

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY FUNCTION	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Production Operations	\$ 883,833	960,977	904,216	943,824	845,751	(98,073)	(10.4)
Purchased Power	151,960,794	128,120,414	125,869,876	208,140,777	184,927,918	(23,212,859)	(11.2)
Production Cooke Station	695,257	433,495	556,222	956,568	1,347,324	390,756	40.8
Production Brandon Station	1,227,011	870,799	568,816	1,683,169	1,620,073	(63,096)	(3.7)
Production Massengale Station	6,881,470	5,138,697	3,291,958	7,063,946	7,529,014	465,068	6.6
Reg Market Admin & Compliance	318,258	209,991	13,939	-	-	-	-
TOTAL POWER PASS-THROUGH	\$ 161,966,623	135,734,373	131,205,027	218,788,284	196,270,080	(22,518,204)	(10.3)

## DISTRIBUTION

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY FUNCTION	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Distribution Supervision & Eng.	\$ 2,086,987	743,090	799,556	613,540	616,572	3,032	0.5
Underground Lines	2,197,702	2,471,896	3,337,097	2,961,222	3,136,688	175,465	5.9
Overhead Lines	2,007,222	2,681,800	2,895,954	2,745,299	2,839,782	94,483	3.4
Distribution Load Dispatching	1,023,776	1,003,083	1,347,521	1,928,666	2,113,160	184,495	9.6
Distribution Customer Svc.	3,307,727	3,493,801	3,747,163	3,504,974	3,580,248	75,274	2.1
Geographic Information Systems	-	509,057	834,680	870,777	913,281	42,504	4.9
Distribution Substations	847,066	991,866	959,045	1,295,249	1,660,333	365,084	28.2
Distribution Eng. & Constr. Mgmt.	-	424,772	484,916	490,445	493,555	3,111	0.6
Distribution Meter Shop	726,317	704,990	734,186	687,889	747,090	59,201	8.6
Distribution Street Lights	1,094,813	1,193,477	1,420,854	1,469,089	1,729,861	260,772	17.8
TOTAL DISTRIBUTION	\$ 13,291,611	14,217,833	16,560,972	16,567,149	17,830,570	1,263,421	7.6

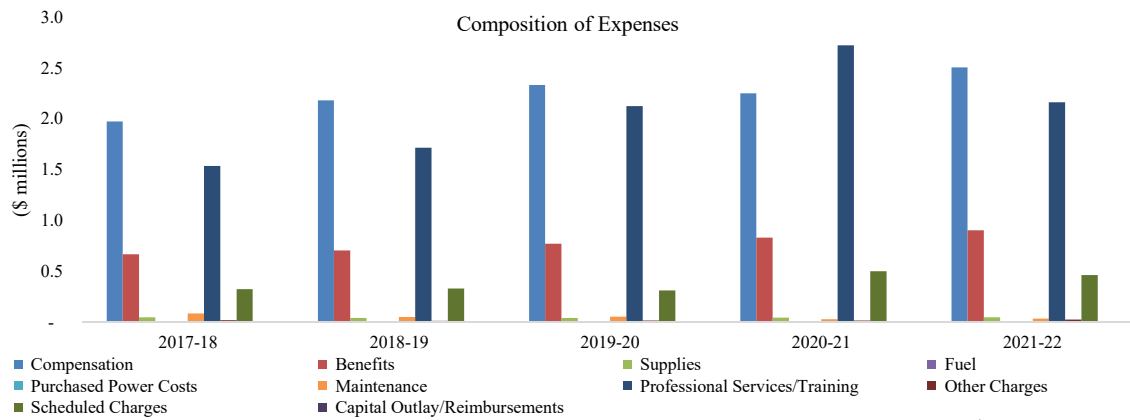
**TRANSMISSION**

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY FUNCTION	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Transmission Supervision & Eng.	\$ 1,808,362	1,098,982	1,752,995	1,127,787	1,107,735	(20,052)	(1.8)
Transmission Overhead Lines	44,820	48,430	151,327	124,630	1,269,472	1,144,842	918.6
Transmission Load Dispatching	516,726	602,376	849,471	1,530,826	1,720,924	190,098	12.4
Transmission Substation	247,968	451,351	307,651	456,776	490,776	34,000	7.4
TOTAL TRANSMISSION	\$ 2,617,877	2,201,139	3,061,445	3,240,020	4,588,908	1,348,888	41.6

**CUSTOMER SERVICE**

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY FUNCTION	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Field Services	\$ 998,644	1,303,892	1,256,121	2,292,958	2,190,551	(102,407)	(4.5)
Meter Reading	1,519,307	1,197,415	1,035,893	-	-	-	-
Customer Information Systems	1,864,824	3,737,656	4,386,363	5,662,616	5,372,611	(290,005)	(5.1)
Payment Processing	2,890,870	-	-	-	-	-	-
Customer Service	2,724,671	2,924,972	2,867,838	3,599,815	3,924,007	324,192	9.0
Collections	806,964	1,197,744	1,291,607	1,481,523	1,698,067	216,545	14.6
Reimbursement - Utility Collections	(5,921,050)	(6,345,949)	(6,014,288)	(5,800,763)	(6,148,191)	(347,428)	6.0
TOTAL CUSTOMER SERVICE	\$ 4,884,230	4,015,731	4,823,534	7,236,148	7,037,045	(199,103)	(2.8)

# Lubbock Power & Light - Administration

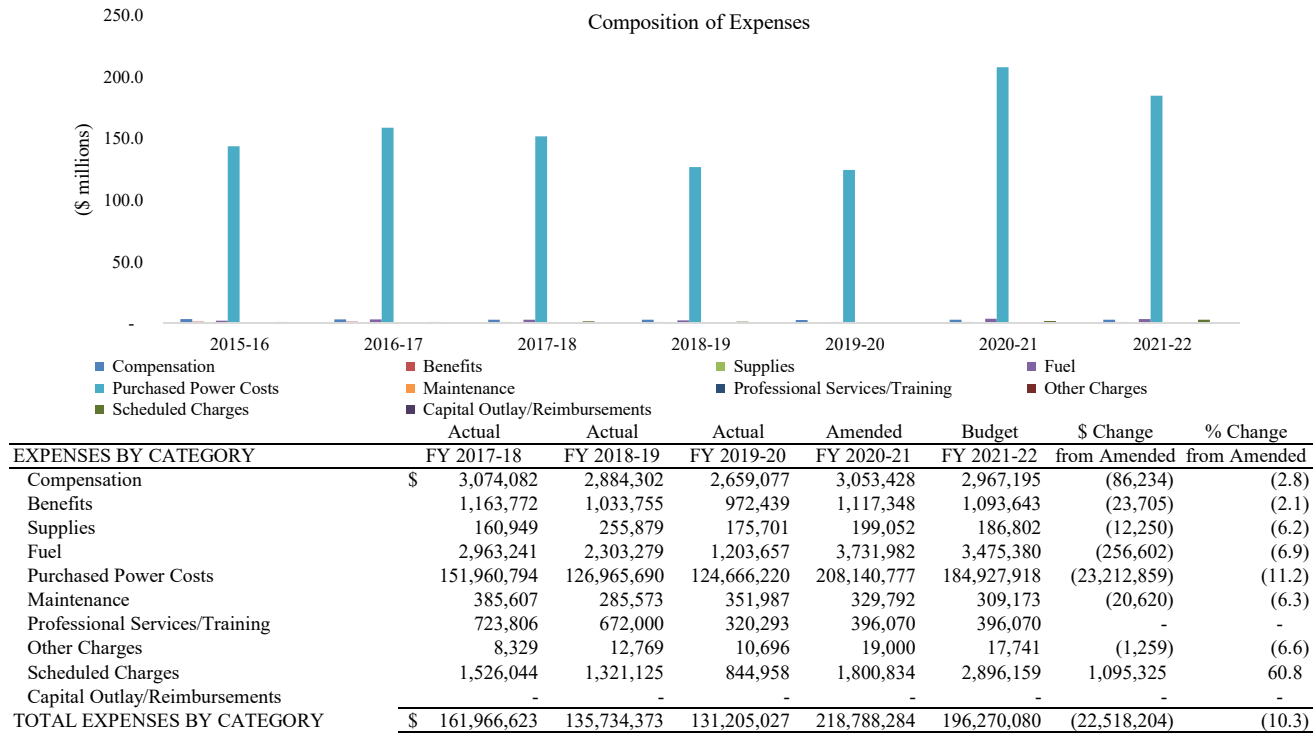


	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ 1,972,214	2,179,590	2,329,240	2,246,788	2,504,521	257,733	11.5
Benefits	665,679	700,759	768,330	829,011	899,818	70,807	8.5
Supplies	45,248	38,555	37,905	41,207	44,129	2,922	7.1
Fuel	-	-	-	-	-	-	-
Purchased Power Costs	-	-	-	-	-	-	-
Maintenance	81,595	47,694	50,113	25,045	30,735	5,690	22.7
Professional Services/Training	1,533,518	1,712,585	2,123,486	2,721,252	2,160,687	(560,565)	(20.6)
Other Charges	16,200	9,147	11,276	11,290	21,880	10,590	93.8
Scheduled Charges	322,209	327,702	308,931	496,587	460,615	(35,973)	(7.2)
Capital Outlay/Reimbursements	-	-	-	-	-	-	-
TOTAL EXPENSES BY CATEGORY	\$ 4,636,662	5,016,033	5,629,282	6,371,180	6,122,385	(248,795)	(3.9)

## ADMINISTRATION

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY FUNCTION	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Administration	\$ 2,564,697	3,104,992	2,885,486	2,900,179	3,162,064	261,885	9.0
Regulatory Compliance	564,697	616,177	734,767	907,411	867,989	(39,422)	(4.3)
Legal	1,050,601	967,547	1,728,495	1,933,298	1,494,347	(438,951)	(22.7)
Conservation And Education	456,667	327,316	280,533	630,292	597,986	(32,306)	(5.1)
TOTAL ADMINISTRATION	\$ 4,636,662	5,016,033	5,629,282	6,371,180	6,122,385	(248,795)	(3.9)

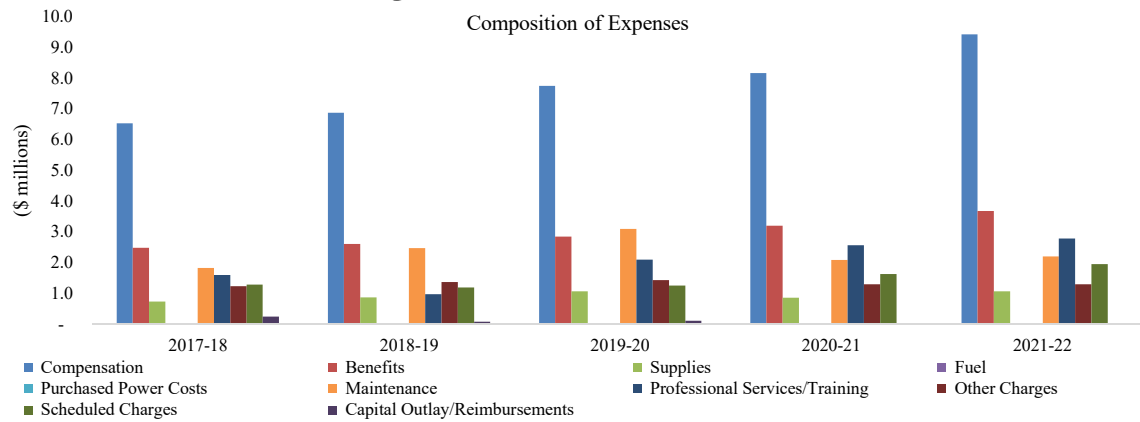
# Lubbock Power & Light - Power Pass-Through



## POWER PASS-THROUGH

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY FUNCTION	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Production Operations	\$ 883,833	960,977	904,216	943,824	845,751	(98,073)	(10.4)
Purchased Power	151,960,794	128,120,414	125,869,876	208,140,777	184,927,918	(23,212,859)	(11.2)
Production Cooke Station	695,257	433,495	556,222	956,568	1,347,324	390,756	40.8
Production Brandon Station	1,227,011	870,799	568,816	1,683,169	1,620,073	(63,096)	(3.7)
Production Massengale Station	6,881,470	5,138,697	3,291,958	7,063,946	7,529,014	465,068	6.6
Reg Market Admin & Compliance	318,258	209,991	13,939	-	-	-	-
<b>TOTAL POWER PASS-THROUGH</b>	<b>\$ 161,966,623</b>	<b>135,734,373</b>	<b>131,205,027</b>	<b>218,788,284</b>	<b>196,270,080</b>	<b>(22,518,204)</b>	<b>(10.3)</b>

# Lubbock Power & Light - Distribution & Transmission



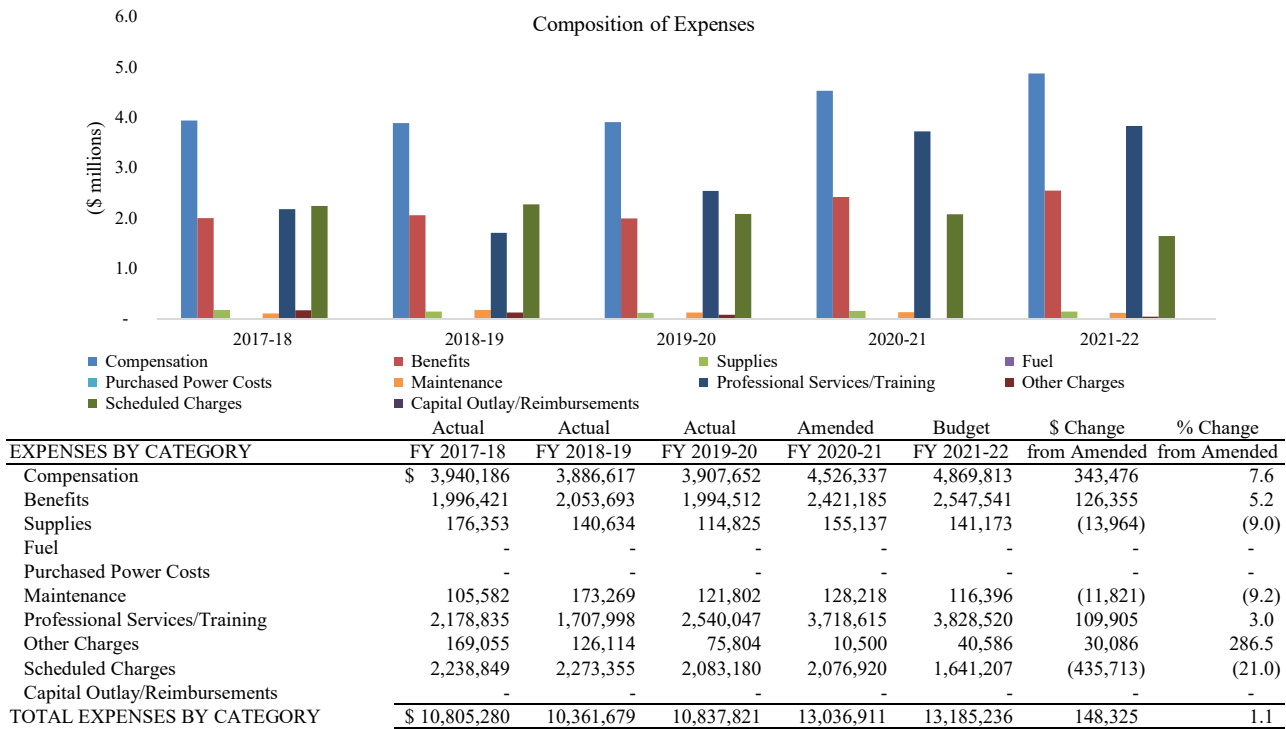
	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ 6,527,103	6,869,874	7,737,263	8,154,311	9,420,003	1,265,691	15.5
Benefits	2,475,097	2,607,391	2,847,874	3,199,843	3,678,840	478,998	15.0
Supplies	728,225	868,150	1,060,717	858,901	1,068,737	209,836	24.4
Fuel	-	-	-	-	-	-	-
Purchased Power Costs	-	-	-	-	-	-	-
Maintenance	1,826,380	2,466,428	3,094,558	2,081,150	2,202,969	121,819	5.9
Professional Services/Training	1,596,159	972,659	2,098,795	2,566,158	2,785,264	219,105	8.5
Other Charges	1,234,498	1,366,006	1,429,644	1,295,079	1,297,279	2,200	0.2
Scheduled Charges	1,281,470	1,188,384	1,248,119	1,625,726	1,944,386	318,660	19.6
Capital Outlay/Reimbursements	240,556	80,082	105,448	26,000	22,000	(4,000)	(15.4)
TOTAL EXPENSES BY CATEGORY	\$ 15,909,488	16,418,972	19,622,417	19,807,169	22,419,478	2,612,309	13.2

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY FUNCTION	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Distribution Supervision & Eng.	\$ 2,086,987	743,090	799,556	613,540	616,572	3,032	0.5
Underground Lines	2,197,702	2,471,896	3,337,097	2,961,222	3,136,688	175,465	5.9
Overhead Lines	2,007,222	2,681,800	2,895,954	2,745,299	2,839,782	94,483	3.4
Distribution Load Dispatching	1,023,776	1,003,083	1,347,521	1,928,666	2,113,160	184,495	9.6
Distribution Customer Svc.	3,307,727	3,493,801	3,747,163	3,504,974	3,580,248	75,274	2.1
Geographic Information Systems	-	509,057	834,680	870,777	913,281	42,504	4.9
Distribution Substations	847,066	991,866	959,045	1,295,249	1,660,333	365,084	28.2
Distribution Eng. & Constr. Mgmt.	-	424,772	484,916	490,445	493,555	3,111	0.6
Distribution Meter Shop	726,317	704,990	734,186	687,889	747,090	59,201	8.6
Distribution Street Lights	1,094,813	1,193,477	1,420,854	1,469,089	1,729,861	260,772	17.8
TOTAL DISTRIBUTION	\$ 13,291,611	14,217,833	16,560,972	16,567,149	17,830,570	1,263,421	7.6

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY FUNCTION	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Transmission Supervision & Eng.	\$ 1,808,362	1,098,982	1,752,995	1,127,787	1,107,735	(20,052)	(1.8)
Transmission Overhead Lines	44,820	48,430	151,327	124,630	1,269,472	1,144,842	918.6
Transmission Load Dispatching	516,726	602,376	849,471	1,530,826	1,720,924	190,098	12.4
Transmission Substation	247,968	451,351	307,651	456,776	490,776	34,000	7.4
TOTAL TRANSMISSION	\$ 2,617,877	2,201,139	3,061,445	3,240,020	4,588,908	1,348,888	41.6



# Lubbock Power & Light - Customer Service



## CUSTOMER SERVICE

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY FUNCTION	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Field Services	\$ 998,644	1,303,892	1,256,121	2,292,958	2,190,551	(102,407)	(4.5)
Meter Reading	1,519,307	1,197,415	1,035,893	-	-	-	-
Customer Information Systems	1,864,824	3,737,656	4,386,363	5,662,616	5,372,611	(290,005)	(5.1)
Payment Processing	2,890,870	-	-	-	-	-	-
Customer Service	2,724,671	2,924,972	2,867,838	3,599,815	3,924,007	324,192	9.0
Collections	806,964	1,197,744	1,291,607	1,481,523	1,698,067	216,545	14.6
<b>TOTAL CUSTOMER SERVICE</b>	<b>\$ 10,805,280</b>	<b>10,361,679</b>	<b>10,837,821</b>	<b>13,036,911</b>	<b>13,185,236</b>	<b>148,325</b>	<b>1.1</b>

\*This page excludes the reimbursements from the Other City Utilities, which is shown on the Department Overview summary.

# Lubbock Power & Light - Department Expenses

## Administration

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ 1,405,610	1,559,349	1,608,610	1,522,361	1,750,525	228,164	15.0
Benefits	471,006	508,725	540,176	553,503	625,130	71,627	12.9
Supplies	35,365	29,231	28,438	26,841	29,968	3,127	11.7
Maintenance	73,559	37,034	40,681	22,000	28,160	6,160	28.0
Professional Services/Training	317,049	694,835	404,747	354,413	347,551	(6,862)	(1.9)
Other Charges	13,570	7,050	9,772	7,540	10,300	2,760	36.6
Scheduled Charges	248,539	268,768	253,063	413,521	370,430	(43,092)	(10.4)
Capital Outlay/Reimbursements	-	-	-	-	-	-	-
TOTAL ADMINISTRATION	\$ 2,564,697	3,104,992	2,885,487	2,900,179	3,162,064	261,885	9.0

## Regulatory Compliance

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ 223,520	257,273	274,900	219,433	239,199	19,766	9.0
Benefits	86,620	86,045	88,121	85,097	90,893	5,796	6.8
Supplies	6,319	7,948	7,050	10,136	10,263	127	1.3
Maintenance	8,036	10,660	9,432	2,295	2,325	30	1.3
Professional Services/Training	202,329	214,641	317,099	535,494	465,091	(70,403)	(13.1)
Other Charges	193	487	181	250	5,580	5,330	2,131.9
Scheduled Charges	37,680	39,124	37,983	54,706	54,638	(68)	(0.1)
Capital Outlay/Reimbursements	-	-	-	-	-	-	-
TOTAL REGULATORY COMPLIANCE	\$ 564,697	\$ 616,177	\$ 734,767	\$ 907,411	\$ 867,989	(39,422)	(4.3)

## Legal

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ 304,700	322,459	404,118	286,516	326,108	39,592	13.8
Benefits	94,353	91,785	125,567	101,511	111,576	10,065	9.9
Supplies	3,085	1,026	1,697	3,080	3,080	-	-
Maintenance	-	-	-	-	-	-	-
Professional Services/Training	615,982	534,758	1,181,205	1,516,410	1,020,610	(495,800)	(32.7)
Other Charges	2,436	1,610	1,323	1,000	1,000	-	-
Scheduled Charges	30,045	15,908	14,585	24,781	31,973	7,192	29.0
Capital Outlay/Reimbursements	-	-	-	-	-	-	-
TOTAL LEGAL	\$ 1,050,601	967,547	1,728,495	1,933,298	1,494,347	(438,951)	(22.7)

## Conservation And Education

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ 38,385	40,509	41,612	218,478	188,689	(29,789)	(13.6)
Benefits	13,700	14,204	14,466	88,900	72,220	(16,680)	(18.8)
Supplies	479	350	720	1,150	818	(332)	(28.9)
Maintenance	-	-	-	750	250	(500)	(66.7)
Professional Services/Training	398,158	268,351	220,435	314,935	327,435	12,500	4.0
Other Charges	-	-	-	2,500	5,000	2,500	100.0
Scheduled Charges	5,946	3,903	3,300	3,579	3,574	(5)	(0.1)
Capital Outlay/Reimbursements	-	-	-	-	-	-	-
TOTAL CONSERVATION AND EDUCATION	\$ 456,667	327,316	280,533	630,292	597,986	(32,306)	(5.1)

## Production Operations

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ 577,317	592,410	571,979	586,207	512,613	(73,595)	(12.6)
Benefits	211,869	202,352	208,321	213,811	186,536	(27,275)	(12.8)
Supplies	5,857	6,580	10,294	7,750	5,500	(2,250)	(29.0)
Maintenance	6,793	2,062	6,415	7,298	3,010	(4,288)	(58.8)
Professional Services/Training	57,057	62,138	91,758	76,400	76,400	-	-
Other Charges	4,557	1,484	3,282	3,900	8,141	4,241	108.7
Scheduled Charges	20,383	93,951	12,166	48,457	53,551	5,094	10.5
Capital Outlay/Reimbursements	-	-	-	-	-	-	-
TOTAL PRODUCTION OPERATIONS	\$ 883,833	960,977	904,216	943,824	845,751	(98,073)	(10.4)

**Purchased Power**

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ -	-	-	-	-	-	-
Benefits	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-
Fuel	-	1,154,724	1,203,657	-	-	-	-
Purchased Power Costs	151,960,794	126,965,690	124,666,220	208,140,777	184,927,918	(23,212,859)	(11.2)
Maintenance	-	-	-	-	-	-	-
Professional Services/Training	-	-	-	-	-	-	-
Other Charges	-	-	-	-	-	-	-
Scheduled Charges	-	-	-	-	-	-	-
Capital Outlay/Reimbursements	-	-	-	-	-	-	-
<b>TOTAL PURCHASED POWER</b>	<b>\$ 151,960,794</b>	<b>128,120,414</b>	<b>125,869,876</b>	<b>208,140,777</b>	<b>184,927,918</b>	<b>(23,212,859)</b>	<b>(11.2)</b>

**Production Cooke Station**

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ 180,694	72,707	141,707	156,190	157,154	964	0.6
Benefits	72,556	30,355	54,162	58,314	59,410	1,095	1.9
Supplies	17,271	24,975	26,712	18,544	17,544	(1,000)	(5.4)
Fuel	-	-	-	156,939	134,922	(22,018)	(14.0)
Maintenance	70,592	49,631	35,506	55,354	54,959	(395)	(0.7)
Professional Services/Training	10,410	84,340	49,867	45,650	45,650	-	-
Other Charges	838	1,828	479	4,500	1,500	(3,000)	(66.7)
Scheduled Charges	342,895	169,661	247,790	461,076	876,186	415,110	90.0
Capital Outlay/Reimbursements	-	-	-	-	-	-	-
<b>TOTAL PRODUCTION COOKE STATION</b>	<b>\$ 695,257</b>	<b>433,495</b>	<b>556,222</b>	<b>956,568</b>	<b>1,347,324</b>	<b>390,756</b>	<b>40.8</b>

**Production Brandon Station**

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ 297,750	328,652	139,206	287,288	296,234	8,947	3.1
Benefits	129,800	120,851	76,556	108,611	108,566	(45)	(0.0)
Supplies	18,438	23,624	15,137	20,900	19,400	(1,500)	(7.2)
Fuel	383,251	48,712	-	784,695	674,608	(110,088)	(14.0)
Maintenance	131,886	94,962	158,617	88,820	88,640	(180)	(0.2)
Professional Services/Training	26,898	21,759	7,689	45,400	45,400	-	-
Other Charges	746	969	68	2,500	2,500	-	-
Scheduled Charges	238,242	231,270	171,544	344,956	384,725	39,769	11.5
Capital Outlay/Reimbursements	-	-	-	-	-	-	-
<b>TOTAL PRODUCTION BRANDON STATION</b>	<b>\$ 1,227,011</b>	<b>870,799</b>	<b>568,816</b>	<b>1,683,169</b>	<b>1,620,073</b>	<b>(63,096)</b>	<b>(3.7)</b>

**Production Massengale Station**

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ 2,018,322	1,890,532	1,806,186	2,023,743	2,001,194	(22,549)	(1.1)
Benefits	749,546	680,198	633,400	736,611	739,131	2,520	0.3
Supplies	119,391	200,701	123,557	151,858	144,358	(7,500)	(4.9)
Fuel	2,579,990	1,099,843	-	2,790,348	2,665,850	(124,497)	(4.5)
Maintenance	176,336	138,919	151,449	178,320	162,562	(15,757)	(8.8)
Professional Services/Training	311,174	293,772	157,039	228,620	228,620	-	-
Other Charges	2,188	8,489	6,868	8,100	5,600	(2,500)	(30.9)
Scheduled Charges	924,524	826,243	413,459	946,346	1,581,698	635,352	67.1
Capital Outlay/Reimbursements	-	-	-	-	-	-	-
<b>TOTAL PRODUCTION MASSENGALE STATION</b>	<b>\$ 6,881,470</b>	<b>5,138,697</b>	<b>3,291,958</b>	<b>7,063,946</b>	<b>7,529,014</b>	<b>465,068</b>	<b>6.6</b>

**Reg Market Admin & Compliance**

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ -	-	-	-	-	-	-
Benefits	-	-	-	-	-	-	-
Supplies	(8)	-	-	-	-	-	-
Maintenance	-	-	-	-	-	-	-
Professional Services/Training	318,266	209,991	13,939	-	-	-	-
Other Charges	-	-	-	-	-	-	-
Scheduled Charges	-	-	-	-	-	-	-
Capital Outlay/Reimbursements	-	-	-	-	-	-	-
<b>TOTAL REG MARKET ADMIN &amp; COMPLIANCE</b>	<b>\$ 318,258</b>	<b>209,991</b>	<b>13,939</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

**Distribution Supervision & Eng.**

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ 1,050,839	265,899	381,342	308,194	290,792	(17,402)	(5.6)
Benefits	395,573	145,638	152,633	121,539	120,925	(615)	(0.5)
Supplies	52,082	34,558	21,501	22,711	14,433	(8,278)	(36.4)
Maintenance	27,501	19,303	13,126	16,680	16,799	119	0.7
Professional Services/Training	61,308	40,206	35,894	49,635	49,635	-	-
Other Charges	50,236	25,773	7,078	8,400	8,400	-	-
Scheduled Charges	449,447	211,713	187,982	86,380	115,588	29,208	33.8
Capital Outlay/Reimbursements	-	-	-	-	-	-	-
TOTAL DISTRIBUTION SUPERVISION & ENG.	\$ 2,086,987	743,090	799,556	613,540	616,572	3,032	0.5

**Underground Lines**

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ 1,003,015	985,855	1,451,225	1,407,738	1,459,703	51,965	3.7
Benefits	394,017	394,465	508,863	570,306	592,767	22,462	3.9
Supplies	179,982	215,873	308,731	209,268	241,395	32,127	15.4
Maintenance	415,636	522,738	866,266	518,098	569,225	51,127	9.9
Professional Services/Training	38,515	51,336	45,050	66,597	68,030	1,433	2.2
Other Charges	2,688	92,891	9,226	2,500	2,500	-	-
Scheduled Charges	129,099	168,159	137,595	186,715	203,067	16,353	8.8
Capital Outlay/Reimbursements	34,752	40,579	10,141	-	-	-	-
TOTAL UNDERGROUND LINES	\$ 2,197,702	2,471,896	3,337,097	2,961,222	3,136,688	175,465	5.9

**Overhead Lines**

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ 685,985	980,547	974,897	1,082,959	1,114,179	31,220	2.9
Benefits	281,386	387,325	368,623	452,259	463,350	11,091	2.5
Supplies	218,310	227,088	303,517	241,351	251,478	10,127	4.2
Maintenance	578,639	920,968	1,054,902	659,912	698,499	38,587	5.8
Professional Services/Training	25,620	58,869	85,210	117,446	117,446	-	-
Other Charges	829	11,462	2,805	500	500	-	-
Scheduled Charges	79,137	90,344	95,859	190,873	194,331	3,458	1.8
Capital Outlay/Reimbursements	137,316	5,196	10,141	-	-	-	-
TOTAL OVERHEAD LINES	\$ 2,007,222	2,681,800	2,895,954	2,745,299	2,839,782	94,483	3.4

**Distribution Load Dispatching**

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ 622,734	625,001	713,435	781,821	923,272	141,451	18.1
Benefits	200,049	213,918	245,002	279,140	322,094	42,954	15.4
Supplies	11,271	6,840	6,908	8,291	8,468	177	2.1
Maintenance	9,405	10,250	10,401	10,397	12,591	2,194	21.1
Professional Services/Training	95,393	82,043	280,113	748,550	748,550	-	-
Other Charges	4,135	898	2,737	2,000	14,600	12,600	630.0
Scheduled Charges	80,789	64,133	88,925	98,467	83,586	(14,881)	(15.1)
Capital Outlay/Reimbursements	-	-	-	-	-	-	-
TOTAL DISTRIBUTION LOAD DISPATCHING	\$ 1,023,776	1,003,083	1,347,521	1,928,666	2,113,160	184,495	9.6

**Distribution Customer Svc.**

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ 1,049,856	1,071,635	1,261,210	1,222,082	1,292,766	70,684	5.8
Benefits	383,910	392,667	441,896	441,174	462,412	21,238	4.8
Supplies	131,266	139,919	133,494	129,541	134,868	5,327	4.1
Maintenance	241,266	294,489	291,550	248,719	257,570	8,851	3.6
Professional Services/Training	26,467	25,628	26,129	27,333	18,500	(8,833)	(32.3)
Other Charges	1,158,681	1,211,838	1,217,897	1,150,600	1,201,300	50,700	4.4
Scheduled Charges	316,282	357,624	374,986	285,525	212,832	(72,694)	(25.5)
Capital Outlay/Reimbursements	-	-	-	-	-	-	-
TOTAL DISTRIBUTION CUSTOMER SVC.	\$ 3,307,727	3,493,801	3,747,163	3,504,974	3,580,248	75,274	2.1

**Geographic Information Systems**

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ -	344,551	461,372	488,710	498,960	10,250	2.1
Benefits	-	118,146	189,454	203,610	204,160	550	0.3
Supplies	-	12,439	11,673	17,695	13,285	(4,410)	(24.9)
Maintenance	-	470	5,733	500	2,000	1,500	300.0
Professional Services/Training	-	28,130	9,427	26,724	154,941	128,217	479.8
Other Charges	-	4,829	145,776	121,414	22,829	(98,585)	(81.2)
Scheduled Charges	-	491	11,246	12,124	17,106	4,983	41.1
Capital Outlay/Reimbursements	-	-	-	-	-	-	-
TOTAL GEOGRAPHIC INFORMATION SYSTEMS	\$ -	509,057	834,680	870,777	913,281	42,504	4.9

**Distribution Substations**

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ 336,215	355,432	290,275	358,502	393,202	34,700	9.7
Benefits	151,820	109,700	107,870	145,585	156,888	11,303	7.8
Supplies	51,194	89,465	99,828	90,047	100,853	10,805	12.0
Maintenance	128,339	139,923	68,981	92,450	95,899	3,449	3.7
Professional Services/Training	5,127	73,803	49,799	47,726	37,726	(10,000)	(21.0)
Other Charges	102	457	2,792	1,000	1,000	-	-
Scheduled Charges	174,269	223,086	259,576	533,939	874,765	340,826	63.8
Capital Outlay/Reimbursements	-	-	79,924	26,000	-	(26,000)	(100.0)
TOTAL DISTRIBUTION SUBSTATIONS	\$ 847,066	991,866	959,045	1,295,249	1,660,333	365,084	28.2

**Distribution Eng. & Constr. Mgmt.**

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ -	276,615	228,280	211,013	214,636	3,623	1.7
Benefits	-	94,087	95,853	91,767	92,765	999	1.1
Supplies	-	16,062	17,798	15,208	19,383	4,175	27.5
Maintenance	-	7,291	23,026	9,000	9,000	-	-
Professional Services/Training	-	20,468	91,853	130,420	130,508	88	0.1
Other Charges	-	9,556	10,402	3,565	-	(3,565)	(100.0)
Scheduled Charges	-	692	17,705	29,473	27,263	(2,210)	(7.5)
Capital Outlay/Reimbursements	-	-	-	-	-	-	-
TOTAL DISTRIBUTION ENG. & CONSTR. MGMT.	\$ -	424,772	484,916	490,445	493,555	3,111	0.6

**Distribution Meter Shop**

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ 443,930	428,510	442,376	409,453	410,327	874	0.2
Benefits	172,492	173,689	163,989	157,073	159,400	2,327	1.5
Supplies	24,191	23,896	29,946	29,386	32,873	3,487	11.9
Maintenance	32,054	31,300	39,811	35,360	24,099	(11,261)	(31.8)
Professional Services/Training	8,557	5,379	4,347	5,707	31,707	26,000	455.6
Other Charges	2,274	666	9,191	1,900	1,900	-	-
Scheduled Charges	42,819	41,549	44,526	49,009	64,783	15,774	32.2
Capital Outlay/Reimbursements	-	-	-	-	22,000	22,000	-
TOTAL DISTRIBUTION METER SHOP	\$ 726,317	704,990	734,186	687,889	747,090	59,201	8.6

**Distribution Street Lights**

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ 445,140	486,005	485,393	674,758	842,749	167,991	24.9
Benefits	163,745	188,792	188,554	282,159	352,161	70,001	24.8
Supplies	33,378	42,222	42,491	41,867	47,467	5,600	13.4
Maintenance	370,756	453,033	682,723	412,334	434,587	22,253	5.4
Professional Services/Training	5,116	4,355	5,559	17,072	12,072	(5,000)	(29.3)
Other Charges	8,905	-	6,057	-	-	-	-
Scheduled Charges	5,419	19,069	10,078	40,899	40,826	(73)	(0.2)
Capital Outlay/Reimbursements	62,354	-	-	-	-	-	-
TOTAL DISTRIBUTION STREET LIGHTS	\$ 1,094,813	1,193,477	1,420,854	1,469,089	1,729,861	260,772	17.8

**Transmission Supervision & Eng.**

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ 345,002	411,577	406,499	396,525	382,229	(14,297)	(3.6)
Benefits	127,631	154,669	157,550	145,422	144,200	(1,222)	(0.8)
Supplies	2,857	4,654	5,933	5,585	6,385	800	14.3
Maintenance	551	1,303	7,913	1,200	1,200	-	-
Professional Services/Training	1,328,257	517,075	1,155,691	508,609	508,609	-	-
Other Charges	-	2,884	657	1,450	-	(1,450)	(100.0)
Scheduled Charges	4,065	6,820	18,753	68,996	65,112	(3,884)	(5.6)
Capital Outlay/Reimbursements	-	-	-	-	-	-	-
TOTAL TRANSMISSION SUPERVISION & ENG.	\$ 1,808,362	1,098,982	1,752,995	1,127,787	1,107,735	(20,052)	(1.8)

**Transmission Overhead Lines**

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ 2,281	3,939	60,869	47,331	669,844	622,513	1,315.2
Benefits	839	1,511	21,876	17,048	264,678	247,631	1,452.6
Supplies	19,900	24,991	47,807	30,251	175,650	145,399	480.6
Maintenance	9,484	5,426	1,463	30,000	40,000	10,000	33.3
Professional Services/Training	-	12,150	19,312	-	75,000	75,000	-
Other Charges	6,182	412	1	-	42,500	42,500	-
Scheduled Charges	-	-	-	-	1,800	1,800	-
Capital Outlay/Reimbursements	6,134	-	-	-	-	-	-
TOTAL TRANSMISSION OVERHEAD LINES	\$ 44,820	48,430	151,327	124,630	1,269,472	1,144,842	918.6

**Transmission Load Dispatching**

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ 369,353	395,696	427,523	496,622	639,744	143,122	28.8
Benefits	136,127	143,426	147,962	186,628	230,204	43,576	23.3
Supplies	-	-	12	-	1,000	1,000	-
Maintenance	8,837	19,636	657	10,000	10,000	-	-
Professional Services/Training	1,800	39,224	259,416	792,750	795,150	2,400	0.3
Other Charges	466	23	13,506	1,500	1,500	-	-
Scheduled Charges	143	4,371	395	43,327	43,327	-	-
Capital Outlay/Reimbursements	-	-	-	-	-	-	-
TOTAL TRANSMISSION LOAD DISPATCHING	\$ 516,726	602,376	849,471	1,530,826	1,720,924	190,098	12.4

**Transmission Substation**

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ 172,754	238,611	152,568	268,601	287,600	18,999	7.1
Benefits	67,508	89,358	57,750	106,135	112,836	6,701	6.3
Supplies	3,794	30,141	31,077	17,700	21,200	3,500	19.8
Maintenance	3,913	40,297	28,005	36,500	31,500	(5,000)	(13.7)
Professional Services/Training	-	13,990	30,996	27,590	37,390	9,800	35.5
Other Charges	-	4,316	1,519	250	250	-	-
Scheduled Charges	-	331	494	-	-	-	-
Capital Outlay/Reimbursements	-	34,307	5,243	-	-	-	-
TOTAL TRANSMISSION SUBSTATION	\$ 247,968	451,351	307,651	456,776	490,776	34,000	7.4

**Field Services**

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ 598,500	664,646	653,693	1,200,387	1,139,658	(60,728)	(5.1)
Benefits	303,283	351,264	319,636	658,865	615,812	(43,053)	(6.5)
Supplies	27,216	33,219	30,348	129,481	115,688	(13,793)	(10.7)
Maintenance	48,545	89,131	54,885	113,918	106,354	(7,563)	(6.6)
Professional Services/Training	1,879	5,947	2,345	18,270	9,270	(9,000)	(49.3)
Other Charges	159	2,151	23,851	2,000	9,861	7,861	393.1
Scheduled Charges	19,061	157,534	171,362	170,038	193,907	23,869	14.0
Capital Outlay/Reimbursements	-	-	-	-	-	-	-
TOTAL FIELD SERVICES	\$ 998,644	1,303,892	1,256,121	2,292,958	2,190,551	(102,407)	(4.5)

**Meter Reading**

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ 759,834	612,915	430,341	-	-	-	-
Benefits	419,887	340,075	287,554	-	-	-	-
Supplies	100,752	84,793	64,663	-	-	-	-
Maintenance	36,494	70,436	51,691	-	-	-	-
Professional Services/Training	2,835	3,083	13,747	-	-	-	-
Other Charges	24,646	17,333	1,872	-	-	-	-
Scheduled Charges	174,860	68,781	186,025	-	-	-	-
Capital Outlay/Reimbursements	-	-	-	-	-	-	-
TOTAL METER READING	\$ 1,519,307	1,197,415	1,035,893	-	-	-	-

**Customer Information Systems**

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ 342,331	350,848	401,707	500,677	555,221	54,543	10.9
Benefits	136,437	149,183	158,146	227,336	250,233	22,898	10.1
Supplies	1,720	2,178	1,943	3,766	2,893	(873)	(23.2)
Maintenance	960	-	1,000	4,500	9,542	5,042	112.0
Professional Services/Training	334,693	1,536,037	2,374,797	3,515,137	3,640,092	124,955	3.6
Other Charges	76	103,905	40,901	4,500	2,705	(1,795)	(39.9)
Scheduled Charges	1,048,605	1,595,506	1,407,870	1,406,701	911,925	(494,776)	(35.2)
Capital Outlay/Reimbursements	-	-	-	-	-	-	-
TOTAL CUSTOMER INFORMATION SYSTEMS	\$ 1,864,824	3,737,656	4,386,363	5,662,616	5,372,611	(290,005)	(5.1)

**Payment Processing**

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ 175,946	-	-	-	-	-	-
Benefits	95,783	-	-	-	-	-	-
Supplies	24,717	-	-	-	-	-	-
Maintenance	18,154	-	-	-	-	-	-
Professional Services/Training	1,688,513	-	-	-	-	-	-
Other Charges	137,218	-	-	-	-	-	-
Scheduled Charges	750,538	-	-	-	-	-	-
Capital Outlay/Reimbursements	-	-	-	-	-	-	-
TOTAL PAYMENT PROCESSING	\$ 2,890,870	-	-	-	-	-	-

**Customer Service**

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ 1,625,424	1,615,798	1,665,633	2,021,837	2,223,428	201,591	10.0
Benefits	834,466	889,400	879,413	1,118,694	1,195,548	76,855	6.9
Supplies	17,228	13,389	14,416	15,766	16,468	702	4.5
Maintenance	345	13,611	14,093	9,300	-	(9,300)	(100.0)
Professional Services/Training	12,848	14,439	15,846	26,208	20,658	(5,550)	(21.2)
Other Charges	5,616	1,551	1,126	2,000	24,120	22,120	1,106.0
Scheduled Charges	228,744	376,784	277,310	406,011	443,785	37,774	9.3
Capital Outlay/Reimbursements	-	-	-	-	-	-	-
TOTAL CUSTOMER SERVICE	\$ 2,724,671	2,924,972	2,867,838	3,599,815	3,924,007	324,192	9.0

**Collections**

	Actual	Actual	Actual	Amended	Budget	\$ Change	% Change
EXPENSES BY CATEGORY	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	from Amended	from Amended
Compensation	\$ 438,151	642,411	756,278	803,436	951,506	148,070	18.4
Benefits	206,564	323,771	349,763	416,291	485,947	69,656	16.7
Supplies	4,719	7,055	3,455	6,124	6,124	-	-
Maintenance	1,083	90	133	500	500	-	-
Professional Services/Training	138,067	148,492	133,313	159,000	158,500	(500)	(0.3)
Other Charges	1,339	1,174	8,053	2,000	3,900	1,900	95.0
Scheduled Charges	17,041	74,751	40,613	94,171	91,590	(2,581)	(2.7)
Capital Outlay/Reimbursements	-	-	-	-	-	-	-
TOTAL COLLECTIONS	\$ 806,964	1,197,744	1,291,607	1,481,523	1,698,067	216,545	14.6





Lubbock Power and Light Utility

Appropriation Summary

	Project Name	Appropriation to Date	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	Total Appropriation
	<b>AUTOTRANSFORMERS</b>								
92466	Autotransformer - Co-op	\$ 5,150,000	-	-	-	-	-	-	5,150,000
92468	Autotransformer - Mackenzie	6,000,000	-	-	-	-	-	-	6,000,000
	<b>CAPACITY UPGRADES</b>								
92680	Substation Capacity Upgrade - Northeast	600,000	7,555,000	-	-	-	-	-	8,155,000
92727	Substation Capacity Upgrade - Co-op	-	5,670,000	-	-	-	-	-	5,670,000
92728	Substation Capacity Upgrade - Thompson	-	2,740,000	-	-	-	2,375,000	5,985,000	11,100,000
92729	Substation Capacity Upgrade - Vicksburg	-	8,660,000	-	-	-	-	-	8,660,000
2012098	Substation Capacity Upgrade - Erskine	-	-	-	-	730,000	2,540,000	5,570,000	8,840,000
2015029	Substation Capacity Upgrade - Mackenzie	-	-	-	700,000	2,430,000	5,340,000	-	8,470,000
	<b>FUTURE SUBSTATIONS</b>								
92464	Yellow House Canyon Substation	13,560,000	-	-	-	-	-	-	13,560,000
	<b>SUBSTATION REBUILDS</b>								
92407	Southeast Substation Expansion	2,955,000	-	-	-	-	-	-	2,955,000
92469	Substation Rebuild - Holly	7,150,000	-	-	-	-	-	-	7,150,000
92470	Substation Rebuild - Oliver	6,800,000	-	-	-	-	-	-	6,800,000
92635	Substation Rebuild - Northeast	1,800,000	-	-	-	-	-	-	1,800,000
92668	Wadsworth Relay Upgrade	1,100,000	-	-	-	-	-	-	1,100,000
	<b>SUBSTATION PROJECTS</b>								
92380	Feeder Circuits - Northwest	1,384,200	-	-	285,000	295,000	-	-	1,964,200
92484	Substation Upgrades	5,350,000	-	-	-	-	-	-	5,350,000
92731	Yellowhouse Substation Capacity upgrade	-	1,335,000	2,950,000	-	-	-	-	4,285,000
92732	McDonald Substation Capacity upgrade	-	1,410,000	2,950,000	-	-	-	-	4,360,000
	<b>345KV - ERCOT INTERCONNECTION</b>								
92473	Posey Substation	19,900,000	-	-	-	-	-	-	19,900,000
92474	Yellow House Canyon 345/115kV Transformers	10,260,000	-	-	-	-	-	-	10,260,000
92475	Dunbar 345/115kV Transformers	10,840,000	-	-	-	-	-	-	10,840,000
92533	Posey to Southeast 115kV Line	7,400,000	-	-	-	-	-	-	7,400,000
92609	Blackwater Draw to Folsom Point 345kV Line	42,320,000	-	-	-	-	-	-	42,320,000
92610	Blackwater Draw to Double Mountain 345kV Line	57,091,522	-	-	-	-	-	-	57,091,522
92611	Double Mountain to Fiddlewood 345kV Line	24,980,000	-	-	-	-	-	-	24,980,000
92661	Posey to Oliver 115kV line	14,970,000	-	-	-	-	-	-	14,970,000
92662	Dunbar Station Work	1,000,000	-	-	-	-	-	-	1,000,000
92663	Yellow House Canyon Station Work	1,000,000	-	-	-	-	-	-	1,000,000
92664	Oliver Station Work (to accommodate 115kV lines)	750,000	-	-	-	-	-	-	750,000
92665	Southeast Station Work (to accommodate 115kV lines)	750,000	-	-	-	-	-	-	750,000
92666	Dunbar Substation Work	10,302,434	-	-	-	-	-	-	10,302,434
92710	Fiddlewood - Farmland 345kV Transmission Line	8,000,000	-	-	-	-	-	-	8,000,000

Lubbock Power and Light Utility

Appropriation Summary

	Project Name	Appropriation to Date	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	Total Appropriation
	<b>TRANSMISSION PROJECTS</b>								
92331	Fiberoptic Communications	\$ 1,600,000	1,000,000	1,065,000	1,090,000	1,255,000	960,000	735,000	7,705,000
92403	69/115kV Line Rebuild: Thompson-Vicksburg	4,175,000	-	-	-	-	-	-	4,175,000
92404	115kV Line Construction – Northwest to Mackenzie	17,964,247	-	-	-	-	-	-	17,964,247
92405	69/115kV Line Rebuild: Chalker-Thompson	5,770,000	-	-	-	-	-	-	5,770,000
92460	69/115kV Line Rebuild: Erskine-Mackenzie	4,280,000	-	-	-	-	-	-	4,280,000
92477	69/115kV Line Rebuild: Holly-Southeast	9,500,000	-	-	-	-	-	-	9,500,000
92478	69/115kV Line Rebuild: Holly-Slaton	6,570,000	-	-	-	-	-	-	6,570,000
92480	69/115kV Line Rebuild: Southeast-Oliver	4,900,000	-	-	-	-	-	-	4,900,000
92681	ERCOT Conversion Work	450,000	-	-	-	-	-	-	450,000
92682	Program 69-115 Voltage Conversion	1,075,000	-	-	-	-	-	-	1,075,000
2019116	115kV Line Rebuild - Coop to McCullough	-	-	-	-	-	685,000	11,715,000	12,400,000
2019117	115kV Line Rebuild - McDonald to Northwest	-	-	-	6,790,000	8,445,000	-	-	15,235,000
2019118	69/115kV Line Rebuild: Brandon-Vicksburg	-	-	-	-	-	3,420,000	3,495,000	6,915,000
2019119	69/115kV Line Rebuild: Brandon-Erskine	-	-	-	-	4,105,000	5,450,000	-	9,555,000
	<b>DISTRIBUTION PROJECTS</b>								
8626	Distribution Planning	680,000	-	-	-	-	-	-	680,000
92586	Dunbar-Manhattan Heights Underground Conversion	1,210,000	-	-	-	-	-	-	1,210,000
92606	South Plains Mall Expansion	835,000	-	-	-	-	-	-	835,000
92608	Red Raider Substation Distribution Feeders	4,000,000	1,565,000	-	-	-	-	-	5,565,000
92693	Distribution System Upgrade-Improvements-Expansion	4,936,674	6,445,000	-	-	-	-	-	11,381,674
92694	Substation 25kV Capacity Upgrades	4,030,000	-	-	-	-	-	-	4,030,000
92695	Downtown Redevelopment	650,000	1,725,000	840,000	-	-	-	-	3,215,000
92730	Cooke Facility Remodel	-	205,000	-	-	-	-	1,115,000	1,320,000
2021070	Overhead/Underground Training Facility	-	-	-	-	390,000	-	-	390,000
2021071	Distribution Equipment SCADA integration	-	-	-	-	2,785,000	1,140,000	-	3,925,000
	<b>ANNUAL PROJECTS</b>								
92683	FY 2020-23 Service Distribution Meters	226,000	235,000	275,000	310,000	320,000	330,000	340,000	2,036,000
92684	FY 2020-23 Distribution Transformers	3,500,000	2,200,000	2,950,000	3,100,000	3,250,000	3,400,000	3,550,000	21,950,000
92685	FY 2020-23 Distribution System Upgrade	5,625,000	2,250,000	2,275,000	3,000,000	3,280,000	2,655,000	2,150,000	21,235,000
92686	FY 2020-23 Overhead Lines	2,424,000	2,424,000	2,665,000	2,935,000	3,200,000	3,520,000	3,870,000	21,038,000
92687	FY 2020-23 Street Lights	484,600	550,000	565,000	585,000	600,000	620,000	640,000	4,044,600
92688	FY 2020-23 Underground Distribution	2,876,500	2,965,500	3,050,000	3,145,000	3,240,000	3,335,000	3,430,000	22,042,000
	<b>DISPATCH/GIS/SCADA</b>								
8625	Field Asset Inventory & Data Verification	2,350,862	-	-	-	-	-	-	2,350,862
92537	GIS Software Upgrades and Interfaces	1,765,000	420,000	-	-	-	-	-	2,185,000
92605	Operations System Upgrades	815,000	300,000	230,000	-	-	-	-	1,345,000
92634	LP&L - GIS Office Renovations	1,115,000	-	-	-	-	-	-	1,115,000

# Lubbock Power and Light Utility

# Appropriation Summary

	Project Name	Appropriation to Date	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	Total Appropriation
	<b>Production</b>								
92436	Cooke Station Gas Turbine #3 (GT3) Control System Replacement	\$ -	900,000	-	-	-	-	-	900,000
	<b>OTHER</b>								
92457	Customer Service Information and Workforce Management Systems	34,685,000	-	-	-	-	-	-	34,685,000
92689	ERCOT Transmission/Distribution Service Provider System	1,500,000	7,365,000	4,590,000	-	-	-	-	13,455,000
92690	East Broadway Series Street Light Conversion	420,000	300,000	-	-	-	-	-	720,000
92691	FY 2020-21 Vehicles and Equipment	2,667,500	-	-	-	-	-	-	2,667,500
92692	FY 2020-21 Transmission Crew Vehicles & Equipment	2,150,000	-	-	-	-	-	-	2,150,000
92733	DNV-GL Cascade Upgrades	-	250,000	-	-	-	-	-	250,000
92734	Additional COLU Phone Lines	-	202,246	-	-	-	-	-	202,246
92735	FY 2021-22 Vehicles and Equipment	-	2,625,000	2,110,000	2,180,000	2,230,000	2,280,000	2,330,000	13,755,000
2020016	Substation Building	-	-	-	-	-	1,170,000	-	1,170,000
2020029	Street Light LED Conversion	-	-	4,460,000	4,660,000	4,865,000	-	-	13,985,000
<b>Total</b>	<b>Lubbock Power and Light Utility</b>	<b>\$ 396,643,539</b>	<b>61,296,746</b>	<b>30,975,000</b>	<b>28,780,000</b>	<b>41,420,000</b>	<b>39,220,000</b>	<b>44,925,000</b>	<b>643,260,285</b>



# Lubbock Power and Light

# FERC Category Summary

FERC Category	Appropriation to Date	2021-22	Unappropriated Planning Years					Total Appropriation
			2022-23	2023-24	2024-25	2025-26	2026-27	
Regional/General	\$ 39,272,500	10,742,246	11,160,000	6,840,000	7,095,000	2,280,000	2,330,000	79,719,746
Distribution	33,461,974	47,934,500	18,520,000	14,060,000	20,520,000	26,425,000	26,650,000	187,571,474
Production	-	900,000	-	-	-	-	-	900,000
T&D	21,755,862	720,000	230,000	-	-	-	-	22,705,862
Transmission	302,153,203	1,000,000	1,065,000	7,880,000	13,805,000	10,515,000	15,945,000	352,363,203
	\$ 396,643,539	61,296,746	30,975,000	28,780,000	41,420,000	39,220,000	44,925,000	643,260,285

# Lubbock Power and Light

# Funding Summary

Funding Source	Funding to Date	2021-22	Unappropriated Planning Years					Total Funding	
			2022-23	2023-24	2024-25	2025-26	2026-27		
PAY-AS-YOU-GO									
FY 2014 LP&L Pay-As-You-Go	\$ 250,000	-	-	-	-	-	-	250,000	
FY 2016 LP&L Pay-As-You-Go	204,200	-	-	-	-	-	-	204,200	
FY 2017 LP&L Pay-As-You-Go	500,000	-	-	-	-	-	-	500,000	
FY 2018 LP&L Pay-As-You-Go	1,585,000	-	-	-	-	-	-	1,585,000	
FY 2019 LP&L Pay-As-You-Go	1,730,000	1,038,099	-	-	-	-	-	2,768,099	
FY 2020 LP&L Pay-As-You-Go	670,000	1,183,916	-	-	-	-	-	1,853,916	
FY 2021 LP&L Pay-As-You-Go	19,623,600	-	-	-	-	-	-	19,623,600	
FY 2022 LP&L Pay-As-You-Go	-	20,969,731	-	-	-	-	-	20,969,731	
FY 2023 LP&L Pay-As-You-Go	-	-	23,170,000	-	-	-	-	23,170,000	
FY 2024 LP&L Pay-As-You-Go	-	-	-	20,615,000	-	-	-	20,615,000	
FY 2025 LP&L Pay-As-You-Go	-	-	-	-	24,160,000	-	-	24,160,000	
FY 2026 LP&L Pay-As-You-Go	-	-	-	-	-	18,450,000	-	18,450,000	
FY 2027 LP&L Pay-As-You-Go	-	-	-	-	-	-	17,425,000	17,425,000	
Total Pay-As-You-Go	\$ 24,562,800	23,191,746	23,170,000	20,615,000	24,160,000	18,450,000	17,425,000	151,574,546	
10-YEAR LP&L REVENUE BONDS									
FY 2014 10-Year LP&L Revenue Bonds	\$ 612	-	-	-	-	-	-	612	
FY 2016 10-Year LP&L Revenue Bonds	1,156,161	-	-	-	-	-	-	1,156,161	
FY 2017 10-Year LP&L Revenue Bonds	3,245,000	-	-	-	-	-	-	3,245,000	
FY 2018 10-Year LP&L Revenue Bonds	35,349,089	-	-	-	-	-	-	35,349,089	
Total 10-Year LP&L Revenue Bonds	\$ 39,750,862	-	-	-	-	-	-	39,750,862	

# Lubbock Power and Light

# Funding Summary

Funding Source	Funding to Date	2021-22	Unappropriated Planning Years					Total Funding	
			2022-23	2023-24	2024-25	2025-26	2026-27		
20-YEAR LP&L REVENUE BONDS									
FY 2014 20-Year LP&L Revenue Bonds	\$	719,448	43,289	-	-	-	-	-	762,737
FY 2015 20-Year LP&L Revenue Bonds		334,739	-	-	-	-	-	-	334,739
FY 2016 20-Year LP&L Revenue Bonds		400,000	304,222	-	-	-	-	-	704,222
FY 2017 20-Year LP&L Revenue Bonds		16,449	-	-	-	-	-	-	16,449
FY 2018 20-Year LP&L Revenue Bonds		1,085,225	-	-	-	-	-	-	1,085,225
FY 2021 20-Year LP&L Revenue Bonds		29,470,813	-	-	-	-	-	-	29,470,813
FY 2024 20-Year LP&L Revenue Bonds		-	-	-	285,000	-	-	-	285,000
FY 2025 20-Year LP&L Revenue Bonds		-	-	-	-	3,455,000	-	-	3,455,000
FY 2026 20-Year LP&L Revenue Bonds		-	-	-	-	-	10,255,000	-	10,255,000
FY 2027 20-Year LP&L Revenue Bonds		-	-	-	-	-	-	11,555,000	11,555,000
Total 20-Year LP&L Revenue Bonds	\$	32,026,674	347,511	-	285,000	3,455,000	10,255,000	11,555,000	57,924,185
30-YEAR LP&L REVENUE BONDS									
FY 2016 30-Year LP&L Revenue Bonds	\$	1,245,000	-	-	-	-	-	-	1,245,000
FY 2017 30-Year LP&L Revenue Bonds		10,425,043	-	-	-	-	-	-	10,425,043
FY 2018 30-Year LP&L Revenue Bonds		36,075,391	96,762	-	-	-	-	-	36,172,153
FY 2021 30-Year LP&L Revenue Bonds		252,557,769	-	-	-	-	-	-	252,557,769
FY 2024 30-Year LP&L Revenue Bonds		-	-	-	7,880,000	-	-	-	7,880,000
FY 2025 30-Year LP&L Revenue Bonds		-	-	-	-	13,805,000	-	-	13,805,000
FY 2026 30-Year LP&L Revenue Bonds		-	-	-	-	-	10,515,000	-	10,515,000
FY 2027 30-Year LP&L Revenue Bonds		-	-	-	-	-	-	15,945,000	15,945,000
Total 30-Year LP&L Revenue Bonds	\$	300,303,203	96,762	-	7,880,000	13,805,000	10,515,000	15,945,000	348,544,965
20-YEAR REVOLVING NOTE PROGRAM									
20-Year Revolving Note Program	\$	-	34,012,489	840,000	-	-	-	-	34,852,489
Total 20-Year Revolving Note Program	\$	-	34,012,489	840,000	-	-	-	-	34,852,489
30-YEAR REVOLVING NOTE PROGRAM									
30-Year Revolving Note Program	\$	-	3,648,238	6,965,000	-	-	-	-	10,613,238
Total 30-Year Revolving Note Program	\$	-	3,648,238	6,965,000	-	-	-	-	10,613,238
Lubbock Power and Light									
	\$	396,643,539	61,296,746	30,975,000	28,780,000	41,420,000	39,220,000	44,925,000	643,260,285

Managing Department **7711-Regional Market Admin & Compliance**Project Manager **Jeff Baker**Project Classification **Master Plans/Studies**Project Status **Approved***Project Scope*

Acquisition and verification of all Geographic Information System (GIS)-required outside plant data, utilizing both in-house personnel and external contractors. Acquisition of equipment, software and training to effectively execute the project.

*Project Justification*

The LP&L GIS is the system of record for the LP&L distribution system and is made up of two parts – the data representing LP&L's infrastructure and the software used to view and maintain this data. With approximately 3,000 edits per week, the LP&L GIS represents an electrical distribution system in a constant state of transformation and growth. Due to multiple data sets from LP&L and Xcel, and inaccuracies as a result, GIS operations must work in a constant state of reactive behavior in response to problems caused by inaccurate data. The fiber communication needs to be verified and documented. The productivity of both the Engineering and Operations Departments is negatively affected as a result. LP&L is making substantial investments in new software systems that will depend on accurate data for processing and analysis. The goal of this project is to ensure that the GIS data and fiber is worthy of these new systems and can be relied upon by everyone who depends on this information.

FERC Accounts: 383

Estimated Useful Life: 10 years

*Project History*

\$2,650,862 was appropriated in the FY 2017-18 Budget, Ord. No. 2017-O0111, October 1, 2017.

Decreased \$300,000 in the Appropriation-To-Date in the FY 2020-21 Budget.

Appropriation Detail	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Technology	2,350,862	0	0	0	0	0	0	2,350,862
<b>Total Project Appropriation</b>	<b>2,350,862</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,350,862</b>

Funding Detail	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2014 10-Year LP&L Revenue Bonds	612	0	0	0	0	0	0	612
FY 2016 10-Year LP&L Revenue Bonds	250	0	0	0	0	0	0	250
FY 2018 10-Year LP&L Revenue Bonds	2,350,000	0	0	0	0	0	0	2,350,000
<b>Total Funding Sources</b>	<b>2,350,862</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,350,862</b>

Managing Department **7411-Distribution Supervision & Engineering**Project Manager **Luke Miller**Project Classification **Master Plans/Studies**Project Status **Approved***Project Scope*

Perform a near-term and long-term planning assessment of the entire distribution system. The project will consist of collecting data, performing engineering calculations to model the system, performing analyses on all substations and feeders, and creating a near and long term plan for both the LP&L distribution system and the purchased Xcel/SPS distribution system. This project includes the estimated engineering and contract cost associated with performing this assessment.

*Project Justification*

Examination of the existing state of the distribution grid substantiates the necessity for the planning assessments of the LP&L power distribution grid. Studies need to be performed, such as reactive resources, system stability, automation, load balancing, voltage control, and power quality. As the grid continues to grow, planning must be one-step ahead to strengthen the reliability and operations of the LP&L grid.

FERC Accounts: 588.13

Estimated Useful Life: 10

*Project History*

\$345,000 was appropriated in the FY 2017-18 Budget, Ord. No. 2017-00111, October 1, 2017.

August 15, 2018 Reduced \$250,000 FY 2018 LP&L Cash and moved to 92529 FY 2017-18 Underground Distribution.

\$355,000 was appropriated in the FY 2018-19 Budget, Ord. No. 2018-00109, October 1, 2018.

\$230,000 was appropriated in the FY 2019-20 Budget, Ord. No. 2019-00129, October 1, 2019.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Other Activities	680,000	0	0	0	0	0	0	680,000
<b>Total Project Appropriation</b>	680,000	0	0	0	0	0	0	680,000

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2018 LP&L Cash	95,000	0	0	0	0	0	0	95,000
FY 2019 LP&L Cash	355,000	0	0	0	0	0	0	355,000
FY 2020 LP&L Cash	230,000	0	0	0	0	0	0	230,000
<b>Total Funding Sources</b>	680,000	0	0	0	0	0	0	680,000



*Managing Department*      **7418-Transmission Supervision & Engineering**

*Project Manager*            **Lee Roy Martinez**

*Project Classification*      **Infrastructure Improvements**

*Project Status*                **Approved**



#### *Project Scope*

Install optical ground wire (OPGW) and All-Dielectric Self Supporting (ADSS) cable on existing transmission and distribution lines. The OPGW will directly replace the existing static/neutral conductor on the transmission lines, and upgrade Skywrap to OPGW and 24 count fiber to 96 count fiber. The ADSS will connect existing substations that do not currently have fiber capabilities.

ADSS is a self supporting cable that is ideal for installation on distribution as well as transmission lines with the added benefit of containing fibers which can be used for telecommunications purposes.

OPGW is a dual functioning conductor/cable, meaning it serves two purposes. It is designed to replace traditional static/shield/earth wires on overhead transmission lines with the added benefit of containing optical fibers which can be used for telecommunications purposes.

The Project will include the engineering analysis, facilities audit, design, materials and construction costs for the installation in and out of the substations. The engineering analysis includes a pole loading analysis to verify the existing pole designs before the installation of OPGW/ADSS. The fiber analysis and testing will be done to verify the integrity of the fiber. The materials include the OPGW/ADSS conductors, steel poles and foundations, and all fiber equipment and hardware required to terminate, test and route fiber into the control building at each substation location.

#### *Project Justification*

The installation of this fiber will facilitate communication for LP&L by connecting substations via fiber. The new fiber will create new communication channels for the following: Supervisory Control and Data Acquisition (SCADA) communication between the substation Remote Terminal Unit (RTU) and the master station in the control room, communication between protective relays on the transmission lines, and redundant communication channels for a Token Ring fiber network by absorbing these substations. Upgrading all Skywrap and 24 fiber counts to 96 fiber counts will enable LP&L to effectively communicate with each substation for compliance and provide maximum redundancy in the event of fiber loss/damage.

#### *Project History*

\$250,000 was appropriated in the FY 2013-14 Budget, Ord. No. 2013-00087, September 10, 2013.

\$155,000 was appropriated in the FY 2016-17 Budget, Ord. No. 2016-00135, September 8, 2016.

\$1,195,000 was appropriated in the FY 2017-18 Budget, Ord. No. 2017-00111, October 1, 2017.

BCR No. 1718-08 decreased 2018 Electric Light & System Revenue Bonds by \$344,694.58; Reallocated 2017 Electric Light & System Revenue Bonds, Series 2017 by \$344,694.58.

\$1,000,000 was appropriated in the FY 2021-22 Budget, Ord. No. 2021-00126, October 1, 2021.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	1,600,000	800,000	865,000	890,000	1,142,500	875,625	671,719	6,844,844
Design and Engineering	0	200,000	200,000	200,000	112,500	84,375	63,281	860,156
<b>Total Project Appropriation</b>	<b>1,600,000</b>	<b>1,000,000</b>	<b>1,065,000</b>	<b>1,090,000</b>	<b>1,255,000</b>	<b>960,000</b>	<b>735,000</b>	<b>7,705,000</b>

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2014 LP&L Cash	250,000	0	0	0	0	0	0	250,000
FY 2017 30-Year LP&L Revenue Bonds	499,695	0	0	0	0	0	0	499,695
FY 2018 30-Year LP&L Revenue Bonds	850,305	96,762	0	0	0	0	0	947,067
FY 2024 30-Year LP&L Revenue Bonds	0	0	0	1,090,000	0	0	0	1,090,000
FY 2025 30-Year LP&L Revenue Bonds	0	0	0	0	1,255,000	0	0	1,255,000
FY 2026 30-Year LP&L Revenue Bonds	0	0	0	0	0	960,000	0	960,000
FY 2027 30-Year LP&L Revenue Bonds	0	0	0	0	0	0	735,000	735,000
LP&L 30-Year Revolving Note Program	0	903,238	1,065,000	0	0	0	0	1,968,238
<b>Total Funding Sources</b>	1,600,000	1,000,000	1,065,000	1,090,000	1,255,000	960,000	735,000	7,705,000

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	0	0	0	0	0	0	0

*Managing Department*      **7411-Distribution Supervision & Engineering**

*Project Manager*            **Jubal Mann**

*Project Classification*      **Infrastructure Improvements**

*Project Status*                **Approved**



*Project Scope*

Construct six (6) new distribution feeders exiting the Northwest Substation.

*Project Justification*

The Northwest Substation was built and energized in 2008; however, only two (2) distribution feeders were constructed for this eight (8) circuit substation. New feeders must be built to keep up with growing electrical load in northwest Lubbock.

FERC Accounts: 361, 364, 365, 366, 367, 368

Estimated Useful Life: 30 years

*Project History*

\$200,000 was appropriated in the FY 2014-15 Budget, Ord. No. 2014-00122, September 11, 2014.

\$204,200 was appropriated in the FY 2015-16 Budget, Ord. No. 2015-00094, September 10, 2015.

\$205,000 was appropriated in the FY 2016-17 Budget, Ord. No. 2016-00135, September 8, 2016.

\$240,000 was appropriated in the FY 2017-18 Budget, Ord. No. 2017-00111, October 1, 2017.

\$250,000 was appropriated in the FY 2018-19 Budget, Ord. No. 2018-00109, October 1, 2018.

\$285,000 was appropriated in FY 2019-20, BCR# 1920-03, November 1, 2019.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	1,384,200	0	0	285,000	295,000	0	0	1,964,200
<b>Total Project Appropriation</b>	1,384,200	0	0	285,000	295,000	0	0	1,964,200

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2014 LP&L Revenue Bonds	205,000	0	0	0	0	0	0	205,000
FY 2015 LP&L Revenue Bonds	200,000	0	0	0	0	0	0	200,000
FY 2016 LP&L Cash	204,200	0	0	0	0	0	0	204,200
FY 2018 LP&L Cash	240,000	0	0	0	0	0	0	240,000
FY 2019 LP&L Cash	250,000	0	0	0	0	0	0	250,000
FY 2021 20-Year LP&L Revenue Bonds	285,000	0	0	0	0	0	0	285,000
FY 2024 20-Year LP&L Revenue Bonds	0	0	0	285,000	0	0	0	285,000
FY 2025 20-Year LP&L Revenue Bonds	0	0	0	0	295,000	0	0	295,000
<b>Total Funding Sources</b>	1,384,200	0	0	285,000	295,000	0	0	1,964,200

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	0	0	0	0	0	0	0

*Managing Department*      **7611-Transmission Supervision & Engineering**

*Project Manager*            **Luke Miller**

*Project Classification*      **Replacement Infrastructure**

*Project Status*                **Approved**



#### *Project Scope*

Rebuild 1.25 miles of a 69kV transmission line from the Thompson Substation to the Vicksburg Substation. The transmission line is primarily constructed of 70-75 foot wood poles and has single-circuit or double-circuit distribution under-build for most of the line. The new transmission line will be 959.6 aluminum conductor steel supported trapezoidal wire (ACSS/TW) with an optical ground wire (OPGW) static neutral wire, however the final determination of the conductor is subject to change based on engineering analyses. The line will be re-insulated for 115kV, and is a design change that does not affect the operation of the line. Near Vicksburg Substation, the Thompson to Vicksburg line will be swapped with the Vicksburg to Mcullough transmission line. This will require a new deadend structure to cross the new line position across Highway 82.

Rebuild is a term used when a line has to be replaced, completely torn down, and rebuilt. A rebuild job is different from a reconductor job, a re-conductor job only involves taking down the wires and hardware and replacing them with new hardware and larger wires. Installing a larger wire/conductor also lowers or decreases the resistance of the transmission line.

The project includes the estimated engineering, material, and construction costs associated with rebuilding the transmission line. While only a portion of the line will be rebuilt, the static neutral wire will be upgraded and replaced for the entire line length of 2.58 miles.

#### *Project Justification*

The existing 477 Aluminum Conductor Steel Reinforced (ACSR) 69kV transmission line has exceeded its life expectancy as it was built in the 1960s. This is also a high impedance line restricting the power flow in the transmission system thus putting adjacent lines in danger of exceeding their capacity during emergency (N-1) conditions. The new transmission line is required to be insulated for 115kV in order to tie into the Electric Reliability Council of Texas (ERCOT) power grid.

FERC Accounts: 350, 355, 356

Estimated Useful Life: 30 years

#### *Project History*

\$750,000 was appropriated in the FY 2015-16 Budget, Ord. No. 2015-O0094, September 10, 2015.

Reduced funding by \$630,000 in FY 2015-16 Budget Amendment No. 19, Ord. No. 2016-O0057, April 28, 2016.

\$980,000 was appropriated in the FY 2016-17 Budget, Ord. No. 2016-O0135, September 8, 2016.

Reduced funding by \$250,000 in FY 2016-17 Budget Amendment No. 28, Ord. No. 2017-O0058, May 25, 2017.

\$1,030,000 was appropriated in the FY 2017-18 Budget, Ord. No. 2017-O0111, October 1, 2017.

BCR 1718-08 increased appropriation by \$500,000 on 8/15/18 from the issuance of 30-year Electric Light & System Revenue Bonds, Series 2018.

\$615,000 was appropriated in the FY 2018-19 Budget, Ord. No. 2018-O0109, October 1, 2018.

\$430,000 was appropriated in FY 2018-19, BCR# 1819-09, March 4, 2019.

\$750,000 was appropriated in FY 2019-20, BCR# 1920-8, June 3, 2020.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	4,055,000	0	0	0	0	0	0	4,055,000
Design and Engineering	120,000	0	0	0	0	0	0	120,000
<b>Total Project Appropriation</b>	<b>4,175,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,175,000</b>

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2016 30-Year LP&L Revenue Bonds	120,000	0	0	0	0	0	0	120,000
FY 2017 30-Year LP&L Revenue Bonds	730,000	0	0	0	0	0	0	730,000
FY 2018 30-Year LP&L Revenue Bonds	1,530,000	0	0	0	0	0	0	1,530,000
FY 2021 30-Year LP&L Revenue Bonds	1,795,000	0	0	0	0	0	0	1,795,000
<b>Total Funding Sources</b>	<b>4,175,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,175,000</b>

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

*Managing Department* **7611-Transmission Supervision & Engineering***Project Manager* **Luke Miller***Project Classification* **New Facility***Project Status* **Approved***Project Scope*

Construct a new 115kV transmission line, approximately 10 miles in length, from the Northwest Substation to a new Yellow House Canyon Substation and then to Mackenzie Substation. The transmission line conductor is planned to be 959.6 aluminum conductor steel supported thermal wire (ACSS/TW) with an optical ground wire (OPGW) static neutral wire. However, the final determination of the conductor is subject to change based on the engineering analyses of the physical construction. The primary factor to consider is the percent loading of the line and the effective sag it has on the line. The transmission line total cost per mile will be approximately \$1.79 million. The project includes the estimated engineering, ROW acquisition, material, and construction cost associated with constructing the transmission line.

*Project Justification*

The existing topology of the transmission system shows an open loop on the North side of Lubbock. This decreases the reliability for the LP&L transmission system, specifically in the case of an emergency (N-1) condition. The new 10 miles of transmission line will connect the East side of the Lubbock transmission system to the West and effectively close the open loop on the North side of Lubbock while drastically improving the reliability of the transmission system. Additionally, the transmission line segment between Northwest Substation and Mackenzie Substation will be utilized to connect to the Electric Reliability Council of Texas (ERCOT) 345 kV transmission power grid.

FERC Accounts: 350, 355, 356

Estimated Useful Life: 30 years

*Project History*

\$5.0 million was appropriated in the FY 2015-16 Budget, Ord. No. 2015-O0094, September 10, 2015.

Reduced funding by \$4,250,000 in FY 2015-16, Budget Amendment No. 19, Ord. No. 2016-O0057, April 28, 2016.

\$15,250,000 was appropriated in the FY 2016-17 Budget, Ord. No. 2016-O0135, September 8, 2016.

Reduced funding by \$13,355,000 in FY 2016-17 Budget Amendment No. 28, Ord. No. 2017-O0058, May 25, 2017.

\$9,530,000 was appropriated in the FY 2017-18 Budget, Ord. No. 2017-O0111, October 1, 2017.

Reduced appropriation by \$2,660,000 per BCR 1718-08 on 8/15/18 with issuance of 30-year Electric Light & System Revenue Bonds, Series 2018.

\$1,090,000 was appropriated in the FY 2018-19 Budget, Ord. No. 2018-O0109, October 1, 2018.

\$4,621,715 was appropriated per BCR 1819-05. February 5, 2019.

\$2,637,532 was appropriated in FY 2019-20, BCR# 1920-03, November 1, 2019.

\$100,000 was appropriated in FY 2020-21, BCR# 2021-3, November 24, 2020.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	17,214,247	0	0	0	0	0	0	17,214,247
Design and Engineering	750,000	0	0	0	0	0	0	750,000
<b>Total Project Appropriation</b>	<b>17,964,247</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17,964,247</b>

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2016 30-Year LP&L Revenue Bonds	750,000	0	0	0	0	0	0	750,000
FY 2017 30-Year LP&L Revenue Bonds	2,087,913	0	0	0	0	0	0	2,087,913
FY 2018 30-Year LP&L Revenue Bonds	8,070,000	0	0	0	0	0	0	8,070,000
FY 2021 30-Year LP&L Revenue Bonds	7,056,334	0	0	0	0	0	0	7,056,334
<b>Total Funding Sources</b>	17,964,247	0	0	0	0	0	0	17,964,247

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	0	0	0	0	0	0	0



*Managing Department* **7611-Transmission Supervision & Engineering***Project Manager* **Luke Miller***Project Classification* **Replacement Infrastructure***Project Status* **Approved***Project Scope*

Rebuild 2.2 miles of a 69kV transmission line from the Chalker Substation to the Thompson Substation. The transmission line is primarily constructed of 70-75 foot wood poles and has single-circuit or double-circuit distribution under-build for most of the line. The new transmission line will be 959.6 aluminum conductor steel supported trapezoidal wire (ACSS/TW) with an optical ground wire (OPGW) static neutral wire, however the final determination of the conductor is subject to change based on engineering analyses. The line will be re-insulated for 115kV, and is a design change that does not affect the operation of the line.

Rebuilding is a term used when a line has to be replaced, completely torn down, and rebuilt. A rebuild job is different from a re-conductor job, a re-conductor job only involves taking down the wires and hardware and replacing them with new hardware and larger wires. Installing a larger wire / conductor also lowers or decreases the resistance of the transmission line.

The project includes the estimated engineering, material, and construction cost associated with rebuilding the transmission line. The static neutral wire will also be upgraded and replaced for the entire line length of 2.2 miles.

*Project Justification*

The existing 477 Aluminum Conductor Steel Reinforced (ACSR) 69kV transmission line has exceeded its life expectancy as it was built in the 1960s. This is also a high impedance line restricting the power flow in the transmission system thus putting adjacent lines in danger of exceeding their capacity during emergency (N-1) conditions. The new transmission line is required to be insulated for 115 kV in order to tie into the Electric Reliability Council of Texas (ERCOT) power grid.

FERC Accounts: 355, 355, 356

Estimated Useful Life: 30 years

*Project History*

\$1.5 million was appropriated in the FY 2015-16 Budget, Ord. No. 2015-O0094, September 10, 2015.

Reduced funding by \$1,275,000 in FY 2015-16, Budget Amendment No. 19, Ord. No. 2016-O0057, April 28, 2016.

\$1,575,000 was appropriated in the FY 2016-17 Budget, Ord. No. 2016-O0135, September 8, 2016.

Reduced funding by \$765,000 in FY 2016-17 Budget Amendment No. 28, Ord. No. 2017-O0058, May 25, 2017.

\$1,620,000 was appropriated in the FY 2017-18 Budget, Ord. No. 2017-O0111, October 1, 2017.

Increased appropriation by \$1,770,000 per BCR 1718-08 on 8/15/18 with issuance of 30-year Electric Light & System Revenue Bonds, Series 2018.

\$1,450,000 was appropriated in FY 2019-20, BCR# 1920-03, November 1, 2019.

Decreased \$105,000 in the Appropriation-To-Date in the FY 2020-21 Budget.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	5,545,000	0	0	0	0	0	0	5,545,000
Design and Engineering	225,000	0	0	0	0	0	0	225,000
<b>Total Project Appropriation</b>	<b>5,770,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,770,000</b>

Funding Detail	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2016 30-Year LP&L Revenue Bonds	225,000	0	0	0	0	0	0	225,000
FY 2017 30-Year LP&L Revenue Bonds	810,000	0	0	0	0	0	0	810,000
FY 2018 30-Year LP&L Revenue Bonds	3,390,000	0	0	0	0	0	0	3,390,000
FY 2021 30-Year LP&L Revenue Bonds	1,345,000	0	0	0	0	0	0	1,345,000
<b>Total Funding Sources</b>	<b>5,770,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,770,000</b>

Operating Budget Impact	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

*Managing Department*      **7611-Transmission Supervision & Engineering**

*Project Manager*            **Luke Miller**

*Project Classification*      **Infrastructure Improvements**

*Project Status*                **Approved**



#### *Project Scope*

Connect the existing 230/69kV auto transformer to the existing 69kV and 230kV buses, upgrade the existing relay protection, replace the Supervisory Control and data Acquisition (SCADA) Remote Terminal Unit (RTU), and install a second set of substation batteries and battery charger.

This substation was previously insulated at 115kV, and is operated at 69kV. The existing relay protection includes: one existing autotransformer, one existing 230kV transmission line, four existing 69/115kV transmission lines, and one 69/115kV substation bus.

This project includes the engineering, material, and construction costs associated with installing the auto transformer, relay protection panels, circuit breakers, batteries, and RTU.

#### *Project Justification*

The installation of this autotransformer is needed to increase the reliability and capacity of the transmission system. This installation also increases the power import capacity at Southeast Substation.

Relay protection for autotransformers, transmission lines, and busses is required to implement the new LP&L standard design for a fully integrated substation protection package. This protection is designed to quickly isolate faulted parts of the transmission system in order to protect the equipment, protect the unaffected system, and to improve the reliability of the transmission network. The relay protection includes primary and backup protection for all protection areas/schemes.

New LP&L relay protection standards require dual trip coil circuit breakers, such that if one trip coil fails then the second trip coil operates and trips the breaker. A second trip coil in each breaker is required to reduce the probability of a breaker failure event. A breaker failure at this substation would essentially de-energize the entire substation and interrupt power flow into the LP&L system from Xcel to the connecting substations, and power flow to all customers connected to the Southeast Substation.

The installation of a second battery bank and charger will provide redundant direct current (DC) voltage sources to the relay protection throughout the substation. This will allow the primary protection to operate on preferred DC system (Primary) and the backup protection to operate on the back DC system (Secondary / Backup). This will eliminate a single point failure on the DC system.

The existing RTU cannot be upgraded, does not support the new communication protocol, and does not support the number of points required for the new equipment being installed. On an RTU, a point can be a hardwired connection or a software connection. The point can be any of three types; analog (amps, volts, watts, etc), status (alarms, open / closed indications, etc), or control (open, close, ON, OFF, etc) points. The new relays will also reduce and at times eliminate the need for hardwired connections to analog transducers and relay control boards.

FERC Accounts: 352, 353

Estimated Useful Life: 30 years

*Project History*

\$1.0 million was appropriated in the FY 2015-16 Budget, Ord. No. 2015-O0094, September 10, 2015.

Reduced funding by \$850,00 in FY 2015-16, Budget Amendment No. 19, Ord. No. 2016-O0057, April 28, 2016.

\$850,000 was appropriated in the FY 2016-17 Budget, Ord. No. 2016-O0135, September 8, 2016.

\$720,000 was appropriated in the FY 2017-18 Budget, Ord. No. 2017-O0111, October 1, 2017.

\$1,110,000 was appropriated in the FY 2018-19 Budget, Ord. No. 2018-O0109, October 1, 2018.

\$1,500,000 was appropriated in FY 2018-19 Budget Amendment No. 7, Ord. No 2019-O0012, February 12, 2019.

\$75,000 was appropriated in FY 2019-20, BCR# 1920-03, November 1, 2019.

Reduced appropriation by \$1,300,000 in FY 2020-21, BCR# 2021-03, November 24, 2020.

Reduced appropriation by \$150,000 in FY 2020-21, BCR# 2021-08, March 22, 2021.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	2,805,000	0	0	0	0	0	0	2,805,000
Design and Engineering	150,000	0	0	0	0	0	0	150,000
<b>Total Project Appropriation</b>	2,955,000	0	0	0	0	0	0	2,955,000

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2016 30-Year LP&L Revenue Bonds	150,000	0	0	0	0	0	0	150,000
FY 2017 30-Year LP&L Revenue Bonds	850,000	0	0	0	0	0	0	850,000
FY 2018 30-Year LP&L Revenue Bonds	720,000	0	0	0	0	0	0	720,000
FY 2021 30-Year LP&L Revenue Bonds	1,235,000	0	0	0	0	0	0	1,235,000
<b>Total Funding Sources</b>	2,955,000	0	0	0	0	0	0	2,955,000

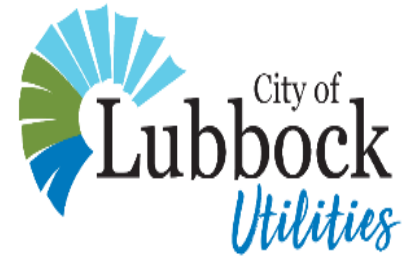
<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	0	0	0	0	0	0	0

*Managing Department*      **7711-Regional Market Admin & Compliance**

*Project Manager*            **Jamie Wood**

*Project Classification*      **Administrative**

*Project Status*                **Approved**



#### *Project Scope*

The Customer Service Information Systems (CSIS) will integrate technologies and innovative services such as advanced meters, communication networks, and data management systems that produce a more efficient, sustainable, economic, and secure supply of utility services.

The following are key components of CSIS:

- Secure, Integrated Communication Network
- Advanced Metering Infrastructure (AMI)
- Meter Data Management System (MDMS)
- Customer Smart Choice Programs
- Opt Out
- Mobile Workforce Management (MWFM)

#### *Secure, Integrated Communication Network*

Advanced communication and information systems enable high-speed controls necessary to manage customer data on a high capacity, secure communication network.

#### *Advanced Metering Infrastructure (AMI)*

AMI enables two-way communication between utilities and customers. Additional communication past the meter, into the home, is an additional functionality that will not be implemented.

With advanced two-way communication, these meters offer near real-time reads, power outage notification, and power quality monitoring. Meter reading is performed over the network automatically or on demand, eliminating complaints regarding meter reader intrusion, dog bites, and exposure to accidents. Advanced meters provide better accuracy of meter data by eliminating visual meter reading errors as well as superior electric service theft detection and reduced revenue loss from theft. Residential advanced meters include a remote operated on/off switch allowing LP&L the ability to remotely turn electric service on or off, providing faster service connections and reduced truck rolls.

#### *Customer Information System/Meter Data Management System*

The project incorporates a significant investment in information technology such as a meter data management system (MDMS) and a modernized, robust, customer information system (CIS). There is a need to upgrade the current aging infrastructure that includes various systems and equipment that are nearing the end of their lifecycle. This project includes the cost of a new or upgraded CIS to replace LP&L's existing increasingly outdated and inadequate billing system. The sheer volume of data that will be generated by the CSIS components is beyond the capability of the current CIS. In addition to a modernized CIS, a MDMS will also be required. The MDMS is technology that allows meter data to communicate across the utility, to be used for information in billing, customer service, outage, and load management. Access to meter data via remote meter reading and on/off service switches improve LP&L's ability to address customer questions and troubleshoot concerns. Service can be turned on or off within minutes of issuing the order. Customer questions or complaints can be resolved during the initial phone call without requiring the need to dispatch field personnel. When customers move out of their residence, service can be disconnected promptly minimizing lost revenues by reducing the time to implement a field order. When customers request new service, it can be started just as quickly. LP&L can review meter data to understand and then educate customers as to why their bills may have changed over a given time period. The increased level of customer services will aid in improving overall customer satisfaction.

The CIS and MDMS, working together, will provide customer account management and billing services for the utility. This includes meter information, billing rates, historical consumption, and associated charges. The CIS and MDMS are used extensively by customer

service personnel in communicating with customers and resolving customer concerns and issues. In addition to electric services, the CIS provides billing for Water, Solid Waste, Storm Water, Wastewater, and Landfill. Combining the implementation of the CIS and the MDMS will offer a reduced risk of implementation failure, overall implementation time, and implementation costs.

#### Mobile Workforce Management System

The new mobile workforce management system (MWFM) will allow LP&L to effectively manage our mobile workforce and provide superior customer service while enhancing productivity and reducing costs. The system will provide accurate and efficient field resource forecasting, scheduling, dispatching, and communication.

The existing MWFM, ViryaNet, was purchased in 2004 as part of the GE Outage Management System and failed in 2017, leaving our mobile workforce in a paper-only environment. The ability to have real-time communication with our customers cannot occur without the MWFM. The paper-only option requires manual processes resulting in communication delays and costly and labor intensive processes. The lack of an MWFM impacts productivity in several areas including, but not limited to, field staff, their support staff and customer service staff.

The MWFM has the capability to generate service orders, interfaces with the billing system, and sends information from a service order to the field staff. This interface provides information to field technicians such as meter information (type of meter, meter number, meter location) and latest meter reading. It provides a direct link between field technicians and customer service staff in both the electric and water departments. This system will allow customer service staff to give direction to field technicians related to work requested by customers and will allow field staff to provide findings that have been observed or conducted in the field to customer service staff. A main benefit of this system is the flow of communication that allows customer service staff to immediately follow up with a customer once the work is complete.

#### Opt Out

An Opt Out program is in place as part of LP&L's CSIS project. Understanding the importance of personal choice, it is vital that we allow for single family residential customers to be offered the option to Opt-Out. These customers will not be able to benefit from advanced meter functionality and will be responsible for the fees associated with the installation of the non-standard meter as well as monthly recurring charges to cover the cost associated with manual meter reading.

Following is a high level overview of activities that have, or will occur in this project:

FY 2016-17: Requirements gathering began for CIS/MDMs, AMI, and MWFM; project planning and scope was finalized, including meter specification, meter functionality, procurement, and meter deployment logistics including the receipt of materials, meter testing, inventory management, storage, mobilization, deployment, installation and tracking

FY 2017-18: CIS/MDMs, AMI, and MWFM vendor selection was completed; communication network tasks began; meters were purchased; deployment process was finalized and meter installation began; CIS project was started.

FY 2018-19: Meter installation is underway; focus on CSIS/MWFM project and overall change management

FY 2019-20: Meter installation is complete; CIS/MDM and MWFM go-live; systems enter stabilization period.

FY 2020-21: Project is complete and system stabilization is realized.

FERC Accounts: 383

Estimated Useful Life: 10 years

#### Project Justification

Justification is included in the scope description.

*Project History*

\$2.0 million was appropriated in the FY 2016-17 Budget, Ord. No. 2016-O0135, September 8, 2016.

\$38,885,000 was appropriated in the FY 2017-18 Budget, Ord. No. 2017-O0111, October 1, 2017.

BCR 1718-08 on 8/15/18 decreased 10 year Electric Light & System Revenue Bonds, Series 2018 by \$2,400,911. Reallocated Electric Light & System Revenue Bonds Series 2016 by \$1,155,911 and Series 2017 by \$1,245,000. Also reduced appropriation by \$5,000,000 and funding source of 10-year Electric Light & System Revenue Bonds, Series 2018.

\$1,750,000 was appropriated from CIP 92492 in the FY 2019-20 Budget, Ord. No. 2019-O0129, October 1, 2019.

Decreased \$5,000,000 in the Appropriation-To-Date in the FY 2020-21 Budget.

\$850,000 was appropriated in FY 2020-21, BCR# 2021-4, January 13, 2021.

\$1,200,000 was appropriated in FY 2020-21, BCR# 2021-10, April 16, 2021.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	34,685,000	0	0	0	0	0	0	34,685,000
<b>Total Project Appropriation</b>	34,685,000	0	0	0	0	0	0	34,685,000

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2016 10-Year LP&L Revenue Bonds	1,155,911	0	0	0	0	0	0	1,155,911
FY 2017 10-Year LP&L Revenue Bonds	3,245,000	0	0	0	0	0	0	3,245,000
FY 2018 10-Year LP&L Revenue Bonds	30,284,089	0	0	0	0	0	0	30,284,089
<b>Total Funding Sources</b>	34,685,000	0	0	0	0	0	0	34,685,000

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Consumable Supplies	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	0	0	0	0	0	0	0





*Managing Department* **7611-Transmission Supervision & Engineering***Project Manager* **Luke Miller***Project Classification* **Replacement Infrastructure***Project Status* **Approved***Project Scope*

Rebuild 2.5 miles of a 69kV transmission line from the Erskine Substation to the Mackenzie Substation. The transmission line is primarily constructed of 70-75 foot wood poles and has single-circuit or double-circuit distribution under-build for most of the line. The new transmission line will be 959.6 aluminum conductor steel supported trapezoidal wire (ACSS/TW) with an optical ground wire (OPGW) static neutral wire, however the final determination of the conductor is subject to change based on engineering analyses. The line may be re-insulated for 115kV if deemed necessary, and is a design change that does not affect the operation of the line.

Rebuilding is a term used when a line has to be replaced, completely torn down, and rebuilt. A rebuild job is different from a re-conductor job, a re-conductor job only involves taking down the wires and hardware and replacing them with new hardware and larger wires. Installing a larger wire / conductor also lowers or decreases the resistance of the transmission line.

The project includes the estimated engineering, material, and construction cost associated with rebuilding the transmission line.

*Project Justification*

The existing 477 Aluminum Conductor Steel Reinforced (ACSR) 69kV transmission line has exceeded its life expectancy as it was built in the 1960s. This is also a high impedance line restricting the power flow in the transmission system thus putting adjacent lines in danger of exceeding their capacity during emergency (N-1) conditions. The new transmission line may be insulated for 115kV, but the line will continue to be operated at 69kV until such time that the transmission planning group deems it necessary to prevent system overloads.

FERC Accounts: 350, 355, 356

Estimated Useful Life: 30 years

*Project History*

\$2,200,000 was appropriated in the FY 2016-17 Budget, Ord. No. 2016-O0135, September 8, 2016.

Reduced funding by \$2,050,000 in FY 2016-17 Budget Amendment No. 28, Ord. No. 2017-O0058, May 25, 2017.

\$155,000 was appropriated in the FY 2017-18 Budget, Ord. No. 2017-O0111, October 1, 2017.

Increased appropriation by \$225,000 per BCR 1718-08 on 8/15/18 with issuance of 30-year Electric Light & System Revenue Bonds, Series 2018.

Increased appropriation by \$400,000 per BCR 1718-12 effective August 31, 2018.

\$3,240,000 was appropriated in the FY 2018-19 Budget, Ord. No. 2018-O0109, October 1, 2018.

\$450,000 was appropriated in FY 2019-20, BCR# 1920-03, November 1, 2019.

Reduced appropriation by \$340,000 per BCR 1920-04, January 31, 2020.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	4,130,000	0	0	0	0	0	0	4,130,000
Design and Engineering	150,000	0	0	0	0	0	0	150,000
<b>Total Project Appropriation</b>	<b>4,280,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,280,000</b>

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2016 LP&L Revenue Bonds	400,000	0	0	0	0	0	0	400,000
FY 2017 30-Year LP&L Revenue Bonds	150,000	0	0	0	0	0	0	150,000
FY 2018 30-Year LP&L Revenue Bonds	380,000	0	0	0	0	0	0	380,000
FY 2021 30-Year LP&L Revenue Bonds	3,350,000	0	0	0	0	0	0	3,350,000
<b>Total Funding Sources</b>	4,280,000	0	0	0	0	0	0	4,280,000

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	0	0	0	0	0	0	0

*Managing Department* **7611-Transmission Supervision & Engineering***Project Manager* **Luke Miller***Project Classification* **New Facility***Project Status* **Approved***Project Scope*

Construct a new Yellow House Canyon substation, which will be a 115kV rated breaker-and-a-half substation. The new substation configuration, layout, and design will follow an initial substation assessment and LP&L planning criteria. The assessment will provide LP&L the best available options. The number of positions/breakers will be determined by the customer requirements and the land that is available at the proposed site. This current project includes the assessment of the substation requirements and budgetary estimate based on a two-transformer site with five-transmission line positions. The completed assessment will ultimately provide the engineering, materials, and construction costs associated with building this substation.

*Project Justification*

The new substation is required to provide greater reliability and supply the required power needs and also provide distribution support to the surrounding LP&L distribution system.

FERC Accounts: 350, 352, 353, 361, 362

Estimated Useful Life: 30 years

*Project History*

\$500,000 was appropriated in the FY 2016-17 Budget, Ord. No. 2016-00135, September 8, 2016.

\$2,345,000 was appropriated in the FY 2017-18 Budget, Ord. No. 2017-00111, October 1, 2017.

Reduced appropriation by \$2,225,000 per BCR 1718-08 on 8/15/18 including reducing 20-year Electric Light & System Revenue Bonds, Series 2018.

\$2,835,000 was appropriated in the FY 2018-19 Budget, Ord. No. 2018-00109, October 1, 2018.

\$8,999,187 was appropriated in the FY 2019-20 Budget, Ord. No. 2019-00129, October 1, 2019.

\$300,000 was appropriated in FY 2019-20, BCR# 1920-8, June 3, 2020.

Increased \$2,795,813 in the Appropriation-To-Date in the FY 2020-21 Budget.

Reduced appropriation by \$2,390,000 in FY 2020-21, BCR# 2021-03, November 24, 2020.

\$400,000 was appropriated in FY 2020-21, BCR# 2021-8, March 22, 2021.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	13,060,000	0	0	0	0	0	0	13,060,000
Design and Engineering	500,000	0	0	0	0	0	0	500,000
<b>Total Project Appropriation</b>	<b>13,560,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13,560,000</b>

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2014 LP&L Revenue Bonds	514,448	0	0	0	0	0	0	514,448
FY 2015 LP&L Revenue Bonds	134,739	0	0	0	0	0	0	134,739
FY 2018 20-Year LP&L Revenue Bonds	120,000	0	0	0	0	0	0	120,000
FY 2021 20-Year LP&L Revenue Bonds	12,790,813	0	0	0	0	0	0	12,790,813
<b>Total Funding Sources</b>	13,560,000	0	0	0	0	0	0	13,560,000

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	0	0	0	0	0	0	0

*Managing Department*      **7611-Transmission Supervision & Engineering**

*Project Manager*            **Luke Miller**

*Project Classification*      **Infrastructure Improvements**

*Project Status*                **Approved**



*Project Scope*

Install one autotransformer at Co-op substation and connect it to the 69kV and 115kV system. The new 115/69kV autotransformer will be installed at the west end of the existing 115kV bus and will include the 115kV and 69kV breakers and disconnect switches to connect the 69kV system to the 115kV system.

The project will also include swapping/re-routing the incoming transmission lines from McCullough and Slaton substation into Coop, upgrading the existing 69kV bus, upgrading the 69/115kV bus protection, upgrading the 69/115kV transmission line protection to Wadsworth, installing a second battery bank and charger, and replacing the existing Supervisory Control and Data Acquisition (SCADA) Remote Terminal Unit (RTU).

The project includes an assessment that includes but is not limited to: analyzing the power flows through the substation and verifying the existing equipment will handle/carry the power/currents safely; and analyzing the existing Alternating Current (AC) voltage and Direct Current (DC) voltage system requirements. Any equipment that is found not capable or out of compliance will be upgraded to the new LP&L standard.

This project will include the engineering, materials, and construction costs associated with the installation of the autotransformer and associated work detailed above.

*Project Justification*

LP&L plans to convert and operate most of its substations at 115kV. Several substations, including Vicksburg, McCullough, Co-op, Mackenzie, Brandon, and Erskine, make up a 69kV inner loop that will remain in operation at 69kV inside the future 115kV outer loop which is comprised of the remainder of LP&L's substations. Co-op is one of the three substations that will house both 69kV and 115kV facilities. These two systems need to be electrically connected for proper system operation, and this autotransformer will allow LP&L to tie the 69kV system to the 115kV system. There will be three autotransformers located at three different substations (Co-op, Vicksburg, and Mackenzie). These autotransformers will allow the 69kV system load to be fed from the 115kV system.

The new relay protection for the 69/115kV autotransformer, transmission line, and bus are required to implement the new LP&L standard design for a fully integrated substation protection package. This protection is designed to quickly isolate faulted parts of the transmission system in order to protect the equipment, protect the unaffected parts of the system, and to improve the reliability of the transmission network. The relay protection includes primary and backup protection for all protection areas/schemes.

The installation of a second battery bank and charger will provide redundant direct current (DC) voltage sources to the relay protection throughout the substation. This will allow the primary protection to operate on preferred DC system (Primary) and the backup protection to operate on the back DC system (Secondary / Backup). This will eliminate a single point failure on the DC system.

The existing RTU cannot be upgraded, does not support the new communication protocol, and does not support the number of points required for the new equipment being installed. On an RTU, a point can be a hardwired connection or a software connection. The point can be any of three types; analog (amps, volts, watts, etc), status (alarms, open / closed indications, etc), or control (open, close, ON, OFF, etc) points. The new relays will also reduce and at times eliminate the need for hardwired connections to analog transducers and relay control boards.

The transmission line swap/re-route is required since the existing McCullough line is terminated on the future 115kV bus, but will remain on the inner 69kV loop. The Slaton line is currently terminated on the 69kV bus, but will need to terminate on a future 115kV bus.

FERC Accounts: 352, 353

Estimated Useful Life: 30 years

*Project History*

\$400,000 was appropriated in the FY 2016-17 Budget, Ord. No. 2016-O0135, September 8, 2016.

\$1.8 million was appropriated in the FY 2017-18 Budget, Ord. No. 2017-O0111, October 1, 2017.

\$1,790,000 was appropriated in the FY 2018-19 Budget, Ord. No. 2018-O0109, October 1, 2018.

\$1,574,867 was appropriated in the FY 2019-20 Budget, Ord. No. 2019-O0129, October 1, 2019.

Decreased \$164,867 in the Appropriation-To-Date in the FY 2020-21 Budget.

Reduced appropriation by \$250,000 in FY 2020-21, BCR# 2021-08, March 22, 2021.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	4,750,000	0	0	0	0	0	0	4,750,000
Design and Engineering	400,000	0	0	0	0	0	0	400,000
<b>Total Project Appropriation</b>	<b>5,150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,150,000</b>

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2017 30-Year LP&L Revenue Bonds	878,002	0	0	0	0	0	0	878,002
FY 2018 30-Year LP&L Revenue Bonds	2,086,865	0	0	0	0	0	0	2,086,865
FY 2021 30-Year LP&L Revenue Bonds	2,185,133	0	0	0	0	0	0	2,185,133
<b>Total Funding Sources</b>	<b>5,150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,150,000</b>

*Managing Department*      **7611-Transmission Supervision & Engineering**

*Project Manager*            **Luke Miller**

*Project Classification*      **Infrastructure Improvements**

*Project Status*                **Approved**



#### *Project Scope*

Install one autotransformer at Mackenzie substation and connect it to the 69kV and 115kV system. The new 115/69kV autotransformer will be installed at the east end of the existing 115kV bus and will include the 115kV and 69kV breakers and disconnect switches to connect the 69kV system to the 115kV system.

This project will include upgrading the existing 69kV bus protection, upgrading the 69/115kV transmission line protection to the Erskine, Slaton, and Northeast substation, installing a second battery bank and charger, and replacing the existing Supervisory Control and Data Acquisition (SCADA) Remote Terminal Unit (RTU).

The project includes an assessment that includes but is not limited to: analyzing the power flows through the substation and verifying the existing equipment will handle/carry the power/currents safely; and analyzing the existing Alternating Current (AC) voltage and Direct Current (DC) voltage system requirements. Any equipment that is found not capable or out of compliance will be upgraded to the new LP&L standard.

This project will include the engineering, materials, and construction costs associated with the installation of the autotransformer and associated work detailed above.

#### *Project Justification*

LP&L plans to convert and operate most of its substations at 115kV. Several substations, including Vicksburg, McCullough, Co-op, Mackenzie, Brandon, and Erskine, make up a 69kV inner loop that will remain in operation at 69kV inside the future 115kV outer loop which is comprised of the remainder of LP&L's substations. Mackenzie is one of the three substations that will house both 69kV and 115kV facilities. These two systems need to be electrically connected for proper system operation, and this autotransformer will allow LP&L to tie the 69kV system to the 115kV system. There will be three autotransformers located at three different substations (Co-op, Vicksburg, and Mackenzie). These autotransformers will allow the 69kV system load to be fed from the 115kV system.

The new relay protection for the 69/115kV autotransformer, transmission lines, and busses are required to implement the new LP&L standard design for a fully integrated substation protection package. This protection is designed to quickly isolate faulted parts of the transmission system in order to protect the equipment, protect the unaffected parts of the system, and to improve the reliability of the transmission network. The relay protection includes primary and backup protection for all protection areas/schemes.

The installation of a second battery bank and charger will provide redundant direct current (DC) voltage sources to the relay protection throughout the substation. This will allow the primary protection to operate on preferred DC system (Primary) and the backup protection to operate on the back DC system (Secondary / Backup). This will eliminate a single point failure on the DC system.

The existing RTU cannot be upgraded, does not support the new communication protocol, and does not support the number of points required for the new equipment being installed. On an RTU, a point can be a hardwired connection or a software connection. The point can be any of three types; analog (amps, volts, watts, etc), status (alarms, open / closed indications, etc), or control (open, close, ON, OFF, etc) points. The new relays will also reduce, and at times eliminate, the need for hardwired connections to analog transducers and relay control boards.

FERC Accounts: 352, 353

Estimated Useful Life: 30 years

*Project History*

\$400,000 was appropriated in the FY 2016-17 Budget, Ord. No. 2016-00135, September 8, 2016.

\$2,015,000 was appropriated in the FY 2017-18 Budget, Ord. No. 2017-00111, October 1, 2017.

\$2,315,000 was appropriated in the FY 2018-19 Budget, Ord. No. 2018-00109, October 1, 2018.

\$1,000,000 was appropriated in the FY 2018-19 Budget Amendment No. 7, Ord. No 2019-00012, February 12, 2019.

\$275,000 was appropriated in the FY 2019-20 Budget, Ord. No. 2019-00129, October 1, 2019.

Decreased \$705,000 in the Appropriation-To-Date in the FY 2020-21 Budget.

\$550,000 was appropriated in FY 2020-21, BCR# 2021-3, November 24, 2020.

\$150,000 was appropriated in FY 2020-21, BCR# 2021-8, March 22, 2021.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	5,600,000	0	0	0	0	0	0	5,600,000
Design and Engineering	400,000	0	0	0	0	0	0	400,000
<b>Total Project Appropriation</b>	<b>6,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,000,000</b>

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2017 30-Year LP&L Revenue Bonds	400,000	0	0	0	0	0	0	400,000
FY 2018 30-Year LP&L Revenue Bonds	2,015,000	0	0	0	0	0	0	2,015,000
FY 2021 30-Year LP&L Revenue Bonds	3,585,000	0	0	0	0	0	0	3,585,000
<b>Total Funding Sources</b>	<b>6,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,000,000</b>

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>



*Managing Department*      **7611-Transmission Supervision & Engineering**

*Project Manager*            **Luke Miller**

*Project Classification*      **Replacement Infrastructure**

*Project Status*                **Approved**



#### *Project Scope*

Construct a new 115kV ring bus inside the existing Holly site. This includes installing a new 115/69kV autotransformers to connect the existing 69kV busses to the new 115kV bus sections.

This project will include terminating the existing 69kV lines into the new 115kV substation bus, installing new relay protection for the new 115kV sections, and installing a new control enclosure to house all of the controls, relay protection, Supervisory Control and Data Acquisition (SCADA) system, fiberoptic connections, and systems required to operate the new 115kV section.

This project will include an assessment of the substation that will provide more details and specifications about the ultimate substation configuration, the number of breakers, transformers, and relay panels required. This project also includes the assessment of the site, engineering, design, and construction budgetary costs associated with rebuilding this substation.

#### *Project Justification*

LP&L plans to convert and operate most of its substations at 115kV. Several substations, including Holly will remain in operation at 69kV. Holly is one substation that will house both 69kV and 115kV facilities. These two systems need to be electrically connected for proper system operation, a new autotransformer will allow LP&L to tie the 69kV system to the 115kV system. This autotransformer will allow the 69kV system generation to feed onto the 115kV system and provide reliability and redundancy for LP&L production.

The new relay protection for the 69/115kV autotransformers, transmission lines, and busses are required to implement the new LP&L standard design for a fully integrated substation protection package. This protection is designed to quickly isolate faulted parts of the transmission system in order to protect the equipment, protect the unaffected parts of the system, and to improve the reliability of the transmission network. The relay protection includes primary and backup protection for all protection areas/schemes.

FERC Accounts: 352, 353

Estimated Useful Life: 30 years

#### *Project History*

\$1,500,000 was appropriated in the FY 2016-17 Budget, Ord. No. 2016-O0135, September 8, 2016.

\$4,070,000 was appropriated in the FY 2017-18 Budget, Ord. No. 2017-O0111, October 1, 2017.

Reduced appropriation by \$4,000,000 per BCR 1718-08 on 8/15/18 by reducing issuance of 30-year Electric Light & System Revenue Bonds, Series 2018.

\$3,170,000 was appropriated in the FY 2018-19 Budget, Ord. No. 2018-O0109, October 1, 2018.

\$4,060,000 was appropriated in FY 2018-19, BCR# 1819-09, March 4, 2019.

\$530,000 was appropriated in the FY 2019-20 Budget, Ord. No. 2019-O0129, October 1, 2019.

Reduced appropriation by \$1,250,000 in FY 2019-20, BCR# 1920-08, June 3, 2020.

Decreased \$1,280,000 in the Appropriation-To-Date in the FY 2020-21 Budget.

\$250,000 was appropriated in FY 2020-21, BCR# 2021-3, November 24, 2020.

\$100,000 was appropriated in FY 2020-21, BCR# 2021-8, March 22, 2021.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	5,650,000	0	0	0	0	0	0	5,650,000
Design and Engineering	1,500,000	0	0	0	0	0	0	1,500,000
<b>Total Project Appropriation</b>	<b>7,150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,150,000</b>

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2017 30-Year LP&L Revenue Bonds	1,500,000	0	0	0	0	0	0	1,500,000
FY 2018 30-Year LP&L Revenue Bonds	70,000	0	0	0	0	0	0	70,000
FY 2021 30-Year LP&L Revenue Bonds	5,580,000	0	0	0	0	0	0	5,580,000
<b>Total Funding Sources</b>	<b>7,150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,150,000</b>

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

*Managing Department* **7611-Transmission Supervision & Engineering***Project Manager* **Luke Miller***Project Classification* **Replacement Infrastructure***Project Status* **Approved***Project Scope*

Rebuild Oliver substation from a 69kV main transfer station to a 115kV substation. The five breaker 69kV substation is currently rated for 69kV and must be rebuilt to 115kV to accommodate the 115kV system conversion.

The new substation configuration, layout, and design will follow an initial substation assessment and LP&L planning criteria. The assessment will provide LP&L the best available options.

A rebuild of the station to a six position ring bus will be considered to increase bus capacity and reliability. This project includes engineering, material, and construction costs associated with rebuilding the substation.

*Project Justification*

The existing 69kV substation is critical to the operation of the LP&L system and needs to be converted to 115kV. The five breaker 69kV substation is currently rated for 69kV and must be rebuilt to 115kV to accommodate the 115kV system conversion.

FERC Accounts: 352, 353

Estimated Useful Life: 30 years

*Project History*

\$3,000,000 was appropriated in the FY 2016-17 Budget, Ord. No. 2016-00135, September 8, 2016.

Reduced funding by \$2,400,000 in FY 2016-17 Budget Amendment No. 28, Ord. No. 2017-00058, May 25, 2017.

\$1,555,000 was appropriated in the FY 2017-18 Budget, Ord. No. 2017-00111, October 1, 2017.

Reduced funding by \$2.0 million in FY 2017-18 Budget Amendment No. 13, Ord. No. 2018-00057, May 24, 2018.

\$720,000 was appropriated in the FY 2018-19 Budget, Ord. No. 2018-00109, October 1, 2018.

\$6,855,000 was appropriated in FY 2018-19, BCR# 1819-09, March 4, 2019.

\$510,000 was appropriated in the FY 2019-20 Budget, Ord. No. 2019-00129, October 1, 2019.

Decreased \$1,490,000 in the Appropriation-To-Date in the FY 2020-21 Budget.

\$50,000 was appropriated in FY 2020-21, BCR# 2021-3, November 24, 2020.

Appropriation Detail	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	6,645,000	0	0	0	0	0	0	6,645,000
Design and Engineering	155,000	0	0	0	0	0	0	155,000
<b>Total Project Appropriation</b>	<b>6,800,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,800,000</b>

Funding Detail	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2017 30-Year LP&L Revenue Bonds	155,000	0	0	0	0	0	0	155,000
FY 2021 30-Year LP&L Revenue Bonds	6,645,000	0	0	0	0	0	0	6,645,000
<b>Total Funding Sources</b>	6,800,000	0	0	0	0	0	0	6,800,000

Operating Budget Impact	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	0	0	0	0	0	0	0

*Managing Department* **7611-Transmission Supervision & Engineering***Project Manager* **Luke Miller***Project Classification* **New Facility***Project Status* **Approved***Project Scope*

This project covers the engineering, purchase, installation, and testing of two (2) 345/115kV auto transformers; two (2) 345kV breakers; a new 115kV yard to accommodate the line to Oliver (92661), the line to Southeast (92533), and the two transformer positions; and other equipment to establish the 345/115kV substation. This work is being completed by Oncor utilizing an Engineering, Procurement and Construction (EPC) EPC model. LP&L is providing engineering review and general construction oversight.

*Project Justification*

The "4ow" approved by the Public Utility Commission of Texas (PUCT), calls for two (2) 345/115kV transformers and a new 115kV Posey station.

FERC Accounts: 350, 352, 353

Estimated Useful Life: 30 years

*Project History*

\$1,600,000 was appropriated in the FY 2016-17 Budget, Ord. No. 2016-00135, September 8, 2016.

Reduced funding by \$1,600,000 in FY 2016-17 Budget Amendment No. 28, Ord. No. 2017-00058, May 25, 2017.

\$1,535,000 was appropriated in the FY 2017-18 Budget, Ord. No. 2017-00111, October 1, 2017.

\$6,885,000 was appropriated in the FY 2018-19 Budget, Ord. No. 2018-00109, October 1, 2018.

\$9,925,000 was appropriated in the FY 2019-20 Budget, Ord. No. 2019-00129, October 1, 2019.

Increased \$1,545,000 in the Appropriation-To-Date in the FY 2020-21 Budget.

\$410,000 was appropriated in FY 2020-21, BCR# 2021-3, November 24, 2020.

Reduced appropriation by \$400,000 in FY 2020-21, BCR# 2021-08, March 22, 2021.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	18,365,000	0	0	0	0	0	0	18,365,000
Design and Engineering	1,535,000	0	0	0	0	0	0	1,535,000
<b>Total Project Appropriation</b>	<b>19,900,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>19,900,000</b>

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2018 30-Year LP&L Revenue Bonds	1,535,000	0	0	0	0	0	0	1,535,000
FY 2021 30-Year LP&L Revenue Bonds	18,365,000	0	0	0	0	0	0	18,365,000
<b>Total Funding Sources</b>	<b>19,900,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>19,900,000</b>

*Managing Department* **7611-Transmission Supervision & Engineering***Project Manager* **Luke Miller***Project Classification* **New Facility***Project Status* **Approved***Project Scope*

This project covers the engineering, purchase, and installation of two (2) 345/115kV auto transformers. It also covers the engineering and purchase of two (2) 345kV breakers, which LP&L will install.

*Project Justification*

The “4ow” approved by the Public Utility Commission of Texas (PUCT), calls for two (2) 345/115kV transformers at LP&L’s Yellow House Canyon station.

FERC Accounts: 350,352,353

Estimated Useful Life: 30 years

*Project History*

\$1,600,000 was appropriated in the FY 2016-17 Budget, Ord. No. 2016-O0135, September 8, 2016.

Reduced funding by \$1,600,000 in FY 2016-17 Budget Amendment No. 28, Ord. No. 2017-O0058, May 25, 2017.

\$1,535,000 was appropriated in the FY 2017-18 Budget, Ord. No. 2017-O0111, October 1, 2017.

\$6,885,000 was appropriated in the FY 2018-19 Budget, Ord. No. 2018-O0109, October 1, 2018.

\$9,925,000 was appropriated in the FY 2019-20 Budget, Ord. No. 2019-O0129, October 1, 2019.

\$500,000 was appropriated in FY 2019-20, BCR# 1920-03, November 1, 2019.

Reduced appropriation by \$6,600,000 in FY 2019-20, BCR# 1920-08, June 3, 2020.

Decreased \$1,495,000 in the Appropriation-To-Date in the FY 2020-21 Budget.

\$510,000 was appropriated in FY 2020-21, BCR# 2021-3, November 24, 2020.

Reduced appropriation by \$1,000,000 in FY 2020-21, Budget Amendment No. 23, Ord. No. 2020-O0055, May 25, 2021.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	8,725,000	0	0	0	0	0	0	8,725,000
Design and Engineering	1,535,000	0	0	0	0	0	0	1,535,000
<b>Total Project Appropriation</b>	<b>10,260,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10,260,000</b>

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2018 30-Year LP&L Revenue Bonds	1,535,000	0	0	0	0	0	0	1,535,000
FY 2021 30-Year LP&L Revenue Bonds	8,725,000	0	0	0	0	0	0	8,725,000
<b>Total Funding Sources</b>	<b>10,260,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10,260,000</b>

Managing Department **7611-Transmission Supervision & Engineering**

Project Manager **Luke Miller**

Project Classification **New Facility**

Project Status **Approved**



#### Project Scope

This project covers the engineering, purchase, and installation of two 345/115kV auto transformers. It also covers the engineering and purchase of two 345kV breakers, which LP&L will install.

#### Project Justification

The "4ow" approved by the Public Utility Commission of Texas (PUCT), calls for two 345/115kV transformers at LP&L's Dunbar station.

FERC Accounts: 350, 352, 353

Estimated Useful Life: 30 years

#### Project History

\$1,600,000 was appropriated in the FY 2016-17 Budget, Ord. No. 2016-O0135, September 8, 2016.

Reduced funding by \$1,600,000 in FY 2016-17 Budget Amendment No. 28, Ord. No. 2017-O0058, May 25, 2017.

\$1,535,000 was appropriated in the FY 2017-18 Budget, Ord. No. 2017-O0111, October 1, 2017.

\$6,885,000 was appropriated in the FY 2018-19 Budget, Ord. No. 2018-O0109, October 1, 2018.

\$4,220,000 was appropriated in the FY 2019-20 Budget, Ord. No. 2019-O0129, October 1, 2019.

Decreased \$960,000 in the Appropriation-To-Date in the FY 2020-21 Budget.

\$160,000 was appropriated in FY 2020-21, BCR# 2021-3, November 24, 2020.

Reduced appropriation by \$1,000,000 in FY 2020-21, Budget Amendment No. 23, Ord. No. 2020-O0055, May 25, 2021.

Appropriation Detail	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	9,305,000	0	0	0	0	0	0	9,305,000
Design and Engineering	1,535,000	0	0	0	0	0	0	1,535,000
<b>Total Project Appropriation</b>	<b>10,840,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10,840,000</b>

Funding Detail	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2018 30-Year LP&L Revenue Bonds	1,535,000	0	0	0	0	0	0	1,535,000
FY 2021 30-Year LP&L Revenue Bonds	9,305,000	0	0	0	0	0	0	9,305,000
<b>Total Funding Sources</b>	<b>10,840,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10,840,000</b>





*Managing Department* **7611-Transmission Supervision & Engineering***Project Manager* **Luke Miller***Project Classification* **Replacement Infrastructure***Project Status* **Approved***Project Scope*

Rebuild 3.79 miles of a 69kV transmission line from the Holly Substation to the Southeast Substation. The transmission line is primarily constructed of 70-75 foot wood poles and has single-circuit or double-circuit distribution under-build for most of the line. The new transmission line will be 959.6 aluminum conductor steel supported trapezoidal wire (ACSS/TW) with an optical ground wire (OPGW) static neutral wire, however the final determination of the conductor is subject to change based on engineering analyses. The line will be insulated for 115kV, but will operate at 69kV until the system is converted to 115kV.

Rebuilding is a term used when a line has to be replaced, completely torn down, and rebuilt. A rebuild job is different from a re-conductor job, as a re-conductor job only involves taking down the wires and replacing them with new larger wires. Installing a larger wire/conductor also lowers or decreases the resistance of the transmission line. This project includes the estimated engineering, material, and construction cost associated with rebuilding the transmission line.

*Project Justification*

The existing 477 Aluminum Conductor Steel Reinforced (ACSR)/571.7 aluminum conductor self-supporting trapezoidal wire (ACSS/TW) 69kV transmission line has exceeded its life expectancy. This high impedance line is restricting the power flow in the transmission system thus putting adjacent lines in danger of exceeding their capacity during emergency (N-1) conditions. The new transmission line is required to be insulated for 115kV in order to tie into the Electric Reliability Council of Texas (ERCOT) power grid.

FERC Accounts: 350, 355, 356

Estimated Useful Life: 30 years

*Project History*

\$250,000 was appropriated in the FY 2016-17 Budget, Ord. No. 2016-00135, September 8, 2016.

\$2,575,000 was appropriated in the FY 2017-18 Budget, Ord. No. 2017-00111, October 1, 2017.

Reduced appropriation by \$2,500,000 per BCR 1718-08 on 8/15/18 and decreasing issuance of 30-year Electric Light & System Revenue Bonds, Series 2018.

\$350,000 was appropriated in the FY 2018-19 Budget, Ord. No. 2018-00109, October 1, 2018.

\$2,155,000 was appropriated in FY 2018-19, BCR# 1819-09, March 4, 2019.

\$4,875,000 was appropriated in the FY 2019-20 Budget, Ord. No. 2019-00129, October 1, 2019.

\$2,750,000 is appropriated in the FY 2019-20 Budget, Ord. No. 2020-00039, March 24, 2020.

Decreased \$1,455,000 in the Appropriation-To-Date in the FY 2020-21 Budget.

\$500,000 was appropriated in FY 2020-21, BCR# 2021-3, November 24, 2020.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	9,250,000	0	0	0	0	0	0	9,250,000
Design and Engineering	250,000	0	0	0	0	0	0	250,000
<b>Total Project Appropriation</b>	<b>9,500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,500,000</b>

Funding Detail	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2017 30-Year LP&L Revenue Bonds	250,000	0	0	0	0	0	0	250,000
FY 2018 30-Year LP&L Revenue Bonds	75,000	0	0	0	0	0	0	75,000
FY 2021 30-Year LP&L Revenue Bonds	9,175,000	0	0	0	0	0	0	9,175,000
<b>Total Funding Sources</b>	<b>9,500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,500,000</b>

Operating Budget Impact	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

*Managing Department* **7611-Transmission Supervision & Engineering***Project Manager* **Luke Miller***Project Classification* **Replacement Infrastructure***Project Status* **Approved***Project Scope*

Rebuild 3.25 miles of a 69kV transmission line from the Holly Substation to the Slaton Substation. The transmission line is primarily constructed of 70-75 foot wood poles and has single-circuit or double-circuit distribution under-build for most of the line. The new transmission line will be 959.6 aluminum conductor steel supported trapezoidal wire (ACSS/TW) with an optical ground wire (OPGW) static neutral wire, however the final determination of the conductor is subject to change based on engineering analyses. The line will be insulated for 115kV, but will operate at 69kV until the system is converted to 115kV. Slaton Substation is moving geographical locations, thus this scope will include tying the transmission line into the new Slaton Substation location. This will require new structures near the new Slaton Substation location.

Rebuilding is a term used when a line has to be replaced, completely torn down, and rebuilt. A rebuild job is different from a re-conductor job, as a re-conductor job only involves taking down the wires and replacing them with new larger wires. Installing a larger wire/conductor also lowers or decreases the resistance of the transmission line. This project includes the estimated engineering, material, and construction cost associated with rebuilding the transmission line.

*Project Justification*

The existing 795 Aluminum Conductor Steel Reinforced (ACSR) 69kV transmission line is not insulated to operate at 115kV. The new transmission line is required to be insulated for 115 kV in order to tie into the Electric Reliability Council of Texas (ERCOT) power grid.

FERC Accounts: 350, 355, 356

Estimated Useful Life: 30 years

*Project History*

\$200,000 was appropriated in the FY 2016-17 Budget, Ord. No. 2016-00135, September 8, 2016.

\$2,385,000 was appropriated in the FY 2017-18 Budget, Ord. No. 2017-00111, October 1, 2017.

Reduced appropriation by \$1,500,000 per BCR 1718-08 on 8/15/18 and decreasing the issuance of 30-year Electric Light & System Revenue Bonds, Series 2018.

\$870,000 was appropriated in FY 2018-19, BCR# 1819-09, March 4, 2019.

\$4,130,000 was appropriated in the FY 2019-20 Budget, Ord. No. 2019-00129, October 1, 2019.

\$950,000 was appropriated in FY 2019-20, BCR# 1920-03, November 1, 2019.

Increased \$465,000 in the Appropriation-To-Date in the FY 2020-21 Budget.

Reduced appropriation by \$930,000 in FY 2020-21, BCR# 2021-03, November 24, 2020.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	6,370,000	0	0	0	0	0	0	6,370,000
Design and Engineering	200,000	0	0	0	0	0	0	200,000
<b>Total Project Appropriation</b>	<b>6,570,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,570,000</b>

Funding Detail	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2017 30-Year LP&L Revenue Bonds	200,000	0	0	0	0	0	0	200,000
FY 2018 30-Year LP&L Revenue Bonds	885,000	0	0	0	0	0	0	885,000
FY 2021 30-Year LP&L Revenue Bonds	5,485,000	0	0	0	0	0	0	5,485,000
<b>Total Funding Sources</b>	<b>6,570,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,570,000</b>

Operating Budget Impact	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

*Managing Department* **7611-Transmission Supervision & Engineering***Project Manager* **Luke Miller***Project Classification* **Replacement Infrastructure***Project Status* **Approved***Project Scope*

Rebuild 2.03 miles of a 69kV transmission line from the Southeast Substation to the Oliver Substation. The transmission line is primarily constructed of 70-75 foot wood poles and has single-circuit or double-circuit distribution under-build for most of the line. The new transmission line will be 959.6 aluminum conductor steel supported trapezoidal wire (ACSS/TW) with an optical ground wire (OPGW) static neutral wire, however the final determination of the conductor is subject to change based on engineering analyses. The line will be insulated for 115kV, but will operate at 69kV until the system is converted to 115kV.

Rebuilding is a term used when a line has to be replaced, completely torn down, and rebuilt. A rebuild job is different from a re-conductor job, as a re-conductor job only involves taking down the wires and replacing them with new larger wires. Installing a larger wire/conductor also lowers or decreases the resistance of the transmission line. This assessment will also analyze and verify that the existing dead end steel pole conductor clearances meet National Electrical Safety Code (NESC) clearances for operating the transmission at 115kV. This project includes the estimated engineering, material, and construction costs associated with rebuilding the transmission line.

*Project Justification*

The existing 477 Aluminum Conductor Steel Reinforced (ACSR) 69kV transmission line has exceeded its life expectancy. This high impedance line is restricting the power flow in the transmission system thus putting adjacent lines in danger of exceeding their capacity during emergency (N-1) conditions. The new transmission line is required to be insulated for 115 kV in order to tie into the Electric Reliability Council of Texas (ERCOT) power grid.

FERC Accounts: 350, 355, 356

Estimated Useful Life: 30 years

*Project History*

\$1,800,000 was appropriated in the FY 2016-17 Budget, Ord. No. 2016-00135, September 8, 2016.

Reduced funding by \$825,000 in FY 2016-17 Budget Amendment No. 28, Ord. No. 2017-00058, May 25, 2017.

Increased appropriation by \$2,615,000 per BCR 1718-08 on 8/15/18 by increasing issuance of 30-year Electric Light & System Revenue Bonds, Series 2018.

\$575,000 was appropriated in FY 2019-20, BCR# 1920-03, November 1, 2019.

\$500,000 was appropriated in FY 2019-20, BCR# 1920-04, January 31, 2020.

\$500,000 was appropriated in FY 2019-20, BCR# 1920-08, June 3, 2020.

Decreased \$265,000 in the Appropriation-To-Date in the FY 2020-21 Budget.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	4,400,000	0	0	0	0	0	0	4,400,000
Design and Engineering	500,000	0	0	0	0	0	0	500,000
<b>Total Project Appropriation</b>	<b>4,900,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,900,000</b>

Funding Detail	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2017 30-Year LP&L Revenue Bonds	975,000	0	0	0	0	0	0	975,000
FY 2018 30-Year LP&L Revenue Bonds	2,615,000	0	0	0	0	0	0	2,615,000
FY 2021 30-Year LP&L Revenue Bonds	1,310,000	0	0	0	0	0	0	1,310,000
<b>Total Funding Sources</b>	<b>4,900,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,900,000</b>

Operating Budget Impact	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

*Managing Department*      **7611-Transmission Supervision & Engineering**

*Project Manager*            **Luke Miller**

*Project Classification*      **Replacement Infrastructure**

*Project Status*                **Approved**



#### *Project Scope*

Replace the relay protection on the substations with older relays and assess the substations to determine if any modifications or upgrades are required in preparation for the new system configuration. The assessment includes but is not limited to: analyzing the power flows through the substations and verifying the existing equipment will handle/carry the power/currents safely; and analyzing the existing Alternating Current (AC) Voltage and Direct Current (DC) Voltage system requirements. The project includes the engineering, design, materials, and construction costs associated with upgrading the following substations: Wadsworth, Erskine, Brandon, Northwest, McCullough, Mackenzie, and Thompson.

#### *Project Justification*

The existing antiquated protection relays in the affected substations do not provide adequate protection or safety features. The installation of microprocessor relays will allow LP&L to further improve the reliability of the system by providing adequate and redundant protection while improving the safety of personnel by implementing features such as hot line tag. These new digital relays will constantly monitor the health of the system, instantly alarm for abnormal conditions, and more importantly clear system disturbances quickly and as necessary. The current transformers (CTs) in the existing circuit breakers do not have the proper ratings required, thereby reducing the rating of the line. The line rating is what determines how much power the lines can safely carry. Some equipment will need to be replaced if the current ratings do not meet or exceed the requirements.

FERC Accounts: 353

Estimated Useful Life: 30 years

#### *Project History*

\$510,000 was appropriated in the FY 2016-17 Budget, Ord. No. 2016-00135, September 8, 2016.

Appropriated \$105,000 in FY 2016-17 Budget Amendment No. 28, Ord. No. 2017-00058, May 25, 2017.

\$3,510,000 was appropriated in the FY 2017-18 Budget, Ord. No. 2017-00111, October 1, 2017.

Reduced funding by \$2.4 million in FY 2017-18 Budget Amendment No. 13, Ord. No. 2018-00057, May 24, 2018.

\$1,410,000 was appropriated in the FY 2018-19 Budget, Ord. No. 2018-00109, October 1, 2018.

\$2,215,000 was appropriated in the FY 2019-20 Budget, Ord. No. 2019-00129, October 1, 2019.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	5,350,000	0	0	0	0	0	0	5,350,000
<b>Total Project Appropriation</b>	<b>5,350,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,350,000</b>

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2017 30-Year LP&L Revenue Bonds	615,000	0	0	0	0	0	0	615,000
FY 2018 30-Year LP&L Revenue Bonds	1,110,000	0	0	0	0	0	0	1,110,000
FY 2021 30-Year LP&L Revenue Bonds	3,625,000	0	0	0	0	0	0	3,625,000
<b>Total Funding Sources</b>	5,350,000	0	0	0	0	0	0	5,350,000

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	0	0	0	0	0	0	0



*Managing Department* **7611-Transmission Supervision & Engineering***Project Manager* **Luke Miller***Project Classification* **New Facility***Project Status* **Approved***Project Scope*

The "4ow" approved by the Public Utility Commission of Texas (PUCT) requires two (2) 115kV feeds into LP&L's existing south loop. This line fulfills one of those needs. The transmission line conductor is planned to be 959.6 aluminum conductor steel supported thermal wire (ACSS/TW) with an optical ground wire (OPGW) static neutral wire. However, the final determination of the conductor is subject to change based on the engineering analysis of the physical construction. The primary factor to consider is the percent loading of the line and the effective sag it has on the line. The project includes the estimated engineering, ROW acquisition, material, and construction cost associated with constructing the transmission line. This work is being completed by Oncor utilizing an Engineering, Procurement and Construction (EPC) model. LP&L is providing engineering review and general construction oversight.

*Project Justification*

The existing topology of the transmission system shows no 115kV transmission south of the existing Oliver Substation, however, the Electric Reliability Council of Texas (ERCOT) integration will require additional 115 kV transmission lines to tie into the 345 kV ERCOT power grid. This line will be one of the three.

The "4ow" approved by the PUCT, calls for two (2) 115kV feeds from Posey substation. Posey to Southeast and Posey to Oliver transmission lines must be independent projects.

FERC Accounts: 350, 355, 356

Estimated Useful Life: 30 years

*Project History*

\$1,025,000 was appropriated in the FY 2017-18 Budget, Ord. No. 2017-00111, October 1, 2017.

\$14,725,000 was appropriated in the FY 2018-19 Budget, Ord. No. 2018-00109, October 1, 2018.

\$8,195,000 was appropriated from CIP 92534 in the FY 2019-20 Budget, Ord. No. 2019-00129, October 1, 2019.

Reduced appropriation by \$14,702,427 in FY 2019-20 Budget Amendment No. 4, Ord. No. 2019-00158, November 19, 2019.

Decreased \$3,302,573 in the Appropriation-To-Date in the FY 2020-21 Budget.

\$460,000 was appropriated in FY 2020-21, BCR# 2021-3, November 24, 2020.

\$1,000,000 was appropriated in FY 2020-21, BCR# 2021-8, March 22, 2021.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	6,375,000	0	0	0	0	0	0	6,375,000
Design and Engineering	1,025,000	0	0	0	0	0	0	1,025,000
<b>Total Project Appropriation</b>	<b>7,400,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,400,000</b>

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2018 30-Year LP&L Revenue Bonds	1,025,000	0	0	0	0	0	0	1,025,000
FY 2021 30-Year LP&L Revenue Bonds	6,375,000	0	0	0	0	0	0	6,375,000
<b>Total Funding Sources</b>	7,400,000	0	0	0	0	0	0	7,400,000

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	0	0	0	0	0	0	0

*Managing Department* **7711-Regional Market Admin & Compliance***Project Manager* **Jeff Baker***Project Classification* **Administrative***Project Status* **Approved***Project Scope*

Installation and configuration of Geographic Information Systems (GIS) software and equipment to replace the existing Smallworld system, including training of Engineering and GIS personnel. The project also includes the acquisition of software, equipment and training for other GIS-related systems.

*Project Justification*

LP&L will utilize the GIS Software to obtain:

- Industry-specific quality assurance/quality control tools to validate, verify and correct data, as well as integrated and efficient engineering and design functionality;
- Reduced engineering and design workload by automating cost estimates and materials list generation using compatible units, complemented by built-in overhead design analysis tools;
- Compatibility with existing City of Lubbock, GIS datasets, enabling “drag and drop” sharing of information with other City departments and eliminating redundant work; and
- Enhanced web map publishing capabilities to deliver the latest up-to-date network data throughout the organization & enhanced mobile capabilities for viewing and collecting network data.

The LP&L GIS is the data backbone of the Distribution Operations and Engineering Departments. The Outage Management System depends on GIS data for an accurate representation of LP&L facilities. Additionally, the Construction Engineering Department routinely has 150-200 projects in progress in the GIS at any given time.

FERC Accounts: 382,383,390

Estimated Useful Life: 10 years

*Project History*

\$2,115,000 was appropriated in the FY 2017-18 Budget, Ord. No. 2017-00111, October 1, 2017.

Reduced appropriation by \$900,000 per BCR 1718-08 on 8/15/18 and decreasing issuance of 10 year Electric Light & System Revenue Bonds, Series 2018.

\$510,000 was appropriated in the FY 2018-19 Budget, Ord. No. 2018-00109, October 1, 2018.

\$440,000 was appropriated in the FY 2019-20 Budget, Ord. No. 2019-00129, October 1, 2019.

Decreased \$400,000 in the Appropriation-To-Date in the FY 2020-21 Budget.

\$420,000 was appropriated in the FY 2021-22 Budget, Ord. No. 2021-00126, October 1, 2021.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Technology	1,765,000	420,000	0	0	0	0	0	2,185,000
<b>Total Project Appropriation</b>	1,765,000	420,000	0	0	0	0	0	2,185,000

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2018 10-Year LP&L Revenue Bonds	1,215,000	0	0	0	0	0	0	1,215,000
FY 2019 LP&L Cash	510,000	0	0	0	0	0	0	510,000
FY 2020 LP&L Cash	40,000	0	0	0	0	0	0	40,000
FY 2022 LP&L Cash	0	420,000	0	0	0	0	0	420,000
<b>Total Funding Sources</b>	1,765,000	420,000	0	0	0	0	0	2,185,000

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	0	0	0	0	0	0	0

Managing Department **7418-Distribution Engineering Construction**Project Manager **Jarrold Huse**Project Classification **Upgrade/Major Maintenance**Project Status **Approved****Project Scope**

Geographic project boundaries are as follows: E. 28th St/Canyon Lake Dr. to the north, Canyon Lake Dr. to the east, Lubbock Cemetery to the south and Teak Ave. to the west. Installation of new underground electric distribution system to serve existing residential neighborhood, currently served by overhead facilities. Installation of new underground feeder line through alley between E 30th St & Lubbock Cemetery. Relocation of street light feeds to underground. Removal of overhead electric facilities. This includes all necessary material, labor, equipment, engineering & project management costs. Excluded from this project's scope are applicable costs to telecommunication companies to relocate their facilities underground and to vacate poles for removal. Also excluded are hiring electrician(s) to relocate customer owned electric facilities underground on private property to meet new service pedestals in alleys.

**Project Justification**

Older Lubbock neighborhoods constructed prior to 1978 are served by overhead facilities. Councilwoman Sheila Patterson Harris has requested the project to improve aesthetics in this historic neighborhood.

**Project History**

\$1,210,000 was appropriated in the FY 2018-19 Budget, Ord. No. 2018-O0109, October 1, 2018.

Appropriation Detail	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	1,210,000	0	0	0	0	0	0	1,210,000
<b>Total Project Appropriation</b>	<b>1,210,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,210,000</b>

Funding Detail	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2021 20-Year LP&L Revenue Bonds	1,210,000	0	0	0	0	0	0	1,210,000
<b>Total Funding Sources</b>	<b>1,210,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,210,000</b>

Operating Budget Impact	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>



*Managing Department*    **7414-Distribution Load Dispatching**

*Project Manager*    **Melissa Saddler**

*Project Classification*    **Upgrade/Major Maintenance**

*Project Status*    **Approved**



*Project Scope*

Supervisory Control and Data Acquisition (SCADA) System equipment for the backup control center; Outage Management System (OMS) interface to the new Geographic Information System (GIS); OMS system interface to the new Advanced Metering Infrastructure (AMI) system; OMS system interface to new Customer Information System (CIS); OMS system interface to new Asset Management System (AMS); and Network Restore.

*Project Justification*

SCADA System equipment for the backup control center: North American Electric Reliability Corporation (NERC) regulations require a backup control system. The SCADA system provides system monitoring of the tie lines and components deemed as transmission assets. These transmission assets are subject to NERC regulations. The SCADA system provides transmission and generation data to the Southwest Power Pool (SPP) through an Inter-Control Center Communications Protocol (ICCP) link. LP&L must maintain full and continuous supervision and control of power system operations during major and unexpected emergencies without loss of current and historical operational data. The SCADA system is currently housed in one location. A disaster would cause detrimental down time and loss of historical data.

*SCADA System Upgrade:*

Upgrade SCADA system hardware and software. The upgrade is necessary to ensure the software is up to date to continue vendor support, security, and enhancements. The upgrade will replace servers that are approaching over five (5) years in production. This project will also upgrade all software of the SCADA and supporting systems.

OMS interface to the new GIS: The GIS model is exported into the SCADA system. The data model, data tables, conversion process and program scripts will need to be written for use with new data tables and information.

*OMS Interface Update to GIS:*

The GIS system will implement an upgrade of the software and the data model. The interface to the OMS will require an update to be able to accommodate the changes in the GIS model.

OMS system interface to the new AMI system: An AMI system serves different purposes for an electric utility. A major purpose is reporting outages to an OMS. The OMS currently relies on either an event from the SCADA system or calls reported by customers in order to predict the most likely source of the outage. The addition of meter status from the AMI meters will provide more accurate reporting of outages and will allow for more precise outage source location prediction.

OMS system interface to the new CIS system: The OMS customer database is provided by a daily data exchange file from the CIS. If there are changes to customer accounts after the data update, the operations center is not updated with this information. Work order information between the CIS system and OMS system must be exchanged. Currently there is no interface between the two systems, thus requiring the Operations department to use paper tickets generated from the CIS system that are routed to the printer. These orders are entered into the OMS system for accurate historic capturing and for field dispatching. A report from the OMS system is generated for completion of meter orders in the CIS system. This is currently done by manual entry. An interface will allow data exchange between the two systems, updating of both systems as needed and eliminate the need for manual entry.

OMS system interface to the new AMS: The OMS provides the real time system and work order information for the crews in the field and for the System Operators to the system map. Any work being done on the system must be reflected on the dynamic, real time system map for safety, outage restoration and real time decisions. An interface is needed so that work entered in for the crews is represented on the system map and network map and time tracking is reported back to the AMS.

Restore: A system that will allow automatic/scheduled backups for the SCADA system. During a recent audit the auditors recommended an automated backup system for protected cyber assets.

Vulnerability and Risk Management Software: Purchase software to help identify vulnerabilities and risks to LP&L's cyber systems. This software will assist in providing support for NERC CIP requirements.

Equipment and Software Upgrades: Hardware and equipment upgrades to meet a five (5) year hardware change out program, the addition of vulnerability and risk management software, upgrades to interfaces (OMS, GIS, CCS), and additional equipment that may be required by NERC Standards.

FERC Accounts: 382, 383, 390

Estimated Useful Life: 10 years

*Project History*

\$615,000 was appropriated in the FY 2018-19 Budget, Ord. No. 2018-00109, October 1, 2018.

\$200,000 was appropriated in the FY 2020-21 Budget, Ord. No. 2020-00123, October 1, 2020.

\$300,000 was appropriated in the FY 2021-22 Budget, Ord. No. 2021-00126, October 1, 2021.

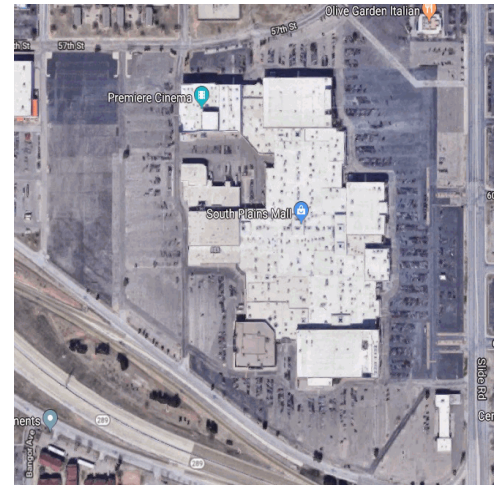


<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Furnishings, Fixtures, and Equipment	815,000	300,000	230,000	0	0	0	0	1,345,000
<b>Total Project Appropriation</b>	815,000	300,000	230,000	0	0	0	0	1,345,000

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2019 LP&L Cash	615,000	0	0	0	0	0	0	615,000
FY 2021 LP&L Cash	200,000	0	0	0	0	0	0	200,000
FY 2022 LP&L Cash	0	300,000	0	0	0	0	0	300,000
FY 2023 LP&L Cash	0	0	230,000	0	0	0	0	230,000
<b>Total Funding Sources</b>	815,000	300,000	230,000	0	0	0	0	1,345,000

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	0	0	0	0	0	0	0



*Managing Department* **7411-Distribution Supervision & Engineering***Project Manager* **Paul Koberlein***Project Classification* **Upgrade/Major Maintenance***Project Status* **Approved***Project Scope*

Upgrade, re-route, replace & install new distribution facilities as needed on South Plains Mall property to accommodate major expansion. This includes all necessary material, equipment, labor, contract, and engineering services.

*Project Justification*

In February of 2018, South Plains Mall approached LP&L about an ambitious plan for expansion. Due to delays related to the global pandemic COVID-19 and other items, their schedule has been pushed back, targeting completion to late 2023 to early 2024. This expansion calls for multiple primary lines to be re-routed or removed in addition to new installations to serve new tenants at the mall.

FERC Account: 366, 367, 368, 374

Estimated Useful Life: 40 years

*Project History*

\$410,000 was appropriated in the FY 2018-19 Budget, Ord. No. 2018-00109, October 1, 2018.

\$425,000 was appropriated in the FY 2019-20 Budget, Ord. No. 2019-00129, October 1, 2019.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	835,000	0	0	0	0	0	0	835,000
<b>Total Project Appropriation</b>	<b>835,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>835,000</b>

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2021 20-Year LP&L Revenue Bonds	835,000	0	0	0	0	0	0	835,000
<b>Total Funding Sources</b>	<b>835,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>835,000</b>

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

*Managing Department* **7418-Distribution Supervision & Engineering***Project Manager* **Lee Roy Martinez***Project Classification* **Replacement Infrastructure***Project Status* **Approved***Project Scope*

Install eight new distribution feeder lines from Red Raider Substation. This includes 4 dedicated circuits for TTU that will be routed from Quaker Ave east to absorb load from Texas Tech University (TTU) system properties, including but not limited to the Health Sciences Center. The remaining 4-circuits are dedicated to LP&L system feeders to absorb load from neighboring substation feeders. This project includes the engineering, material and construction costs associated with building new and re-configuring existing distribution lines to accommodate new circuits from the Red Raider substation.

*Project Justification*

Red Raider Substation was built to serve LP&L's system distribution needs as well as provide additional circuits to handle increasing electrical demand from TTU. These new feeder circuits will connect the new substation to existing circuits both on and off campus.

*Project History*

\$4,985,000 was appropriated in the FY 2018-19 Budget Amendment No. 5, Ord. No. 2019-O0001, January 22, 2019.

\$515,000 was appropriated in the FY 2019-20 Budget, Ord. No. 2019-O0129, October 1, 2019.

Decreased \$1,500,000 in the Appropriation-To-Date in the FY 2020-21 Budget.

\$1,565,000 was appropriated in the FY 2021-22 Budget, Ord. No. 2021-O0126, October 1, 2021.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	4,000,000	1,565,000	0	0	0	0	0	5,565,000
<b>Total Project Appropriation</b>	<b>4,000,000</b>	<b>1,565,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,565,000</b>

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2021 20-Year LP&L Revenue Bonds	4,000,000	0	0	0	0	0	0	4,000,000
LP&L 20-Year Revolving Note Program	0	1,565,000	0	0	0	0	0	1,565,000
<b>Total Funding Sources</b>	<b>4,000,000</b>	<b>1,565,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,565,000</b>

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Managing Department **Transmission And Distribution**Project Manager **Blair McGinnis**Project Classification **Replacement Infrastructure**Project Status **Approved***Project Scope*

The 345kV transmission line will interconnect Oncor's Blackwater Draw station, located in Hale County, with Oncor's Folsom Point Switch Station, located adjacent to LP&L's Yellow House Canyon station, near the X-Fab manufacturing facility. The 23-mile transmission line is a greenfield project which will be built by Oncor, but funded and owned by LP&L.

*Project Justification*

In Commission Docket No. 47576, the Commission approved LP&L's proposal to transition a portion of its system from the Southwest Power Pool (SPP) electric grid to the Electric Reliability Council of Texas (ERCOT) electric grid pursuant to a transmission interconnection plan known as Option "4ow" developed by ERCOT. The Commission determined that, under the terms of its order, the transition is in the public interest. This project is an important part of the infrastructure needed to ensure the LP&L system can safely and reliably operate in ERCOT.

Original cost estimates were higher than what the Certificate of Convenience and Necessity (CCN) analysis developed as the official cost estimate. Reducing budgeted amount for this project to support other projects that are part of the ERCOT Integration program and were not split out during initial project budgeting.

*Project History*

\$1,550,000 was appropriated in the FY 2018-19 Budget Amendment #7, February 12, 2019.

\$29,745,000 was appropriated in the FY 2019-20 Budget, Ord. No. 2019-00129, October 1, 2019.

Reduced appropriation by \$5,500,000 in FY 2019-20 Budget Amendment No. 4, Ord. No. 2019-00158, November 19, 2019.

Increased \$18,025,000 in the Appropriation-To-Date in the FY 2020-21 Budget.

Reduced appropriation by \$1,500,000 in FY 2020-21, Budget Amendment No. 23, Ord. No. 2020-00055, May 25, 2021.

Appropriation Detail	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	42,320,000	0	0	0	0	0	0	42,320,000
<b>Total Project Appropriation</b>	<b>42,320,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>42,320,000</b>

Funding Detail	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2018 30-Year LP&L Revenue Bonds	1,385,000	0	0	0	0	0	0	1,385,000
FY 2021 30-Year LP&L Revenue Bonds	40,935,000	0	0	0	0	0	0	40,935,000
<b>Total Funding Sources</b>	<b>42,320,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>42,320,000</b>

Managing Department **Transmission And Distribution**Project Manager **Blair McGinnis**Project Classification **Infrastructure Improvements**Project Status **Approved***Project Scope*

The transmission facilities will connect the existing Abernathy Station, located north of Abernathy in Hale County, to the existing Double Mountain Switch Station, located east of Lubbock in Lubbock County. The facilities will include a single-circuit 345-kilovolt (kV) electric transmission line on double-circuit capable structures in Hale and Lubbock counties, Texas. The transmission line will be approximately 34 miles in length. It is anticipated that LP&L will own the entirety of this facility.

*Project Justification*

In Commission Docket No. 47576, the Commission approved LP&L's proposal to transition a portion of its system from the Southwest Power Pool (SPP) electric grid to the Electric Reliability Council of Texas (ERCOT) electric grid pursuant to a transmission interconnection plan known as Option "4ow" developed by ERCOT. The Commission determined that, under the terms of its order, the transition is in the public interest. This project is an important part of the infrastructure needed to ensure the LP&L system can safely and reliably operate in ERCOT.

*Project History*

\$2,750,000 was appropriated in the FY 2018-19 Budget Amendment #7, February 12, 2019.

\$62,075,000 was appropriated in the FY 2019-20 Budget, Ord. No. 2019-00129, October 1, 2019.

Reduced appropriation by \$9,000,000 in FY 2019-20 Budget Amendment No. 4, Ord. No. 2019-00158, November 19, 2019.

Increased \$5,016,522 in the Appropriation-To-Date in the FY 2020-21 Budget.

Reduced appropriation by \$2,750,000 in FY 2020-21, BCR# 2021-03, November 24, 2020.

Reduced appropriation by \$1,000,000 in FY 2020-21, Budget Amendment No. 23, Ord. No. 2020-00055, May 25, 2021.

Appropriation Detail	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	57,091,522	0	0	0	0	0	0	57,091,522
<b>Total Project Appropriation</b>	57,091,522	0	0	0	0	0	0	57,091,522

Funding Detail	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2018 30-Year LP&L Revenue Bonds	3,555,000	0	0	0	0	0	0	3,555,000
FY 2021 30-Year LP&L Revenue Bonds	53,536,522	0	0	0	0	0	0	53,536,522
<b>Total Funding Sources</b>	57,091,522	0	0	0	0	0	0	57,091,522

Managing Department **Transmission And Distribution**Project Manager **Blair McGinnis**Project Classification **Infrastructure Improvements**Project Status **Approved***Project Scope*

The facilities will connect Oncor's new 345-kilovolt (kV) Double Mountain station, located on the east side of Lubbock and adjacent to LP&L's new 345/115kV Dunbar Substation, to Oncor's new 345kV Fiddlewood station, located southeast of Lubbock and adjacent to LP&L's new 345/115kV Posey Substation. The nine (9) mile transmission line will include a single-circuit on double-circuit capable structures. It is anticipated that LP&L will own most or all of this facility, depending on the final ownership division point.

*Project Justification*

In Commission Docket No. 47576, the Commission approved LP&L's proposal to transition a portion of its system from the Southwest Power Pool (SPP) electric grid to the Electric Reliability Council of Texas (ERCOT) electric grid pursuant to a transmission interconnection plan known as Option 4ow developed by ERCOT. The Commission determined that, under the terms of its order, the transition is in the public interest. This project is an important part of the infrastructure needed to ensure the LP&L system can safely and reliably operate in ERCOT.

*Project History*

\$1,000,000 was appropriated in the FY 2018-19 Budget Amendment #7, February 12, 2019.

\$20,225,000 was appropriated in the FY 2019-20 Budget, Ord. No. 2019-00129, October 1, 2019.

Reduced appropriation by \$6,012,532 in FY 2019-20, BCR# 1920-03, November 1, 2019.

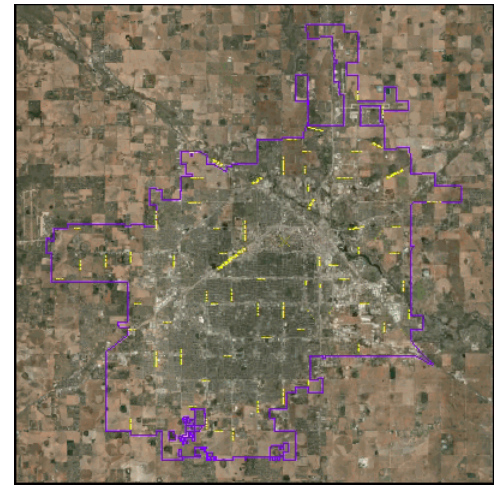
Increased \$2,667,532 in the Appropriation-To-Date in the FY 2020-21 Budget.

\$1,200,000 was appropriated in the FY 2020-21 Budget, Ord. No. 2020-00123, October 1, 2020.

\$5,900,000 was appropriated in FY 2020-21, BCR# 2021-3, November 24, 2020.

Appropriation Detail	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	24,980,000	0	0	0	0	0	0	24,980,000
<b>Total Project Appropriation</b>	<b>24,980,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24,980,000</b>

Funding Detail	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2021 30-Year LP&L Revenue Bonds	23,780,000	0	0	0	0	0	0	23,780,000
FY 2021 LP&L Cash	1,200,000	0	0	0	0	0	0	1,200,000
<b>Total Funding Sources</b>	<b>24,980,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24,980,000</b>

*Managing Department* **Facilities Management***Project Manager* **Wesley Everett***Project Classification* **New Facility***Project Status* **Approved***Project Scope*

Construction of a facility measuring approximately 2,500 sq. ft. to house the Geographic Information Systems (GIS) staff and operations. The facility will connect to the existing LP&L Engineering at Municipal Hill. Project will include furniture, equipment, servers and other related equipment for the operations of the GIS department.

*Project Justification*

Current GIS staff have out grown current space. LP&L will relocate to the Citizens Tower and GIS will relocate to Municipal Hill.

FERC Accounts: 390, 391

Estimated Useful Life: 30 years

*Project History*

GIS was located in the Lubbock Business Center when LP&L purchased and renovated the facility in the mid 90's. Due to the consolidation of City services, LP&L will relocate to the Citizens Tower. GIS will relocate to Municipal Hill.

FY 19-20 Design bid awarded, project design commenced.

FY 20-21 Design completed, construction bid awarded, construction started with project completion scheduled for August, 2021.

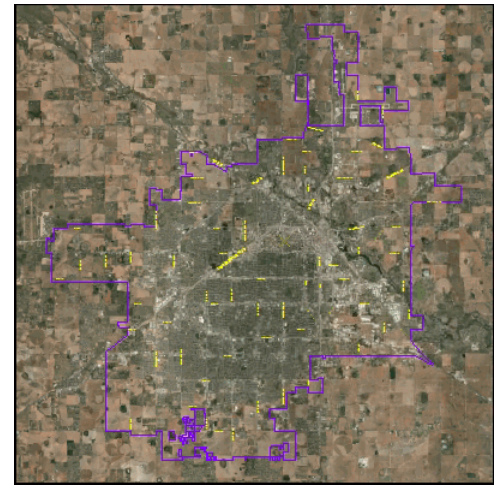
\$1,115,000 was appropriated in the FY 2019-20 Budget, Ord. No. 2019-00129, October 1, 2019.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	1,006,500	0	0	0	0	0	0	1,006,500
Design and Engineering	108,500	0	0	0	0	0	0	108,500
<b>Total Project Appropriation</b>	<b>1,115,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,115,000</b>

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2021 20-Year LP&L Revenue Bonds	1,115,000	0	0	0	0	0	0	1,115,000
<b>Total Funding Sources</b>	<b>1,115,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,115,000</b>

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Facilities Maintenance and Custodial	2,000	2,000	2,000	2,000	2,000	2,000	12,000
<b>Total Operating Budget Impact</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>12,000</b>



*Managing Department* **Transmission***Project Manager* **Luke Miller***Project Classification* **Upgrade/Major Maintenance***Project Status* **Approved***Project Scope*

Replace the transmission line relay protection on the transmission lines out of the substation and assess the substation to determine if any modifications or upgrades are required in preparation for the new system configuration following the installation of the 115kV transmission loop. The assessment includes, but is not limited to: analyzing the power flows through the substations; verifying the existing equipment will handle/carry the power/currents safely; analyzing the existing Alternating Current (AC) voltage and Direct Current (DC) voltage system requirements; and updating ratings of the bus, breakers, switches, and 2 potential transformers (PTs). The project includes the engineering, design, materials, and construction costs associated with upgrading the Northeast substation.

*Project Justification*

The existing electromechanical transmission line protection relays in the affected substations do not provide adequate protection. The installation of microprocessor relays will allow LP&L to further improve the reliability of the transmission system by providing adequate and redundant protection. These new digital relays will constantly monitor the health of the system, instantly alarm for abnormal conditions, and more importantly clear system disturbances quickly and as necessary. The current transformers (CTs) in the existing circuit breakers do not have the proper ratings required, thereby reducing the rating of the transmission line. The transmission line rating is what determines how much power the transmission lines can safely carry. The load flows on the 69kV transmission system will be compared to the rating of the substation current carrying equipment. This equipment will need to be replaced if the current ratings do not meet or exceed the requirements.

FERC Accounts: 353

Estimated Useful Life: 30 years

*Project History*

\$505,000 was appropriated in the FY 2019-20 Budget, Ord. No. 2019-00129, October 1, 2019.

\$3,160,000 was appropriated in FY 2019-20 Budget Amendment No. 5 Ord. No. 2020-00039, March 24, 2020.

Reduced appropriation by \$1,400,000 in FY 2020-21, BCR# 2021-03, November 24, 2020.

Reduced appropriation by \$465,000 in FY 2020-21, BCR# 2021-08, March 22, 2021.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	1,350,000	0	0	0	0	0	0	1,350,000
Design and Engineering	450,000	0	0	0	0	0	0	450,000
<b>Total Project Appropriation</b>	<b>1,800,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,800,000</b>

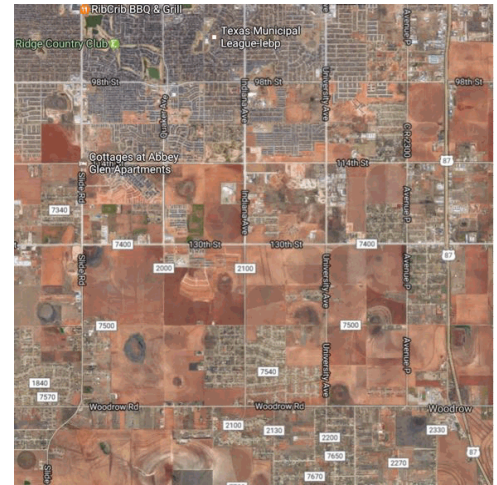
<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2021 30-Year LP&L Revenue Bonds	1,800,000	0	0	0	0	0	0	1,800,000
<b>Total Funding Sources</b>	<b>1,800,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,800,000</b>

*Managing Department* **Transmission And Distribution**

*Project Manager* **Blair McGinnis**

*Project Classification* **Infrastructure Improvements**

*Project Status* **Approved**



#### *Project Scope*

The "4ow" approved by the Public Utility Commission of Texas (PUCT) requires two 115kV feeds into LP&L's existing south loop. This line fulfills one of those needs. The transmission line conductor is planned to be 959.6 aluminum conductor steel supported thermal wire (ACSS/TW) with an optical ground wire (OPGW) static neutral wire. However, the final determination of the conductor is subject to change based on the engineering analyses of the physical construction. The primary factor to consider is the percent loading of the line and the effective sag it has on the line. The project includes the estimated engineering, ROW acquisition, material, and construction cost associated with constructing the transmission line.

#### *Project Justification*

The "4ow" approved by the PUCT, calls for two 115kV feeds from Posey substation. Posey to Southeast and Posey to Oliver transmission lines must be independent projects.

#### *Project History*

\$14,702,427 was appropriated in FY 2019-20 Budget Amendment No. 4, Ord. No. 2019-00158, November 19, 2019.

Increased \$1,867,573 in the Appropriation-To-Date in the FY 2020-21 Budget.

\$2,900,000 was appropriated in FY 2020-21, BCR# 2021-3, November 24, 2020.

Reduced appropriation by \$1,000,000 in FY 2020-21, BCR# 2021-08, March 22, 2021.

Reduced appropriation by \$3,500,000 in FY 2020-21, Budget Amendment No. 23, Ord. No. 2020-00055, May 25, 2021.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	14,970,000	0	0	0	0	0	0	14,970,000
<b>Total Project Appropriation</b>	14,970,000	0	0	0	0	0	0	14,970,000

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2021 30-Year LP&L Revenue Bonds	14,970,000	0	0	0	0	0	0	14,970,000
<b>Total Funding Sources</b>	14,970,000	0	0	0	0	0	0	14,970,000

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	0	0	0	0	0	0	0

*Managing Department* **Transmission And Distribution***Project Manager* **Luke Miller***Project Classification* **Infrastructure Improvements***Project Status* **Approved***Project Scope*

This project includes the transformer pad, 345kV breaker pad, 115kV meters, 345kV capacitor voltage transformer (CCVT), 345kV takeoff structure, switches, bus work, control cabling, and associated protection package.

*Project Justification*

This work is required to tie LP&L's existing Dunbar station to the 345kV feed. The work will be executed in conjunction with Capital Improvement Project (CIP) 92666.

*Project History*

\$2,000,000 was appropriated in FY 2019-20 Budget Amendment No. 4, Ord. No. 2019-00158, November 19, 2019.

\$2,550,000 was appropriated in FY 2019-20, BCR# 1920-8, June 3, 2020.

Decreased \$3,550,000 in the Appropriation-To-Date in the FY 2020-21 Budget.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	1,000,000	0	0	0	0	0	0	1,000,000
<b>Total Project Appropriation</b>	1,000,000	0	0	0	0	0	0	1,000,000

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2021 30-Year LP&L Revenue Bonds	1,000,000	0	0	0	0	0	0	1,000,000
<b>Total Funding Sources</b>	1,000,000	0	0	0	0	0	0	1,000,000

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	0	0	0	0	0	0	0

*Managing Department* **Transmission And Distribution***Project Manager* **Luke Miller***Project Classification* **Replacement Infrastructure***Project Status* **Approved***Project Scope*

This project includes the transformer pad, 345kV breaker pad, 115kV meters, 345kV capacitor voltage transformer (CCVT), 345kV takeoff structure, switches, bus work, control cabling, and associated protection package.

*Project Justification*

This work is required to tie LP&L's existing station to the 345kV feed. The work will be executed in conjunction with Capital Improvement Project (CIP) 92464.

*Project History*

\$2,000,000 was appropriated in FY 2019-20 Budget Amendment No. 4, Ord. No. 2019-00158, November 19, 2019.

\$2,450,000 was appropriated in FY 2019-20, BCR# 1920-8, June 3, 2020.

Decreased \$3,450,000 in the Appropriation-To-Date in the FY 2020-21 Budget.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	1,000,000	0	0	0	0	0	0	1,000,000
<b>Total Project Appropriation</b>	1,000,000	0	0	0	0	0	0	1,000,000

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2021 30-Year LP&L Revenue Bonds	1,000,000	0	0	0	0	0	0	1,000,000
<b>Total Funding Sources</b>	1,000,000	0	0	0	0	0	0	1,000,000

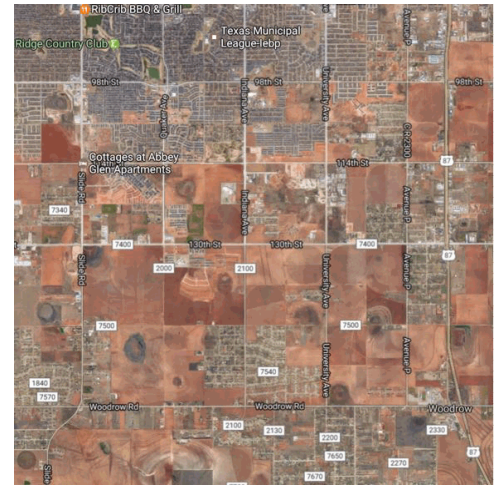
<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	0	0	0	0	0	0	0

*Managing Department*      **Transmission And Distribution**

*Project Manager*            **Luke Miller**

*Project Classification*      **Replacement Infrastructure**

*Project Status*                **Approved**



#### *Project Scope*

This project includes the bay addition required to receive the 115kV circuit from Posey, including bus, switches, breakers, take off structures, and other related materials and equipment.

#### *Project Justification*

This work is required to tie LP&L's existing station to the 345kV feed. The work will be executed in conjunction with Capital Improvement Project (CIP) 92470.

#### *Project History*

\$750,000 was appropriated in FY 2019-20 Budget Amendment No. 4, Ord. No. 2019-00158, November 19, 2019.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	750,000	0	0	0	0	0	0	750,000
<b>Total Project Appropriation</b>	<b>750,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>750,000</b>

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2021 30-Year LP&L Revenue Bonds	750,000	0	0	0	0	0	0	750,000
<b>Total Funding Sources</b>	<b>750,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>750,000</b>

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

*Managing Department* **Transmission And Distribution***Project Manager* **Luke Miller***Project Classification* **Replacement Infrastructure***Project Status* **Approved***Project Scope*

This project includes the bay addition required to receive the 115kV circuit from Posey, including bus, switches, breakers, take off structures, and other related materials and equipment.

*Project Justification*

This work is required to tie LP&L's existing station to the 345kV feed. The work will be executed in conjunction with Capital Improvement Project (CIP) 92407.

*Project History*

\$750,000 was appropriated in FY 2019-20 Budget Amendment No. 4, Ord. No. 2019-O0158, November 19, 2019.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	750,000	0	0	0	0	0	0	750,000
<b>Total Project Appropriation</b>	<b>750,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>750,000</b>

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2021 30-Year LP&L Revenue Bonds	750,000	0	0	0	0	0	0	750,000
<b>Total Funding Sources</b>	<b>750,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>750,000</b>

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>



Managing Department **Transmission And Distribution**Project Manager **Luke Miller**Project Classification **Replacement Infrastructure**Project Status **Approved***Project Scope*

Construct a new Dunbar substation, which will be a 115kV rated breaker-and-a-half substation. The new substation configuration, layout, and design will follow an initial substation assessment and LP&L planning criteria. The assessment will provide LP&L the best available options. The number of positions/breakers will be determined by the customer requirements and the land that is available at the proposed site. This current project includes the assessment of the substation requirements and budgetary estimate based on a two-transformer site with five-transmission line positions. The completed assessment will ultimately provide the engineering, materials, and construction costs associated with building this substation.

*Project Justification*

The new substation is required to provide greater reliability, supply the required power needs, and provide distribution support to the surrounding LP&L distribution system.

*Project History*

\$9,000,000 was appropriated in FY 2019-20 Budget Amendment No. 4, Ord. No. 2019-00158, November 19, 2019.

\$1,300,000 was appropriated in FY 2019-20, BCR# 1920-8, June 3, 2020.

Increased \$3,022,434 in the Appropriation-To-Date in the FY 2020-21 Budget.

Reduced appropriation by \$3,020,000 in FY 2020-21, BCR# 2021-03, November 24, 2020.

Appropriation Detail	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	10,302,434	0	0	0	0	0	0	10,302,434
<b>Total Project Appropriation</b>	10,302,434	0	0	0	0	0	0	10,302,434

Funding Detail	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2018 30-Year LP&L Revenue Bonds	1,690,656	0	0	0	0	0	0	1,690,656
FY 2021 30-Year LP&L Revenue Bonds	8,611,778	0	0	0	0	0	0	8,611,778
<b>Total Funding Sources</b>	10,302,434	0	0	0	0	0	0	10,302,434

Operating Budget Impact	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	0	0	0	0	0	0	0

This project is for the upgrades to the existing Wadsworth station for the 115kV conversion program only. This includes replacing the existing Co-op and Holly line protection panels, 115kV potential transformers (PTs) relocations, surge arrester replacements, second trip coils and second battery addition. The existing Holly line will now be bisected by the Greenfield substation (Dunbar).

The work at the Wadsworth substation is required to upgrade the protection for the existing 115kV potential transformers, and upgrading the remaining 115kV breakers to match current protection and controls to include the installation of the additional/redundant trip coils.

\$1,500,000 was appropriated in FY 2019-20 Budget Amendment No. 5 Ord. No. 2020-00039, March 24, 2020. Reduced appropriation by \$400,000 in FY 2020-21, BCR# 2021-08, March 22, 2021.

Operating Budget Impact	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	0	0	0	0	0	0	0



*Managing Department* **7611- Transmission Supervision & Engineering***Project Manager* **Luke Miller***Project Classification* **Upgrade/Major Maintenance***Project Status* **Approved***Project Scope*

This project will replace the Northeast Station's existing switchgear and upgrade the relay protection. The relay protection upgrade includes; relay protection for the additional feeders and 69kV bus protection. This project will include the engineering, materials, and construction costs associated with the project.

*Project Justification*

The switchgear replacement is required to conform to the new LP&L standard substation design. Each of the transformers will connect to new overhead open air distribution busses that will serve 4 distribution feeder circuits. This new open air design configuration is easily expandable and safer than the existing metal-clad switchgear.

The new relay protection for the transformers, feeders, and busses is required to implement the new LP&L standard design for a fully integrated substation protection package. This protection is designed to quickly isolate faulted parts of the distribution and transmission system in order to protect the equipment, protect the unaffected parts of the system, and to improve the reliability of the electric network. The relay protection includes primary and backup protection for all protection areas/schemes.

*Project History*

\$600,000 was appropriated in the FY 2020-21 Budget, Ord. No. 2020-00123, October 1, 2020.

\$7,555,000 was appropriated in the FY 2021-22 Budget, Ord. No. 2021-00126, October 1, 2021.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	0	7,555,000	0	0	0	0	0	7,555,000
Design and Engineering	600,000	0	0	0	0	0	0	600,000
<b>Total Project Appropriation</b>	600,000	7,555,000	0	0	0	0	0	8,155,000

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2018 20-Year LP&L Revenue Bonds	600,000	0	0	0	0	0	0	600,000
LP&L 20-Year Revolving Note Program	0	7,555,000	0	0	0	0	0	7,555,000
<b>Total Funding Sources</b>	600,000	7,555,000	0	0	0	0	0	8,155,000

*Managing Department* **Transmission***Project Manager* **Luke Miller***Project Classification* **Infrastructure Improvements***Project Status* **Approved***Project Scope*

Engineering, testing, and construction efforts to support the cutover of a portion of the LP&L system from the Southwest Power Pool (SPP) to the Electric Reliability Council of Texas (ERCOT) grid. Both external and internal resources must be available for roughly two weeks, to include a transmission line crew, relay technician(s), and other personnel to facilitate physical work required during the cutover sequence and immediately respond to any issues that are found during the cutover.

*Project Justification*

LP&L is planning to move a portion of its load from the SPP to the ERCOT grid.

*Project History*

\$375,000 was appropriated in the FY 2020-21 Budget, Ord. No. 2020-00123, October 1, 2020.

\$75,000 was appropriated in FY 2020-21, BCR# 2021-8, March 22, 2021.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	275,000	0	0	0	0	0	0	275,000
Design and Engineering	175,000	0	0	0	0	0	0	175,000
<b>Total Project Appropriation</b>	<b>450,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>450,000</b>

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2017 30-Year LP&L Revenue Bonds	324,433	0	0	0	0	0	0	324,433
FY 2018 30-Year LP&L Revenue Bonds	17,565	0	0	0	0	0	0	17,565
FY 2021 30-Year LP&L Revenue Bonds	108,002	0	0	0	0	0	0	108,002
<b>Total Funding Sources</b>	<b>450,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>450,000</b>

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

*Managing Department* **Transmission***Project Manager* **Luke Miller***Project Classification* **Infrastructure Improvements***Project Status* **Approved***Project Scope*

Engineering, testing, and construction efforts to support the actual voltage conversion from 69kV to 115kV. This scope covers the labor from multiple disciplines required to coordinate, test, and physically transfer the system voltage. This effort was not previously contemplated in each station or line scope.

*Project Justification*

LP&L is planning to convert and operate a portion of its electric grid from 69kV to 115kV. While LP&L will be maintaining an interior 69kV loop, there will be an outer loop converted to 115kV. This will allow for the connection with the Electric Reliability Council of Texas (ERCOT), and help increase reliability across the LP&L systems.

*Project History*

\$1,000,000 was appropriated in the FY 2020-21 Budget, Ord. No. 2020-00123, October 1, 2020.

\$75,000 was appropriated in FY 2020-21, BCR# 2021-8, March 22, 2021.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	900,000	0	0	0	0	0	0	900,000
Design and Engineering	175,000	0	0	0	0	0	0	175,000
<b>Total Project Appropriation</b>	<b>1,075,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,075,000</b>

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2021 30-Year LP&L Revenue Bonds	1,075,000	0	0	0	0	0	0	1,075,000
<b>Total Funding Sources</b>	<b>1,075,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,075,000</b>

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Managing Department **7419-Distribution Meter Shop**Project Manager **Ronny Smith**Project Classification **Replacement Infrastructure**Project Status **Approved***Project Scope*

This project is for the purchase of The Advanced Metering Infrastructure (AMI) meters, meter bases, potential transformers, current transformers, meter sockets, and related equipment and materials for metering customers.

*Project Justification*

Provide for the purchase of Advanced Metering Infrastructure (AMI) meters and related equipment to be used for the registration of electric kilowatt hours and demand.

*Project History*

\$226,000 was appropriated in the FY 2020-21 Budget, Ord. No. 2020-00123, October 1, 2020.

\$235,000 was appropriated in the FY 2021-22 Budget, Ord. No. 2021-00126, October 1, 2021.

Appropriation Detail	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	226,000	235,000	275,000	310,000	320,000	330,000	340,000	2,036,000
<b>Total Project Appropriation</b>	226,000	235,000	275,000	310,000	320,000	330,000	340,000	2,036,000

Funding Detail	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2021 LP&L Cash	226,000	0	0	0	0	0	0	226,000
FY 2022 LP&L Cash	0	235,000	0	0	0	0	0	235,000
FY 2023 LP&L Cash	0	0	275,000	0	0	0	0	275,000
FY 2024 LP&L Cash	0	0	0	310,000	0	0	0	310,000
FY 2025 LP&L Cash	0	0	0	0	320,000	0	0	320,000
FY 2026 LP&L Cash	0	0	0	0	0	330,000	0	330,000
FY 2027 LP&L Cash	0	0	0	0	0	0	340,000	340,000
<b>Total Funding Sources</b>	226,000	235,000	275,000	310,000	320,000	330,000	340,000	2,036,000

Operating Budget Impact	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	0	0	0	0	0	0	0

*Managing Department* **7411-Distribution Supervision & Engineering***Project Manager* **Mark Clay***Project Classification* **Replacement Infrastructure***Project Status* **Approved***Project Scope*

The project is for the purchase of overhead transformers, pad mount transformers, switchgear and other related equipment.

*Project Justification*

These items will be used for maintenance, capacity upgrades and new services within LP&L's service territory.

FERC Accounts: 368

Estimated Useful Life: 30 years.

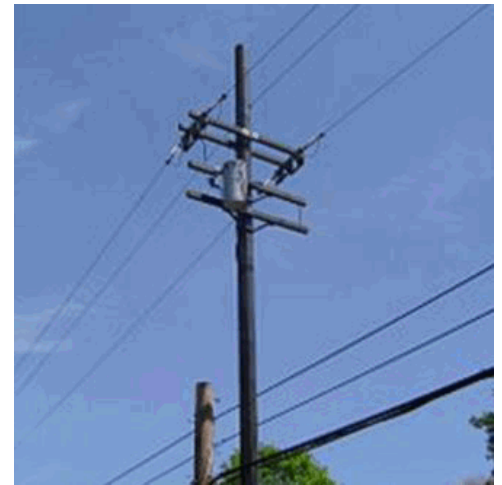
*Project History*

\$3,500,000 was appropriated in the FY 2020-21 Budget, Ord. No. 2020-00123, October 1, 2020.

\$2,200,000 was appropriated in the FY 2021-22 Budget, Ord. No. 2021-00126, October 1, 2021.

<i>Appropriation Detail</i>	Appropriation to Date	FY 2021-22	Unappropriated Planning Years					Total Project Amount
			FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	3,500,000	2,200,000	2,950,000	3,100,000	3,250,000	3,400,000	3,550,000	21,950,000
<b>Total Project Appropriation</b>	<b>3,500,000</b>	<b>2,200,000</b>	<b>2,950,000</b>	<b>3,100,000</b>	<b>3,250,000</b>	<b>3,400,000</b>	<b>3,550,000</b>	<b>21,950,000</b>

<i>Funding Detail</i>	Funding to Date	FY 2021-22	Unappropriated Planning Years					Total Funding
			FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2021 LP&L Cash	3,500,000	0	0	0	0	0	0	3,500,000
FY 2022 LP&L Cash	0	2,200,000	0	0	0	0	0	2,200,000
FY 2023 LP&L Cash	0	0	2,950,000	0	0	0	0	2,950,000
FY 2024 LP&L Cash	0	0	0	3,100,000	0	0	0	3,100,000
FY 2025 LP&L Cash	0	0	0	0	3,250,000	0	0	3,250,000
FY 2026 LP&L Cash	0	0	0	0	0	3,400,000	0	3,400,000
FY 2027 LP&L Cash	0	0	0	0	0	0	3,550,000	3,550,000
<b>Total Funding Sources</b>	<b>3,500,000</b>	<b>2,200,000</b>	<b>2,950,000</b>	<b>3,100,000</b>	<b>3,250,000</b>	<b>3,400,000</b>	<b>3,550,000</b>	<b>21,950,000</b>

*Managing Department* **Distribution***Project Manager* **Lee Roy Martinez***Project Classification* **Infrastructure Improvements***Project Status* **Approved***Project Scope*

This project consist of any required work in upgrading the distribution system be reconductoring or rebuilding existing lines that require capacity upgrades or lines that have exceeded their life expectancy. This project includes the engineering, material and construction cost associated with re-conducting, rebuilding or removal of 4, 15 and/or 23kv circuits on the distribution system to improve system efficiency and reliability.

*Project Justification*

The majority of LP&L's distribution lines have exceeded their life expectancy. It is critical that the utility begins to replace these lines over time.

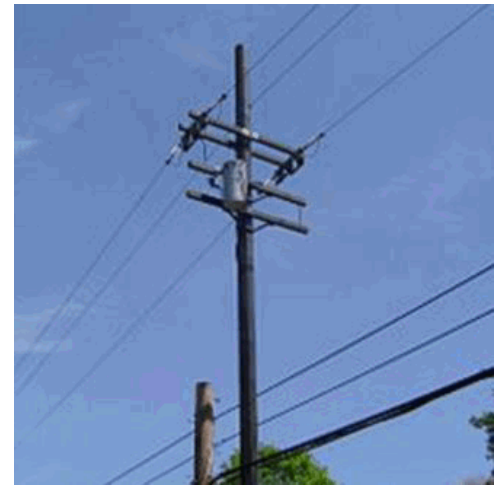
*Project History*

\$5,625,000 was appropriated in the FY 2020-21 Budget, Ord. No. 2020-O0123, October 1, 2020.

\$2,250,000 was appropriated in the FY 2021-22 Budget, Ord. No. 2021-O0126, October 1, 2021.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	5,625,000	2,000,000	2,000,000	2,700,000	2,951,950	2,392,000	1,940,000	19,608,950
Design and Engineering	0	250,000	275,000	300,000	328,050	263,000	210,000	1,626,050
<b>Total Project Appropriation</b>	5,625,000	2,250,000	2,275,000	3,000,000	3,280,000	2,655,000	2,150,000	21,235,000

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2021 LP&L Cash	5,625,000	0	0	0	0	0	0	5,625,000
FY 2022 LP&L Cash	0	2,250,000	0	0	0	0	0	2,250,000
FY 2023 LP&L Cash	0	0	2,275,000	0	0	0	0	2,275,000
FY 2024 LP&L Cash	0	0	0	3,000,000	0	0	0	3,000,000
FY 2025 LP&L Cash	0	0	0	0	3,280,000	0	0	3,280,000
FY 2026 LP&L Cash	0	0	0	0	0	2,655,000	0	2,655,000
FY 2027 LP&L Cash	0	0	0	0	0	0	2,150,000	2,150,000
<b>Total Funding Sources</b>	5,625,000	2,250,000	2,275,000	3,000,000	3,280,000	2,655,000	2,150,000	21,235,000

*Managing Department* **7418-Distribution Engineering Construction***Project Manager* **Tim Stice***Project Classification* **Infrastructure Improvements***Project Status* **Approved***Project Scope*

Purchase of materials and the installation or extension of new overhead distribution lines to serve customers of LP&L.

*Project Justification*

Provide for upgrades and the new overhead primary and/or secondary lines to include poles, wire, insulators, ties, guy wires, and any other equipment necessary for the installation of overhead lines, and employment of independent contractors for larger projects.

*Project History*

\$2,424,000 was appropriated in the FY 2020-21 Budget, Ord. No. 2020-00123, October 1, 2020.

\$2,424,000 was appropriated in the FY 2021-22 Budget, Ord. No. 2021-00126, October 1, 2021.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	2,181,600	2,181,600	2,398,500	2,641,500	2,880,000	3,168,000	3,483,000	18,934,200
Design and Engineering	242,400	242,400	266,500	293,500	320,000	352,000	387,000	2,103,800
<b>Total Project Appropriation</b>	<b>2,424,000</b>	<b>2,424,000</b>	<b>2,665,000</b>	<b>2,935,000</b>	<b>3,200,000</b>	<b>3,520,000</b>	<b>3,870,000</b>	<b>21,038,000</b>

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2021 LP&L Cash	2,424,000	0	0	0	0	0	0	2,424,000
FY 2022 LP&L Cash	0	2,424,000	0	0	0	0	0	2,424,000
FY 2023 LP&L Cash	0	0	2,665,000	0	0	0	0	2,665,000
FY 2024 LP&L Cash	0	0	0	2,935,000	0	0	0	2,935,000
FY 2025 LP&L Cash	0	0	0	0	3,200,000	0	0	3,200,000
FY 2026 LP&L Cash	0	0	0	0	0	3,520,000	0	3,520,000
FY 2027 LP&L Cash	0	0	0	0	0	0	3,870,000	3,870,000
<b>Total Funding Sources</b>	<b>2,424,000</b>	<b>2,424,000</b>	<b>2,665,000</b>	<b>2,935,000</b>	<b>3,200,000</b>	<b>3,520,000</b>	<b>3,870,000</b>	<b>21,038,000</b>

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

*Managing Department*      **7418-Distribution Engineering Construction**

*Project Manager*            **Greg Pillow**

*Project Classification*      **Infrastructure Improvements**

*Project Status*                **Approved**



#### *Project Scope*

Purchase and installation of approximately 175 light-emitting diode (LED) residential street lights annually inside the city limits. The project includes street light poles, arms, lights and any conductors, cables or materials needed to power the lights. Purchase and installation of street lights for ordinance compliance and relocation within developed areas of the city.

#### *Project Justification*

LP&L has been tasked with the installation of street lights throughout the City of Lubbock. Per ordinance developers are charged \$2,500 for each residential street light plus \$70 for inspection.

#### *Project History*

\$484,600 was appropriated in the FY 2020-21 Budget, Ord. No. 2020-00123, October 1, 2020.

\$550,000 was appropriated in the FY 2021-22 Budget, Ord. No. 2021-00126, October 1, 2021.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	436,140	500,000	508,500	526,500	540,000	558,000	576,000	3,645,140
Design and Engineering	48,460	50,000	56,500	58,500	60,000	62,000	64,000	399,460
<b>Total Project Appropriation</b>	<b>484,600</b>	<b>550,000</b>	<b>565,000</b>	<b>585,000</b>	<b>600,000</b>	<b>620,000</b>	<b>640,000</b>	<b>4,044,600</b>

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2021 LP&L Cash	484,600	0	0	0	0	0	0	484,600
FY 2022 LP&L Cash	0	550,000	0	0	0	0	0	550,000
FY 2023 LP&L Cash	0	0	565,000	0	0	0	0	565,000
FY 2024 LP&L Cash	0	0	0	585,000	0	0	0	585,000
FY 2025 LP&L Cash	0	0	0	0	600,000	0	0	600,000
FY 2026 LP&L Cash	0	0	0	0	0	620,000	0	620,000
FY 2027 LP&L Cash	0	0	0	0	0	0	640,000	640,000
<b>Total Funding Sources</b>	<b>484,600</b>	<b>550,000</b>	<b>565,000</b>	<b>585,000</b>	<b>600,000</b>	<b>620,000</b>	<b>640,000</b>	<b>4,044,600</b>



*Managing Department* **7418-Distribution Supervision & Engineering***Project Manager* **David Stinebaugh***Project Classification* **Infrastructure Improvements***Project Status* **Approved***Project Scope*

Purchase and installation of the new underground system for LP&L to serve new and existing customers.

*Project Justification*

Provide for the installation of new or replacement underground primary and/or secondary lines used to provide electric services to new and existing customers.

*Project History*

\$2,876,500 was appropriated in the FY 2020-21 Budget, Ord. No. 2020-00123, October 1, 2020.

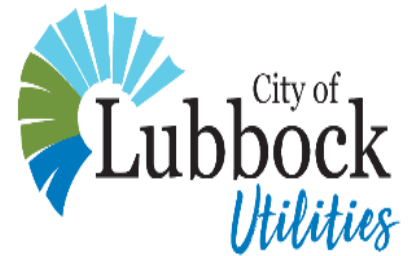
\$2,965,500 was appropriated in the FY 2021-22 Budget, Ord. No. 2021-00126, October 1, 2021.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	2,588,850	2,669,000	2,745,000	2,831,000	2,916,000	3,001,000	3,086,000	19,836,850
Design and Engineering	287,650	296,500	305,000	314,000	324,000	334,000	344,000	2,205,150
<b>Total Project Appropriation</b>	<b>2,876,500</b>	<b>2,965,500</b>	<b>3,050,000</b>	<b>3,145,000</b>	<b>3,240,000</b>	<b>3,335,000</b>	<b>3,430,000</b>	<b>22,042,000</b>

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2021 LP&L Cash	2,876,500	0	0	0	0	0	0	2,876,500
FY 2022 LP&L Cash	0	2,965,500	0	0	0	0	0	2,965,500
FY 2023 LP&L Cash	0	0	3,050,000	0	0	0	0	3,050,000
FY 2024 LP&L Cash	0	0	0	3,145,000	0	0	0	3,145,000
FY 2025 LP&L Cash	0	0	0	0	3,240,000	0	0	3,240,000
FY 2026 LP&L Cash	0	0	0	0	0	3,335,000	0	3,335,000
FY 2027 LP&L Cash	0	0	0	0	0	0	3,430,000	3,430,000
<b>Total Funding Sources</b>	<b>2,876,500</b>	<b>2,965,500</b>	<b>3,050,000</b>	<b>3,145,000</b>	<b>3,240,000</b>	<b>3,335,000</b>	<b>3,430,000</b>	<b>22,042,000</b>

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>



Managing Department **7512-Customer Service**Project Manager **Jamie Wood**Project Classification **Administrative**Project Status **Approved***Project Scope*

This project is for the technology upgrade, implementation, training, legal and consultant services needed as LP&L creates a system required to provide data for the Electric Reliability Council of Texas (ERCOT) Transmission/Distribution Service Provider (TDSP). Technology upgrades to the Oracle Customer Cloud Service (CCS) include the project management, Q A, testing, and training consultants. Managed Services as well as implementation/project management consulting will be necessary due to the legalistic and technical nature of the project as well as the timing of the project work in concurrence with other high profile projects. This project cost includes a new software application, interface work, and associated personnel costs.

The following are key components required to create a system that relays LP&L's information to TDSP:

- Technology Upgrade to Oracle CCS (conversion of electric data)
- Complete ERCOT Municipally Owned Utility (MOU) and Electric Cooperatives (EC) opt-in checklist.
- Obtain management consultants, personnel resources, update policies and procedures, and provide training for internal staff.
- Communication between ERCOT/REP
- ERCOT in flight testing
- Interface to Energov

*Project Justification*

As LP&L transitions into the ERCOT market there is compliance reporting and information that must be reported to ERCOT by LP&L for retailers and public use which includes data sets and their characteristics. The technology and training for creating and transferring the data is a task that will require the assistance of outsourced companies in order to receive the proper training and resources needed to complete the task.

*Project History*

\$3,550,000 was appropriated in the FY 2020-21 Budget, Ord. No. 2020-00123, October 1, 2020.

Reduced appropriation by \$850,000 in FY 2020-21, BCR# 2021-04, January 13, 2021.

Reduced appropriation by \$1,200,000 in FY 2020-21, BCR# 2021-10, April 16, 2021.

\$7,365,000 was appropriated in the FY 2021-22 Budget, Ord. No. 2021-00126, October 1, 2021.

Appropriation Detail	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	80,000	365,000	90,000	0	0	0	0	535,000
Design and Engineering	1,420,000	7,000,000	4,500,000	0	0	0	0	12,920,000
<b>Total Project Appropriation</b>	<b>1,500,000</b>	<b>7,365,000</b>	<b>4,590,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13,455,000</b>

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2018 10-Year LP&L Revenue Bonds	1,500,000	0	0	0	0	0	0	1,500,000
FY 2019 LP&L Cash	0	1,038,099	0	0	0	0	0	1,038,099
FY 2020 LP&L Cash	0	1,183,916	0	0	0	0	0	1,183,916
FY 2022 LP&L Cash	0	5,142,985	0	0	0	0	0	5,142,985
FY 2023 LP&L Cash	0	0	4,590,000	0	0	0	0	4,590,000
<b>Total Funding Sources</b>	1,500,000	7,365,000	4,590,000	0	0	0	0	13,455,000

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	0	0	0	0	0	0	0

Managing Department **7418-Distribution Engineering Construction**Project Manager **Greg Pillow**Project Classification **Upgrade/Major Maintenance**Project Status **Approved***Project Scope*

Replace series street light facilities along East Broadway with new and modern street light facilities including light-emitting diode (LED) fixtures. Project limits are along East Broadway St. from Ave. A to Oak Ave. The project includes engineering design, planning, construction and materials including new poles, arms, fixtures, conductors, conduit, fuses and relay controllers.

*Project Justification*

Series street light circuits are antiquated, obsolete and dangerous. New materials can no longer be ordered to maintain such facilities. This project will improve aesthetics, reduce maintenance costs and provide better illumination along the East Broadway corridor.

*Project History*

\$420,000 was appropriated in the FY 2020-21 Budget, Ord. No. 2020-00123, October 1, 2020.

\$300,000 was appropriated in the FY 2021-22 Budget, Ord. No. 2021-00126, October 1, 2021.

Appropriation Detail	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	380,000	300,000	0	0	0	0	0	680,000
Design and Engineering	40,000	0	0	0	0	0	0	40,000
<b>Total Project Appropriation</b>	<b>420,000</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>720,000</b>

Funding Detail	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2021 LP&L Cash	420,000	0	0	0	0	0	0	420,000
FY 2022 LP&L Cash	0	300,000	0	0	0	0	0	300,000
<b>Total Funding Sources</b>	<b>420,000</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>720,000</b>

Operating Budget Impact	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>



*Managing Department*      **Electric Utilities Admin**

*Project Manager*            **Felix Orta**

*Project Classification*      **New Equipment/Fleet**

*Project Status*                **Approved**



*Project Scope*

The following vehicles and equipment need costly repairs or have become unreliable and will be replaced with a similar unit (with the exception of Street Lights, Engineering, and Transmission, three of the units will be replaced with 4 wheel drive units):

GIS:

12007100 2007 Chevrolet C1500

Underground:

42008100 2008 International Derrick

Overhead:

42009062 2009 International Derrick

42009063 2009 International Derrick

42009065 2009 International Derrick

42009058 2009 International Bucket

42009060 2009 International Bucket

42009061 2009 International Derrick

Street Light:

22009030 2009 Chevrolet 2500

52011006 2010 Dodge 5500

Substation:

01985072 1985 Wells Cargo Trailer

2000137 2000 Fiber Trailer

Service:

52012001 2012 Ford F550

52012002 2012 Ford F550

52012004 2012 Ford F550

Engineering:

12007096 2007 Chevrolet C1500

Distribution Load Dispatch:

12007141 2007 Chevrolet Colorado

Transmission:

12007142 2007 Chevrolet Colorado

Admin: Rotary Lift 2 Post Symmetrical Heavy Truck Lift 12,000 lbs

The following vehicle is a new addition to the fleet due to the need in the Distribution Load Dispatch Department which requires driving between control centers multiple times a week, responding to all breaker lockouts 24x7 when applicable, and also to meet field crews at substations or various field locations when researching in depth switching projects.

Distribution Load Dispatch:  
Double Cab 4x4 Pickup

If funding is available after the above items are purchased, additional vehicle or equipment items may be purchased as necessary.

*Project Justification*

The vehicles and heavy equipment above have been inspected and deemed unreliable. This is causing delays in service, response times, and productivity. Future funding is necessary for replacement vehicles and equipment currently on the replacement list. The list is reviewed each year to determine the actual need for replacement.

FERC Accounts: 392, 394, 396

Estimated Useful Lives:

- \*Pickups - 12 years
- \*Derrick - 10 years
- \*Bucket - 7 years
- \*Trailers - 15 years
- \*Backhoe - 15 years
- \*Pothole Machine – 10 years

*Project History*

\$2,667,500 was appropriated in the FY 2020-21 Budget, Ord. No. 2020-00123, October 1, 2020.

Appropriation Detail	Appropriation to Date	FY 2021-22	Unappropriated Planning Years					Total Project Amount
			FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Other Activities	2,667,500	0	0	0	0	0	0	2,667,500
<b>Total Project Appropriation</b>	2,667,500	0	0	0	0	0	0	2,667,500

Funding Detail	Funding to Date	FY 2021-22	Unappropriated Planning Years					Total Funding
			FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2021 LP&L Cash	2,667,500	0	0	0	0	0	0	2,667,500
<b>Total Funding Sources</b>	2,667,500	0	0	0	0	0	0	2,667,500

Operating Budget Impact	FY 2021-22	Unappropriated Planning Years					Total Impact
		FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	0	0	0	0	0	0	0



*Managing Department* **Transmission***Project Manager* **Felix Orta***Project Classification* **New Equipment/Fleet***Project Status* **Approved***Project Scope*

The following vehicles and equipment will be purchased for the planned seven (7) member Transmission Crew coming on in FY 2021-22.

If funding is available after the above items are purchased, additional vehicle or equipment items may be purchased as necessary.

*Project Justification*

In order to properly and safely run the transmission department the following equipment will be required:

PHX 150-I on Freightliner 114SD, 10X6 with Cummins 485HP/Allison 4500RDS

TM125 mounted on a Freightliner Chassis

TEREX GEN80 on Freightliner 6x4 Chassis

Crew cab 4x4 1 ton flatbed pickup

20' tandem axle utility trailer

*Project History*

\$2,150,000 was appropriated in the FY 2020-21 Budget, Ord. No. 2020-00123, October 1, 2020.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Other Activities	2,150,000	0	0	0	0	0	0	2,150,000
<b>Total Project Appropriation</b>	2,150,000	0	0	0	0	0	0	2,150,000

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2017 LP&L Cash	500,000	0	0	0	0	0	0	500,000
FY 2018 LP&L Cash	1,250,000	0	0	0	0	0	0	1,250,000
FY 2020 LP&L Cash	400,000	0	0	0	0	0	0	400,000
<b>Total Funding Sources</b>	2,150,000	0	0	0	0	0	0	2,150,000

*Managing Department* **Distribution***Project Manager* **Jubal Mann***Project Classification* **Upgrade/Major Maintenance***Project Status* **Approved***Project Scope*

This project is to upgrade, improve, and expand the LP&L distribution system in preparation for, and after, the transition to Electric Reliability Council of Texas (ERCOT). This will include, but is not limited to, replacing conductors and other distribution devices/equipment, installation of double circuits, and new construction.

*Project Justification*

In order to support integration and opt-in efforts distribution lines must be built, rebuilt, etc. in order to handle the additional load. Furthermore, new construction will be required to facilitate connection and integration of customers into the LP&L system.

*Project History*

\$4,301,674 was appropriated in the FY 2020-21 Budget, Ord. No. 2020-00123, October 1, 2020.

\$635,000 was appropriated in FY 2020-21, BCR# 2021-8, March 22, 2021.

\$6,445,000 was appropriated in the FY 2021-22 Budget, Ord. No. 2021-00126, October 1, 2021.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	3,936,674	6,445,000	0	0	0	0	0	10,381,674
Design and Engineering	1,000,000	0	0	0	0	0	0	1,000,000
<b>Total Project Appropriation</b>	<b>4,936,674</b>	<b>6,445,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11,381,674</b>

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2017 LP&L Revenue Bonds	16,449	0	0	0	0	0	0	16,449
FY 2018 20-Year LP&L Revenue Bonds	115,225	0	0	0	0	0	0	115,225
FY 2021 20-Year LP&L Revenue Bonds	4,805,000	0	0	0	0	0	0	4,805,000
LP&L 20-Year Revolving Note Program	0	6,445,000	0	0	0	0	0	6,445,000
<b>Total Funding Sources</b>	<b>4,936,674</b>	<b>6,445,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11,381,674</b>

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

*Managing Department* **Transmission***Project Manager* **Luke Miller***Project Classification* **Upgrade/Major Maintenance***Project Status* **Approved***Project Scope*

Purchase and install new dual wound substation power transformers. This project will also replace the existing switchgear and upgrade the relay protection. The relay protection upgrade includes; relay protection for the new substation transformers, additional feeders, and bus protection where needed. This project will include the engineering, materials, and construction costs associated with the project.

*Project Justification*

The project will replace transformers at Coop Substation that have reached their end of life. It will add new transformers located at McDonald, Thompson, and YellowHouse to facilitate integration and opt-in efforts. This will increase the capacity of the substations and provide greater operational reliability.

The switchgear replacement and new installation is required to conform to the new LP&L standard substation design. Each of the transformers will connect to new overhead open air distribution busses that will serve 4 distribution feeder circuits. This new open air design configuration is easily expandable and safer than the existing metalclad switchgear.

The new relay protection for the transformers, feeders, and busses is required to implement the new LP&L standard design for a fully integrated substation protection package. This protection is designed to quickly isolate faulted parts of the transmission system in order to protect the equipment, protect the unaffected parts of the system, and to improve the reliability of the transmission network. The relay protection includes primary and backup protection for all protection areas/schemes.

*Project History*

\$3,800,000 was appropriated in the FY 2020-21 Budget, Ord. No. 2020-00123, October 1, 2020.

\$230,000 was appropriated in FY 2020-21, BCR# 2021-8, March 22, 2021.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	3,630,000	0	0	0	0	0	0	3,630,000
Design and Engineering	400,000	0	0	0	0	0	0	400,000
<b>Total Project Appropriation</b>	<b>4,030,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,030,000</b>

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2021 20-Year LP&L Revenue Bonds	4,030,000	0	0	0	0	0	0	4,030,000
<b>Total Funding Sources</b>	<b>4,030,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,030,000</b>

Managing Department **Electric Distribution Su**Project Manager **Jarrold Huse**Project Classification **Replacement Infrastructure**Project Status **Approved***Project Scope*

This project includes engineering, planning, easement & material acquisition and construction labor necessary to facilitate reroutes, upgrades and new installations of underground feeders, sub-feeders, switchgear, transformers, street lights, secondary services and removal of LP&L overhead facilities in downtown Lubbock. Purposes for which being to upgrade infrastructure, improve system reliability, minimize overhead facilities and accommodate redevelopment projects. Geographic limits to the project are Marsha Sharp Freeway to 19th St and Avenue Q to Interstate 27.

*Project Justification*

LP&L currently serves a significant portion of the downtown area with overhead facilities. This project allows LP&L to upgrade/modernize its system by relocating underground where feasible. In doing so, this helps to accommodate the City of Lubbock's overall goals for a revitalized downtown while addressing the needs of each redevelopment project as they occur.

*Project History*

\$650,000 was appropriated in the FY 2020-21 Budget, Ord. No. 2020-00123, October 1, 2020.

\$1,725,000 was appropriated in the FY 2021-22 Budget, Ord. No. 2021-00126, October 1, 2021.

Appropriation Detail	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	650,000	1,725,000	840,000	0	0	0	0	3,215,000
<b>Total Project Appropriation</b>	<b>650,000</b>	<b>1,725,000</b>	<b>840,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,215,000</b>

Funding Detail	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2014 LP&L Revenue Bonds	0	43,289	0	0	0	0	0	43,289
FY 2016 LP&L Revenue Bonds	0	304,222	0	0	0	0	0	304,222
FY 2018 20-Year LP&L Revenue Bonds	250,000	0	0	0	0	0	0	250,000
FY 2021 20-Year LP&L Revenue Bonds	400,000	0	0	0	0	0	0	400,000
LP&L 20-Year Revolving Note Program	0	1,377,489	840,000	0	0	0	0	2,217,489
<b>Total Funding Sources</b>	<b>650,000</b>	<b>1,725,000</b>	<b>840,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,215,000</b>

Managing Department **7611-Transmission Supervision & Engineering**Project Manager **Luke Miller**Project Classification **Infrastructure Improvements**Project Status **Approved***Project Scope*

This project will cover LP&L's costs of a portion of the Fiddlewood to Farmland 345kV transmission line.

*Project Justification*

LP&L anticipates that it will own a portion of the Fiddlewood to Farmland 345kV transmission line. This project is needed to account for the costs associated with the portion of the Fiddlewood to Farmland 345kV transmission line that LP&L will own.

*Project History*

\$8,000,000 was appropriated in FY 2020-21, Budget Amendment No. 23, Ord. No. 2020-O0055, May 25, 2021.

Appropriation Detail	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	8,000,000	0	0	0	0	0	0	8,000,000
<b>Total Project Appropriation</b>	<b>8,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,000,000</b>

Funding Detail	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2021 30-Year LP&L Revenue Bonds	8,000,000	0	0	0	0	0	0	8,000,000
<b>Total Funding Sources</b>	<b>8,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,000,000</b>

Operating Budget Impact	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

*Managing Department* **7611-Distribution Supervision & Engineering***Project Manager* **Jubal Mann***Project Classification* **Replacement Facility***Project Status* **Approved***Project Scope*

Purchase and install new substation power transformers. This project will include the procurement and installation of the transformers, substation bus, breakers, and relay upgrades that will be required.

*Project Justification*

The project will replace two 40+ year old transformers at Co-op Substation. This will increase the capacity of the substation and provide greater operational reliability.

FERC Accounts: 361, 362

Estimated Useful Life: 30 years

*Project History*

\$5,670,000 was appropriated in the FY 2021-22 Budget, Ord. No. 2021-00126, October 1, 2021.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	0	5,395,000	0	0	0	0	0	5,395,000
Design and Engineering	0	275,000	0	0	0	0	0	275,000
<b>Total Project Appropriation</b>	0	5,670,000	0	0	0	0	0	5,670,000

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
LP&L 20-Year Revolving Note Program	0	5,670,000	0	0	0	0	0	5,670,000
<b>Total Funding Sources</b>	0	5,670,000	0	0	0	0	0	5,670,000

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	0	0	0	0	0	0	0

Managing Department **Transmission And Distribution**Project Manager **Blair McGinnis**Project Classification **Upgrade/Major Maintenance**Project Status **Approved***Project Scope*

Upgrade the capacity of Thompson Substation. The type of equipment and number of transformers, along with the project scope and justification will be more clearly identified following the distribution planning study (CIP #8626). The project will include the engineering, design, and procurement required to complete the project.

*Project Justification*

The project will increase the substation capacity required to successfully serve the increasing load growth requirements in the immediate and southwest part of LP&L service area. This will increase the capacity of the substation and provide greater operational reliability to the surrounding systems and substations.

FERC Accounts: 361, 362

Estimated Useful Life: 30 years

*Project History*

\$2,740,000 was appropriated in the FY 2021-22 Budget, Ord. No. 2021-O0126, October 1, 2021.

Appropriation Detail	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	0	2,490,000	0	0	0	2,375,000	5,985,000	10,850,000
Design and Engineering	0	250,000	0	0	0	0	0	250,000
<b>Total Project Appropriation</b>	<b>0</b>	<b>2,740,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,375,000</b>	<b>5,985,000</b>	<b>11,100,000</b>

Funding Detail	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2026 20-Year LP&L Revenue Bonds	0	0	0	0	0	2,375,000	0	2,375,000
FY 2027 20-Year LP&L Revenue Bonds	0	0	0	0	0	0	5,985,000	5,985,000
LP&L 20-Year Revolving Note Program	0	2,740,000	0	0	0	0	0	2,740,000
<b>Total Funding Sources</b>	<b>0</b>	<b>2,740,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,375,000</b>	<b>5,985,000</b>	<b>11,100,000</b>

*Managing Department* **Transmission***Project Manager* **Blair McGinnis***Project Classification* **Upgrade/Major Maintenance***Project Status* **Approved***Project Scope*

Purchase and install new substation power transformers. This project will include an expansion of the yard into a previously owned water facility and the associated dirt work to meet substation standards. This project will also replace the existing switchgear and upgrade the relay protection. The relay protection upgrade includes; relay protection for the new substation transformers, additional feeders, and 115kV bus protection. This project will include the engineering, materials, and construction costs associated with the project.

*Project Justification*

The project will replace a 30+ year old transformer at Vicksburg Substation that have reached it's end of life. This will increase the capacity of the substation and provide greater operational reliability.

The switchgear replacement is required to conform to the new LP&L standard substation design. Each of the transformers will be fed by a 115kV breaker and will connect to new overhead open air distribution busses that will serve 8 distribution feeder circuits. This new open air design configuration is easily expandable and safer than the existing metalclad switchgear.

The new relay protection for the transformers, feeders, and busses is required to implement the new LP&L standard design for a fully integrated substation protection package. This protection is designed to quickly isolate faulted parts of the transmission system in order to protect the equipment, protect the unaffected parts of the system, and to improve the reliability of the transmission network. The relay protection includes primary and backup protection for all protection areas/schemes.

*Project History*

\$8,660,000 was appropriated in the FY 2021-22 Budget, Ord. No. 2021-00126, October 1, 2021.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	0	7,885,000	0	0	0	0	0	7,885,000
Design and Engineering	0	775,000	0	0	0	0	0	775,000
<b>Total Project Appropriation</b>	<b>0</b>	<b>8,660,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,660,000</b>

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
LP&L 20-Year Revolving Note Program	0	8,660,000	0	0	0	0	0	8,660,000
<b>Total Funding Sources</b>	<b>0</b>	<b>8,660,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,660,000</b>



*Managing Department* **Transmission And Distribution***Project Manager* **Kody Morris***Project Classification* **Infrastructure Improvements***Project Status* **Approved***Project Scope*

This project will entail of the following: Installation of 7 roll up overhead doors measuring 16' X 12' to allow for tuck pull through parking; installation of a concrete slope/pad to account for existing footer to assist in transition to outside surface and drainage; removal of half of the existing loft inside the building to allow space for overhead doors and adequate room to park equipment; installation of new electrical and lighting inside the building; installation of insulation to assist with climate control and limit dust, water, etc.; and repair ventilation to allow for adequate air flow inside the building.

*Project Justification*

Currently LP&L does not have adequate facilities to house the equipment and material that will be needed for the fleet of the transmission crew that will be added in the FY 21-22 budget. The fleet required for this crew is the most specialized and expensive in the organization. It will be used to work at heights up to 150' so care and maintenance of the equipment is of the upmost importance for safety reasons. In addition, we don't have adequate storage for all of the different material required to maintain our transmission lines. We have identified existing facilities in the Cooke Production yard that will meet these needs. The facility has adequate space to store the equipment and material that will be used by this crew on a daily basis in addition to office space required for the crew. In order to serve this purpose, the facility will require updates and refurbishment.

*Project History*

\$205,000 was appropriated in the FY 2021-22 Budget, Ord. No. 2021-00126, October 1, 2021.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	0	205,000	0	0	0	0	1,000,000	1,205,000
Design and Engineering	0	0	0	0	0	0	115,000	115,000
<b>Total Project Appropriation</b>	<b>0</b>	<b>205,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,115,000</b>	<b>1,320,000</b>

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2022 LP&L Cash	0	205,000	0	0	0	0	0	205,000
FY 2027 LP&L Cash	0	0	0	0	0	0	1,115,000	1,115,000
<b>Total Funding Sources</b>	<b>0</b>	<b>205,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,115,000</b>	<b>1,320,000</b>

*Managing Department* **Distribution***Project Manager* **Jubal Mann***Project Classification* **Upgrade/Major Maintenance***Project Status* **Approved***Project Scope*

Purchase and install a new 23kV substation power transformer. This will include the engineering, procurement and installation of the power transformer, substation bus, breaker and relay equipment.

*Project Justification*

This project will install a new 23kV power transformer at Yellow House Substation. This will increase capacity and provide greater operational reliability.

*Project History*

\$1,335,000 was appropriated in the FY 2021-22 Budget, Ord. No. 2021-00126, October 1, 2021.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	0	985,000	2,650,000	0	0	0	0	3,635,000
Design and Engineering	0	350,000	300,000	0	0	0	0	650,000
<b>Total Project Appropriation</b>	0	1,335,000	2,950,000	0	0	0	0	4,285,000

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
LP&L 30-Year Revolving Note Program	0	1,335,000	2,950,000	0	0	0	0	4,285,000
<b>Total Funding Sources</b>	0	1,335,000	2,950,000	0	0	0	0	4,285,000

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	0	0	0	0	0	0	0

*Managing Department* **Distribution***Project Manager* **Jubal Mann***Project Classification* **Upgrade/Major Maintenance***Project Status* **Approved***Project Scope*

Purchase and install a new 23kV substation power transformer. This will include the engineering, procurement and installation of the power transformer, substation bus, breaker and relay equipment.

*Project Justification*

This project will install a new 23kV power transformer at McDonald Substation. This will increase capacity and provide greater operational reliability.

*Project History*

\$1,410,000 was appropriated in the FY 2021-22 Budget, Ord. No. 2021-00126, October 1, 2021.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	0	985,000	2,650,000	0	0	0	0	3,635,000
Design and Engineering	0	425,000	300,000	0	0	0	0	725,000
<b>Total Project Appropriation</b>	<b>0</b>	<b>1,410,000</b>	<b>2,950,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,360,000</b>

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
LP&L 30-Year Revolving Note Program	0	1,410,000	2,950,000	0	0	0	0	4,360,000
<b>Total Funding Sources</b>	<b>0</b>	<b>1,410,000</b>	<b>2,950,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,360,000</b>

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Managing Department **Transmission**Project Manager **Paul Koberlein**Project Classification **Infrastructure Improvements**Project Status **Approved***Project Scope*

Purchase, install, and implement multiple upgrades to DNV-GL Cascade (facilities management software), including LOAD and Powerbase modules, which are purpose-built solutions for compliance with NERC Reliability Standards FAC-008-3 Facility Ratings and PRC-005-1.1b Protection System Maintenance. This will also include training of staff for new modules and upgrades.

*Project Justification*

The current method of facility ratings management used by LP&L is severely lacking in version control and accuracy. The LOAD plugin for DNV-GL Cascade is a fully-fledged FAC-008-3 tool, complete with version control, automatic evidence generation, and several other technical features. The Powerbase module is a fully-equipped PRC-005 tool that will be instrumental in gathering evidence regarding relay testing and maintenance. At this time, Cascade is in need of major upgrade, due to outdated software versions and lacking modules, in order to implement LOAD, Powerbase, or continue using Cascade effectively, upgrades must be performed.

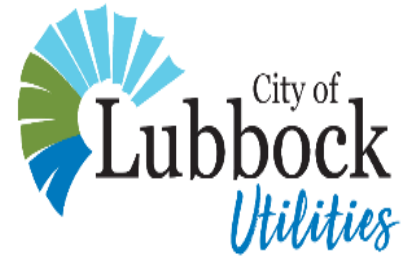
*Project History*

\$250,000 was appropriated in the FY 2021-22 Budget, Ord. No. 2021-00126, October 1, 2021.

Appropriation Detail	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Technology	0	250,000	0	0	0	0	0	250,000
<b>Total Project Appropriation</b>	<b>0</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,000</b>

Funding Detail	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2022 LP&L Cash	0	250,000	0	0	0	0	0	250,000
<b>Total Funding Sources</b>	<b>0</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,000</b>

Operating Budget Impact	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

*Managing Department* **Electric Customer Service***Project Manager* **Jamie Wood***Project Classification* **Administrative***Project Status* **Approved***Project Scope*

Increase the number of phone lines for the call center from 100 to 200. This includes the Computex upgrade to the Cisco phone system and the Waterfield Interactive Voice Response (IVR).

Computex - \$57,144

Waterfield - \$145,102

*Project Justification*

Throughout the year, there are times when the current 100 phone lines are not sufficient for the number of customers that are calling at once. This typically happens around periods of extreme high or low temperatures or around Texas Tech move in/out. This means that the customers calling will get a busy signal and will not have the option to access any of the self service functions such as pay by phone or outage reporting, or the option to speak with a representative.

*Project History*

\$202,246 was appropriated in the FY 2021-22 Budget, Ord. No. 2021-00126, October 1, 2021.

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Technology	0	202,246	0	0	0	0	0	202,246
<b>Total Project Appropriation</b>	0	202,246	0	0	0	0	0	202,246

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2022 LP&L Cash	0	202,246	0	0	0	0	0	202,246
<b>Total Funding Sources</b>	0	202,246	0	0	0	0	0	202,246

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Information Technology	0	51,339	51,339	51,339	51,339	51,339	256,695
<b>Total Operating Budget Impact</b>	0	51,339	51,339	51,339	51,339	51,339	256,695



*Managing Department* **Electric Utilities Admin**

*Project Manager* **Felix Orta**

*Project Classification* **New Equipment/Fleet**

*Project Status* **Approved**



*Project Scope*

The following vehicles and equipment need costly repairs or have become unreliable and will be replaced with a similar unit (with the exception of Production, Meter Shop, Underground, Overhead, and Transmission Engineering, nine (9) of the units will be replaced with 4 wheel drive units):

**Admin:**

22006217 2006 Chevrolet 2500

**Production:**

22008191 2008 Chevrolet 2500

22008192 2008 Chevrolet 2500

12008098 2008 Chevrolet 1500

**Field Service:**

12008105 2008 Chevrolet 1500

**Meter Shop:**

22008188 2008 Chevrolet C2500

12008193 2008 Chevrolet Trailblazer

**Underground:**

12007143 2007 Chevrolet Colorado

82010071 2010 Freightliner Dump Truck

52011003 2011 Dodge 5500

62011050 2011 Intl 4400

02010123 2010 Ditchwitch Pothole Machine

92009186 2009 John Deere Excavator

**Overhead:**

22008186 2008 Chevy 2500

22008189 2008 Chevy 2500

22008190 2008 Chevy 2500

**Street Light:**

52012005 2012 Ford F550

01996128 1996 Shopmade Trailer

42008102 2008 Intl Aerial

52011009 2011 Dodge 5500

**Substation:**

01997300 1997 Shopmade Tanker On Trailer

**Service :**

52013001 2013 Ford F550

52013002 2013 Ford F550

52013003 2013 Ford F550

Transmission Engineering:  
12007142 2008 Chevrolet C1500

The following vehicle is a new additions to the fleet Street Light Department due to the addition of a bucket truck.

Street Light:  
Bucket Truck

If funding is available after the above items are purchased, additional vehicle or equipment items may be purchased as necessary.

*Project Justification*

The vehicles and heavy equipment above have been inspected and deemed unreliable. This is causing delays in service, response times, and productivity. Future funding is necessary for replacement vehicles and equipment currently on the replacement list. The list is reviewed each year to determine the actual need for replacement.

FERC Accounts: 392, 394, 396

Estimated Useful Lives:

- \*Pickups - 12 years
- \*Bucket - 7 years
- \*Trailers - 15 years
- \*Pothole Machine – 10 years
- \*Trailblazer - 12 years
- \*Dump Truck - 18 years
- \*Intl 4400 - 11 years
- \*Excavator - 12 years

*Project History*

\$2,625,000 was appropriated in the FY 2021-22 Budget, Ord. No. 2021-O0126, October 1, 2021.

Appropriation Detail	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Other Activites	0	2,625,000	2,110,000	2,180,000	2,230,000	2,280,000	2,330,000	13,755,000
<b>Total Project Appropriation</b>	<b>0</b>	<b>2,625,000</b>	<b>2,110,000</b>	<b>2,180,000</b>	<b>2,230,000</b>	<b>2,280,000</b>	<b>2,330,000</b>	<b>13,755,000</b>

Funding Detail	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2022 LP&L Cash	0	2,625,000	0	0	0	0	0	2,625,000
FY 2023 LP&L Cash	0	0	2,110,000	0	0	0	0	2,110,000
FY 2024 LP&L Cash	0	0	0	2,180,000	0	0	0	2,180,000
FY 2025 LP&L Cash	0	0	0	0	2,230,000	0	0	2,230,000
FY 2026 LP&L Cash	0	0	0	0	0	2,280,000	0	2,280,000
FY 2027 LP&L Cash	0	0	0	0	0	0	2,330,000	2,330,000
<b>Total Funding Sources</b>	<b>0</b>	<b>2,625,000</b>	<b>2,110,000</b>	<b>2,180,000</b>	<b>2,230,000</b>	<b>2,280,000</b>	<b>2,330,000</b>	<b>13,755,000</b>



*Managing Department*      **Electric Production Oper**

*Project Manager*          **Michael Winegeart**

*Project Classification*    **Upgrade/Major Maintenance**

*Project Status*            **Approved**



#### *Project Scope*

Design, build, and install a new turbine and generator control system, voltage regulator, protective relays, and necessary field devices and wiring for Cooke Gas Turbine #3 (GT3). Perform necessary calibrations, loop checks, and system checkout to commission the unit.

#### *Turbine Control Panel (TCP)*

- Engineering of TCP
- Build and configuration of control logic for the TCP
- Factory Acceptance Test (FAT) of New TCP
- Install TCP
- Run wiring from TCP to field devices
- Loop Checks
- Panel calibration
- System checkout
- Startup support

#### *Generator Control Panel (GCP)*

- Build and configuration of GCP
- Includes new automatic voltage regulator and protection relays
- Replace SCT/PPT exciter power components
- Factory Acceptance Test of new GCP
- Install GCP
- Termination of wiring & devices
- Loop checks
- Panel calibration
- System checkout
- Startup support

#### *Project Justification*

In June of 2015, GT3 experienced a bearing failure which caused catastrophic damage to the gas turbine rotor, gears, and generator. In fiscal year 2019-2020, the gas turbine engine was completely overhauled and the generator has been rewound. The current control system is the original system installed in 1974. During the rebuild of the turbine and rotor, LP&L hired an outside contractor who specializes in vintage control systems to come on site to repair and commission the existing control system. After several weeks of work by the contractor and LP&L personnel, no progress was made to get the existing system up and running. The determination was made that GT3 will not run without a new control system installed.

#### *Project History*

\$900,000 was appropriated in the FY 2021-22 Budget, Ord. No. 2021-00126, October 1, 2021.

Appropriation Detail	Appropriation to Date	Unappropriated Planning Years						Total Project Amount
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	0	345,000	0	0	0	0	0	345,000
Design and Engineering	0	400,000	0	0	0	0	0	400,000
Other Activites	0	155,000	0	0	0	0	0	155,000
<b>Total Project Appropriation</b>	0	900,000	0	0	0	0	0	900,000

Funding Detail	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2022 LP&L Cash	0	900,000	0	0	0	0	0	900,000
<b>Total Funding Sources</b>	0	900,000	0	0	0	0	0	900,000

Operating Budget Impact	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	0	0	0	0	0	0	0

Managing Department 7611-Transmission Supervision & Engineering

Project Manager Blair McGinnis

Project Classification Replacement Infrastructure

Project Status Requested



#### Project Scope

Purchase and install new substation power transformers. This project will include the procurement and installation of the transformers and the associated bus, breaker, and relay upgrades that will be required along with the larger capacity transformers.

#### Project Justification

The project will replace two 40+ year old transformers (1973) at Erskine Substation. This will increase capacity and provide better reliability.

FERC Accounts: 361, 362

Estimated Useful Life: 30 years

#### Project History

Appropriation Detail	Appropriation to Date	Unappropriated Planning Years						Total Appropriation
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	0	0	0	0	0	2,540,000	5,570,000	8,110,000
Design and Engineering	0	0	0	0	730,000	0	0	730,000
<b>Total Project Appropriation</b>	0	0	0	0	730,000	2,540,000	5,570,000	8,840,000

Funding Detail	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2025 20-Year LP&L Revenue Bonds	0	0	0	0	730,000	0	0	730,000
FY 2026 20-Year LP&L Revenue Bonds	0	0	0	0	0	2,540,000	0	2,540,000
FY 2027 20-Year LP&L Revenue Bonds	0	0	0	0	0	0	5,570,000	5,570,000
<b>Total Funding Sources</b>	0	0	0	0	730,000	2,540,000	5,570,000	8,840,000

Operating Budget Impact	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	0	0	0	0	0	0	0

Managing Department 7611-Transmission Supervision & Engineering

Project Manager Blair McGinnis

Project Classification Replacement Infrastructure

Project Status Requested



#### Project Scope

Purchase and install new substation power transformers. This project will include the procurement and installation of the transformers, substation bus, breakers, and relay upgrades that will be required.

#### Project Justification

The project will replace two 40+ year old transformers at Mackenzie Substation. This will increase the capacity of the substation and provide greater operational reliability.

FERC Accounts: 361, 362

Estimated Useful Life: 30 years

#### Project History

Appropriation Detail	Appropriation to Date	Unappropriated Planning Years						Total Appropriation
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	0	0	0	0	2,430,000	5,340,000	0	7,770,000
Design and Engineering	0	0	0	700,000	0	0	0	700,000
<b>Total Project Appropriation</b>	0	0	0	700,000	2,430,000	5,340,000	0	8,470,000

Funding Detail	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2024 LP&L Cash	0	0	0	700,000	0	0	0	700,000
FY 2025 20-Year LP&L Revenue Bonds	0	0	0	0	2,430,000	0	0	2,430,000
FY 2026 20-Year LP&L Revenue Bonds	0	0	0	0	0	5,340,000	0	5,340,000
<b>Total Funding Sources</b>	0	0	0	700,000	2,430,000	5,340,000	0	8,470,000

Operating Budget Impact	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	0	0	0	0	0	0	0

*Managing Department* **Transmission***Project Manager* **Blair McGinnis***Project Classification* **Infrastructure Improvements***Project Status* **Requested***Project Scope*

Rebuild 115kV transmission line from Coop Substation to McCullough Substation. The new transmission line will be 959.6 aluminum conductor steel supported trapezoidal wire (ACSS/TW) with an optical ground wire (OPGW) static neutral wire. Rebuilding is a term used when a line has to be replaced, completely torn down, and rebuilt. This transmission line is 3.5 miles long and the project includes the estimated engineering, materials, and construction costs associated with rebuilding the transmission line.

*Project Justification*

To alleviate overloading concern, the line has to be rebuilt to increase the ampacity of the transmission line. Increasing the ampacity of the transmission line means to remove the existing 795 Aluminum Conductor Steel Reinforced (ACSR) conductor and install a bigger conductor to increase the amount of current (Amps) that the transmission line can carry. In this case, LP&L would install 959.6 ACSS/TW to satisfy the rating required on the transmission line. If the existing poles can handle the loads of the new proposed conductors, the project could potentially become a re-conductor project. A re-conductor project only involves taking down the wires and hardware and replacing them with new hardware and larger wires. However, it is most likely that the existing poles are not capable of handling the loading of the new conductors being installed.

FERC Accounts: 350,355,356

Estimated Useful Life: 30 years

*Project History*

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Appropriation
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	0	0	0	0	0	0	11,715,000	11,715,000
Design and Engineering	0	0	0	0	0	685,000	0	685,000
<b>Total Project Appropriation</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>685,000</b>	<b>11,715,000</b>	<b>12,400,000</b>

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2026 30-Year LP&L Revenue Bonds	0	0	0	0	0	685,000	0	685,000
FY 2027 30-Year LP&L Revenue Bonds	0	0	0	0	0	0	11,715,000	11,715,000
<b>Total Funding Sources</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>685,000</b>	<b>11,715,000</b>	<b>12,400,000</b>

Managing Department **Transmission**Project Manager **Blair McGinnis**Project Classification **Infrastructure Improvements**Project Status **Requested***Project Scope*

Rebuild 115kV transmission line from McDonald Substation to Northwest Substation. The new transmission line will be 959.6 aluminum conductor steel supported trapezoidal wire (ACSS/TW) with an optical ground wire (OPGW) static neutral wire. Rebuilding is a term used when a line has to be replaced, completely torn down, and rebuilt. This transmission line is 4.5 miles long and the project includes the estimate engineering, materials, and construction costs associated with rebuilding the transmission line.

*Project Justification*

To alleviate overloading concern, the line has to be rebuilt to increase the ampacity of the transmission line. Increasing the ampacity of the transmission line means to remove the existing 795 Aluminum Conductor Steel Reinforced (ACSR) conductor and install a larger conductor to increase the amount of current (Amps) that the transmission line can carry. LP&L plans to install 959.6 ACSS/TW to raise the rating of the transmission line. If the existing poles can handle the loads of the new proposed conductors, the project would potentially become a re-conductor project. A re-conductor project only involves taking down the wires and hardware and replacing them with new hardware and larger wires. However, it is most likely that the existing poles are not capable of handling the loading of the new larger and heavier conductors being installed.

FERC Accounts: 350,355,356

Estimated Useful Life: 30 years

*Project History*

Appropriation Detail	Appropriation to Date	Unappropriated Planning Years						Total Appropriation
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	0	0	0	5,565,000	8,445,000	0	0	14,010,000
Design and Engineering	0	0	0	1,225,000	0	0	0	1,225,000
<b>Total Project Appropriation</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,790,000</b>	<b>8,445,000</b>	<b>0</b>	<b>0</b>	<b>15,235,000</b>

Funding Detail	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2024 30-Year LP&L Revenue Bonds	0	0	0	6,790,000	0	0	0	6,790,000
FY 2025 30-Year LP&L Revenue Bonds	0	0	0	0	8,445,000	0	0	8,445,000
<b>Total Funding Sources</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,790,000</b>	<b>8,445,000</b>	<b>0</b>	<b>0</b>	<b>15,235,000</b>

*Managing Department* **Transmission And Distribution***Project Manager* **Blair McGinnis***Project Classification* **Replacement Infrastructure***Project Status* **Requested***Project Scope*

Rebuild 0.5 miles of a 69kV transmission line from the Brandon Substation to the Vicksburg Substation. The transmission line is primarily constructed of 70-75 foot wood poles and has single-circuit or double-circuit distribution under-build for most of the line. The new transmission line will be 959.6 aluminum conductor steel supported trapezoidal wire (ACSS/TW) with an optical ground wire (OPGW) static neutral wire, however the final determination of the conductor is subject to change based on engineering analyses. The line may be re-insulated for 115kV if deemed necessary, and is a design change that does not affect the operation of the line.

Rebuilding is a term used when a line has to be replaced, completely torn down, and rebuilt. A rebuild job is different from a re-conductor job, a re-conductor job only involves taking down the wires and hardware and replacing them with new hardware and larger wires. Installing a larger wire/conductor also lowers or decreases the resistance of the transmission line.

The engineering analysis on the transmission pole line will determine whether the double circuit structures on the line (shared with the Brandon to Erskine line) will need to be replaced to accommodate 959.6 ACSS/TW conductor specifications and proper phase spacing for 115kV insulation. The project will also reconductor 1.5 miles of 477 Aluminum Conductor Steel Reinforced (ACSR) conductor that is on a double circuit steel pole line (in parallel with the Brandon to Erskine transmission line). The project includes the estimated engineering, material, and construction costs associated with rebuilding the transmission line.

*Project Justification*

The existing 477 ACSR 69kV transmission line has exceeded its life expectancy as it was built in the 1960s. This is also a high impedance line restricting the power flow in the transmission system thus putting adjacent lines in danger of exceeding their capacity during emergency (N-1) conditions. The new transmission line may be insulated for 115kV, but the line will continue to be operated at 69kV until such time that the transmission planning group deems it necessary to prevent system overloads.

FERC Accounts: 350, 355, 356

Estimated Useful Life: 30 years

*Project History*

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Appropriation
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	0	0	0	0	0	3,420,000	3,495,000	6,915,000
<b>Total Project Appropriation</b>	0	0	0	0	0	3,420,000	3,495,000	6,915,000

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2026 30-Year LP&L Revenue Bonds	0	0	0	0	0	3,420,000	0	3,420,000
FY 2027 30-Year LP&L Revenue Bonds	0	0	0	0	0	0	3,495,000	3,495,000
<b>Total Funding Sources</b>	0	0	0	0	0	3,420,000	3,495,000	6,915,000

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	0	0	0	0	0	0	0



*Managing Department* **Transmission***Project Manager* **Blair McGinnis***Project Classification* **Replacement Infrastructure***Project Status* **Requested***Project Scope*

Rebuild 0.5 miles of a 69kV transmission line from the Brandon Substation to the Erskine Substation. The transmission line is primarily constructed of 70-75 foot wood poles and has single-circuit or double-circuit distribution under-build for most of the line. The new transmission line will be 959.6 aluminum conductor steel supported trapezoidal wire (ACSS/TW) with an optical ground wire (OPGW) static neutral wire, however the final determination of the conductor is subject to change based on engineering analyses. The line may be re-insulated for 115kV if deemed necessary, and is a design change that does not affect the operation of the line.

Rebuilding is a term used when a line has to be replaced, completely torn down, and rebuilt. A rebuild job is different from a re-conductor job, a re-conductor job only involves taking down the wires and hardware and replacing them with new hardware and larger wires. Installing a larger wire / conductor also lowers or decreases the resistance of the transmission line. The engineering analysis on the transmission pole line will determine whether the double circuit structures on the line (shared with Brandon to Vicksburg line) will need to be replaced to accommodate 959.6 ACSS/TW conductor specifications and proper phase spacing for 115kV insulation.

The project will also re-conductor 1.5 miles of 477 Aluminum Conductor Steel Reinforced (ACSR) conductor that is on a double circuit steel pole line (in parallel with the Brandon to Vicksburg Transmission line). The project includes the estimated engineering, material, and construction cost associated with rebuilding the transmission line.

*Project Justification*

The existing 477 ACSR 69kV transmission line has exceeded its life expectancy as it was built in the 1960s. This is also a high impedance line restricting the power flow in the transmission system thus putting adjacent lines in danger of exceeding their capacity during emergency (N-1) conditions. The new transmission line may be insulated for 115kV, but the line will continue to be operated at 69kV until such time that the transmission planning group deems it necessary to prevent system overloads.

FERC Accounts: 350, 355, 356

Estimated Useful Life: 30 years

*Project History*

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Appropriation
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	0	0	0	0	4,105,000	5,450,000	0	9,555,000
<b>Total Project Appropriation</b>	0	0	0	0	4,105,000	5,450,000	0	9,555,000

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2025 30-Year LP&L Revenue Bonds	0	0	0	0	4,105,000	0	0	4,105,000
FY 2026 30-Year LP&L Revenue Bonds	0	0	0	0	0	5,450,000	0	5,450,000
<b>Total Funding Sources</b>	0	0	0	0	4,105,000	5,450,000	0	9,555,000

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	0	0	0	0	0	0	0

Managing Department **Substation**Project Manager **Michael Coomer**Project Classification **Replacement Facility**Project Status **Requested***Project Scope*

Construction and engineering of new metal building with offices for the Substation Department.

*Project Justification*

New building will hold offices and equipment vital to the LP&L infrastructure. It would allow us to store equipment inside, out of the weather, when not in use. That would help cut down on equipment maintenance. It would also free up office space for other departments (example: Streetlight or Service Department) and relieve some of the parking issues that are occurring.

*Project History*

Appropriation Detail	Appropriation to Date	Unappropriated Planning Years						Total Appropriation
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	0	0	0	0	0	1,000,000	0	1,000,000
Design and Engineering	0	0	0	0	0	170,000	0	170,000
<b>Total Project Appropriation</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,170,000</b>	<b>0</b>	<b>1,170,000</b>

Funding Detail	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2026 LP&L Cash	0	0	0	0	0	1,170,000	0	1,170,000
<b>Total Funding Sources</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,170,000</b>	<b>0</b>	<b>1,170,000</b>

Operating Budget Impact	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

*Managing Department* **7421-Distribution Street Lights***Project Manager* **Toby Warden***Project Classification* **Street Lighting***Project Status* **Requested***Project Scope*

Replace all high-pressure sodium streetlights throughout the City of Lubbock with high efficiency light-emitting diode (LED) fixtures with smart grid capable controllers in three phases spanning three fiscal years. Repair moderate to severe damage or aging to street light poles, bases, arms, fuses, termination boxes, conductor and power sources where identified. Utilize existing CGR mesh network, (AMI meters) and supplement as needed to provide fully integrated smart grid street light system within the city limits of Lubbock.

*Project Justification*

LED street lights provide vastly superior light output, clarity and efficiency when compared to old high-pressure sodium heads. High-pressure sodium heads are quickly becoming obsolete and manufacturers have started to discontinue replacement parts as states and municipalities nationwide move to LED. Retrofitted LED fixtures reduce light pollution, which is misdirected light that is unintentionally transmitted into the sky. New LED roadway lights have flat fixtures that more efficiently focus the light where needed on the roadway while minimizing side and skyward glare. This would bring Lubbock closer to dark-sky compliance. Current street light power consumption estimates are 12 megawatts per night (non-revenue service to the city). Project energy savings with LED are 70%. In addition to substantial power consumption savings, a modern street light network will drastically reduce maintenance expenses. With smart grid technology, maintenance crews will be able to identify problems from the office instead of having to manually ride-out circuits looking for problems or relying on citizen reports of street light not operating correctly.

*Project History*

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Appropriation
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	0	0	4,000,000	4,100,000	4,200,000	0	0	12,300,000
Design and Engineering	0	0	460,000	560,000	665,000	0	0	1,685,000
<b>Total Project Appropriation</b>	<b>0</b>	<b>0</b>	<b>4,460,000</b>	<b>4,660,000</b>	<b>4,865,000</b>	<b>0</b>	<b>0</b>	<b>13,985,000</b>

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2023 LP&L Cash	0	0	4,460,000	0	0	0	0	4,460,000
FY 2024 LP&L Cash	0	0	0	4,660,000	0	0	0	4,660,000
FY 2025 LP&L Cash	0	0	0	0	4,865,000	0	0	4,865,000
<b>Total Funding Sources</b>	<b>0</b>	<b>0</b>	<b>4,460,000</b>	<b>4,660,000</b>	<b>4,865,000</b>	<b>0</b>	<b>0</b>	<b>13,985,000</b>

*Managing Department* **Distribution***Project Manager* **Kody Morris***Project Classification* **Infrastructure Improvements***Project Status* **Requested***Project Scope*

Provide for the construction of classroom and material storage at LP&L's training facility, as well as for the completion of landscaping and road construction.

*Project Justification*

Construction of a classroom facility to allow for expansion of LP&L's ability to train employees. This will also allow for completion of the landscaping, roads, and substantial completion of the facility. This facility can be used for technical training that requires both classroom and field exercises, allow for space to store material that is commonly used for training, and provide a safe environment for training. Additionally, this facility can be used as an educational resource for the community.

*Project History*

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Appropriation
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	0	0	0	0	290,000	0	0	290,000
Design and Engineering	0	0	0	0	100,000	0	0	100,000
<b>Total Project Appropriation</b>	0	0	0	0	390,000	0	0	390,000

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2025 LP&L Cash	0	0	0	0	390,000	0	0	390,000
<b>Total Funding Sources</b>	0	0	0	0	390,000	0	0	390,000

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	0	0	0	0	0	0	0

*Managing Department* **Distribution***Project Manager* **Jubal Mann***Project Classification* **Infrastructure Improvements***Project Status* **Requested***Project Scope*

Upgrade or replace existing distribution equipment including but not limited to: capacitor banks, reclosers and switches with equipment that can be outfitted with radio transmitters. Install radio towers at necessary substations to permit data from field device to be relayed to the Supervisory Control and Data Acquisition (SCADA) system. This will allow SCADA to have access to telemetry data for field devices and remote operation where it makes sense.

*Project Justification*

Currently if our operation needs to operate a switch in the field they have to send out a crew to operate the required switch. This project will allow them to remotely operate the required switch. Additionally, if data is needed from the field on capacitor banks or reclosers someone has to go out to the field and connect to the device to get the data. This project will allow us to store this data in the historian for access at any time. Operations will also be able to monitor Power Factor in the field and operate capacitor banks as needed.

*Project History*

<i>Appropriation Detail</i>	Appropriation to Date	Unappropriated Planning Years						Total Appropriation
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Construction	0	0	0	0	2,785,000	1,140,000	0	3,925,000
<b>Total Project Appropriation</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,785,000</b>	<b>1,140,000</b>	<b>0</b>	<b>3,925,000</b>

<i>Funding Detail</i>	Funding to Date	Unappropriated Planning Years						Total Funding
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
FY 2025 LP&L Cash	0	0	0	0	2,785,000	0	0	2,785,000
FY 2026 LP&L Cash	0	0	0	0	0	1,140,000	0	1,140,000
<b>Total Funding Sources</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,785,000</b>	<b>1,140,000</b>	<b>0</b>	<b>3,925,000</b>

<i>Operating Budget Impact</i>	Unappropriated Planning Years						Total Impact
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
No Impact Anticipated	0	0	0	0	0	0	0
<b>Total Operating Budget Impact</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>



**Lubbock Power & Light**  
*The power is yours.*

# **Electric Rate/Tariff Schedule**

**Amended October 1, 2021**

## Lubbock Power & Light Electric Rate/Tariff Schedule

### Service Schedules

<b>Type of Service</b>	<b>Rate Class</b>
<b>General Terms and Conditions</b>	
<b>Residential Standard Service</b>	<b>Rate 1</b>
<b>Residential Electric Space Heating Service</b>	<b>Rate 3</b>
<b>Residential Net Metering Service</b>	<b>Rate 5</b>
<b>Small General Service</b>	<b>Rate 10</b>
<b>Small General Service Net Metering</b>	<b>Rate 11</b>
<b>Large School Service</b>	<b>Rate 15</b>
<b>Secondary General Service and Secondary General Service Net Metering</b>	<b>Rate 16</b>
<b>Primary General Service</b>	<b>Rate 16P</b>
<b>Transmission General Service</b>	<b>Rate 16T</b>
<b>State University General Service</b>	<b>Rate 16U</b>
<b>Large Municipal Service</b>	<b>Rate 17</b>
<b>Street Lighting Service</b>	<b>Rate 18</b>
<b>General Religious Service</b>	<b>Rate 19</b>
<b>Small Municipal &amp; School Service</b>	<b>Rate 21</b>
<b>Optional Time-of-Use Service Rider</b>	
<b>Guard Light Service</b>	
<b>Flood Light Service</b>	
<b>Miscellaneous Service Charges</b>	
<b>Power Cost Recovery Factor</b>	





## **GENERAL TERMS AND CONDITIONS**

### **I. STATEMENT OF PURPOSE**

In order that all Customers (as defined below) may receive uniform, efficient, and adequate Service, electric Service will be supplied to and accepted by all Customers receiving Service from the City of Lubbock's municipally owned electric utility, Lubbock Power & Light (sometimes referred to herein as "LP&L"), in accordance with these General Terms and Conditions, including the Rate Schedule. For purposes of this Tariff, "Customer" shall mean any individual, person, firm, corporation or other legal entity receiving Service from LP&L. All references herein to either the City of Lubbock or LP&L shall be inclusive of the other.

### **II. DEFINITIONS**

The following terms, when used in these General Terms and Conditions, Rate Schedules and Service agreements, shall have the meanings given below, unless otherwise indicated. These definitions do not modify more technical definitions for terms provided in other LP&L policies and/or standards pertaining to Service(s).

AMI – means Advanced Metering Infrastructure. AMI is the system that collects and communicates energy usage between an advanced utility Meter and LP&L.

Applicant – shall mean any individual, person, firm, corporation, or other legal entity, who is in the process of applying for Service from LP&L, but for whom Service has not yet been approved.

Critical Care Residential Customer – means a "critical care residential customer" as defined in Section 17.002(3-a), Texas Utilities Code, as a residential customer who has a person permanently residing in the customer's home who has been diagnosed by a physician as being dependent upon an electric-powered medical device to sustain life.

Critical Load Industrial Customer – means a "critical load industrial customer" as defined in Section 17.002(3-b), Texas Utilities Code, as an industrial customer for whom an interruption or suspension of electric service will create a dangerous or life-threatening condition on the customer's premises.

Customer – has the meaning assigned to it in Article I of these General Terms and Conditions.

Customer's Installation – means, in general, all wiring, pipes, valves, devices, apparatus, and appliances of any kind or nature on Customer's side of the Point of Delivery, except for Facilities.

Distributed Generation – means electrical generation and storage systems with 10 megawatts or less of capacity installed at or near Customer’s Premises. Examples of Distributed Generation include, but are not limited to, solar photovoltaic or wind technology.

ERCOT – means the Electric Reliability Council of Texas, Inc.

Facilities – means all buildings, structures, Meters, and equipment of LP&L, including all tangible and intangible property, without limitation, owned, operated, leased, licensed, used, controlled, or supplied for, by, or in connection with LP&L operations and provision of Service.

General Terms and Conditions – means the written statement of terms and conditions by which Service is offered, connected, provided, refused, disconnected, interrupted, suspended, reconnected, and the respective rights, obligations, exemptions, and liabilities of Customers and LP&L.

Interconnection Agreement – shall mean an interconnection agreement as originally approved by the Electric Utility Board (“EUB”) by Resolution Number EUB 2015-R0054, dated October 20, 2015, amended by the EUB by Resolution Number EUB 2018-R0072, dated August 21, 2018, and as may be amended, modified, or replaced by action of the EUB.

LP&L – means Lubbock Power & Light and the City of Lubbock.

Meter – means the metering device and any auxiliary equipment, whether physical or virtual, as specified, supplied, owned and operated by LP&L that measures the quantity of electric energy and gathers billing data to determine the charges for Service(s) provided by LP&L. A Meter shall not be considered part of Customer’s Installation and Customer shall not be authorized to purchase, install, remove and/or operate a Meter. The term Meter is inclusive of both AMI Meters and Non-Standard Meters.

Miscellaneous Service Charges – means the Rate Schedule, entitled “Miscellaneous Service Charges,” as it may be amended and updated from time to time.

Net Metering Customer – has the meaning assigned to it in Rate 5.

Non-Standard Meter – means any LP&L approved non-AMI meter that measures electric energy.

Point of Delivery – means, in general, the physical point where the electric energy first leaves the Service Installation and enters Customer’s Installation.

PPA – means a power purchase agreement.

Premises – means a tract of land, real estate or related commonly used tracts, including buildings or locations where Customer is eligible to receive Service.

Rate or Rate Schedule – means the written statement of terms, including Customer classification, which reflects the compensation, tariff, charge or fee that is directly or indirectly demanded, charged, or collected by LP&L for Service(s), and includes but is not limited to all rates.

Service – means electric Service in the broadest and most inclusive sense, and includes any and all acts done, rendered, or performed and any and all things furnished, used or supplied, including Facilities by LP&L.

Service Installation – means the Facilities that are located on Customer's Premises that are installed to provide Service to Customer.

Service Territory – means the certificated service area to which LP&L provides Service as approved by the Public Utility Commission of Texas.

SPP – means the Southwest Power Pool, Inc.

Tariff – means these General Terms and Conditions and the Rate Schedules incorporated herein.

### III. PROVISION OF SERVICE

1. Customer's Installation. Customer assumes all responsibility on Customer's side of the Point of Delivery and at the Point of Delivery, including without limitation, at its own expense, for installing and maintaining such protective devices as are recommended or required by the then current edition of the National Electrical Code or as may be necessary to protect Customer's Installation, equipment or operations during abnormal, irregular, or interrupted Service conditions or the failure of all or a part of Service provided by LP&L. Such protective devices include, but are not limited to, equipment necessary to limit voltage fluctuations, transients, or harmonics such that neither LP&L nor LP&L's other Customers are adversely affected. All wiring and other electrical equipment furnished by the Customer, including Customer's Installation, will be installed, operated, and maintained by the Customer at all times in conformity with good electrical practice, applicable law and regulation, and with the requirements of the constituted authorities and this Tariff. LP&L is not obligated to serve any equipment or any premises that has a detrimental effect on LP&L Facilities, the equipment or the equipment of Customers, or other Customer's Installations.

Any adjustments claimed by a Customer related to (i) the application of inaccurate rates or fees; (ii) inaccurate meter readings, (iii) meters or charges not corresponding to the Customer's Premises; or (iv) charges otherwise in excess of correct charges, must be presented by Customer to LP&L, Attention: City of Lubbock Utilities Customer Service, within six (6) months of the claimed Rate, fee or meter inaccuracy to be duly considered by LP&L. The requirement of timely presentation, as set forth above, shall not apply in instances wherein a Customer is billed for Service that is not received by Customer due to mistake of LP&L. Back-billing shall not exceed a period of six months, if it is found that a higher rate or

charge should have been applied to Customer, and Customer has no fault in the incorrect Rate or charge.

Nothing contained in this Tariff shall be construed to require a person or entity located within the Service Territory to accept Service from LP&L.

2. Continuous Service. **LP&L SHALL USE REASONABLE DILIGENCE TO PROVIDE CONTINUOUS SERVICE BUT LP&L DOES NOT GUARANTEE AGAINST IRREGULARITIES, INTERRUPTIONS, OR FLUCTUATING WAVE FORM OR FREQUENCY, IT BEING UNDERSTOOD THAT OCCASSIONAL IRREGULARITIES, INTERRUPTIONS, AND FLUCTUATIONS MAY OCCUR. LP&L SHALL NOT BE LIABLE FOR DAMAGES OR INJURY, INCLUDING BUT NOT LIMITED TO CONSEQUENTIAL OR ECONOMIC LOSS DAMAGES, LOSS OF PROFITS, LOSS OF REVENUE, LOSS OF PRODUCTION CAPACITY, OR DIRECT OR INDIRECT DAMAGES OF ANY KIND FOR INJURIES TO PERSONS OR PROPERTY, OCCASIONED BY INTERRUPTION, FAILURE TO COMMENCE DELIVERY VOLTAGE, WAVE FORM OR FREQUENCY FLUCTUATIONS CAUSED BY AN ACT OF GOD OR THE PUBLIC ENEMY, A BREAKDOWN OF PLANTS, LINES OR EQUIPMENT, ACCIDENTS, FIRE, EXPLOSIONS, STRIKES, RIOTS, WAR, PANDEMICS, DELAY IN RECEIVING SHIPMENTS OR REQUIRED MATERIALS, ORDER OF ANY COURT OR JUDGE GRANTED IN BONA FIDE ADVERSE LEGAL PROCEEDINGS OR ACTION OR ANY ORDER BY ANY COMMISSION OR TRIBUNAL HAVING JURISDICTION; OR, WITHOUT LIMITATION BY THE PRECEDING ENUMERATION, ANY OTHER ACT OR THING DUE TO CAUSES BEYOND LP&L'S CONTROL, OR DUE TO THE NEGLIGENCE OF LP&L, ITS EMPLOYEES, OR CONTRACTORS, EXCEPT TO THE EXTENT THAT THE DAMAGES ARE OCCASIONED BY THE GROSS NEGLIGENCE OR WILLFUL MISCONDUCT OF LP&L.**
3. Intentional Interruption of Service. Notwithstanding anything provided herein, LP&L may, without notice and without liability to the Customer, interrupt Service to the Customer when, in LP&L's sole judgment, the interruption of Service:
  - a. will prevent or alleviate an emergency threatening to disrupt the operation of LP&L's system, Facilities, or the applicable electrical grid;
  - b. will lessen or remove possible danger to life or property;
  - c. will aid in the restoration of Service;
  - d. is required to make necessary repairs to or changes in the Facilities; or
  - e. in the event of a national or local disaster, to protect public safety, or if required by any governmental or regulatory body with jurisdiction over LP&L, or if required by the applicable regional transmission operator, including ERCOT or SPP.

LP&L may, in the event of a national emergency or local disaster resulting in disruption of normal Service, in the public interest, interrupt Service to the

Customer to provide necessary Service to civil defense or other emergency service agencies on a temporary basis until normal Service to the agencies can be restored.

4. **Disclaimer of Warranties.** **LP&L AND THE CITY MAKE NO WARRANTIES WHATSOEVER WITH REGARD TO THE PROVISION OF ANY SERVICE AND DISCLAIM ANY AND ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF SERVICE, MERCHANTABILITY, AND FITNESS FOR A PARTICULAR PURPOSE.**
  
5. **Discontinuance, Suspension and Refusal of Service.** In addition to and in conjunction with any other federal, state or local law regarding discontinuance, suspension or refusal of utility service, LP&L may discontinue, suspend or refuse to supply Service to any Customer for the following reasons:
  - a. **Disconnection with notice.** LP&L may disconnect Service after proper notice for any of the following reasons:
    - (i) failure to pay a bill for Service or failure to comply with the terms of any agreed payment plan;
    - (ii) failure to pay a deposit as required by these General Terms and Conditions;
    - (iii) for any other reason whereby LP&L is legally entitled to disconnect Service with notice; or
    - (iv) for failure to comply with these General Terms and Conditions.
  
  - b. **Disconnection without notice.** LP&L may disconnect Service without prior notice for any of the following reasons:
    - (i) where a known dangerous condition exists for as long as the condition exists;
    - (ii) where Service is connected without authority by a person who has not made application for Service;
    - (iii) where Service was reconnected without authority after termination for nonpayment;
    - (iv) failure to comply with the terms of any agreed payment plan where such plan provides for disconnection without further notice;
    - (v) where there has been tampering with or extension of LP&L's equipment, Facilities, or evidence of theft of Service;
    - (vi) for any other reason whereby LP&L is legally entitled to disconnect Service without notice; or
    - (v) any other unauthorized use, including the sale or resale of Service.
  
  - c. **Refusal of Service.** LP&L may refuse to serve an Applicant for any of the following reasons:
    - (i) Applicant's installation or equipment, including but not limited to the Meter base, is known to be hazardous or of such a character that safe or satisfactory Service cannot be given;

- (ii) Applicant owes a debt to LP&L for Service;
- (iii) Applicant applies for Service at a location where another Customer received, or continues to receive, Service and the Service bill is unpaid at that location, if the change in identity is made in an attempt to assist the other Customer avoid or evade payment. An Applicant may request the Director of Electric Utilities, by providing notice as specified below, to review a decision to not provide Service due to a staff determination of an intent to deceive. Notice shall be provided in writing to the Director of Electric Utilities, at 1314 Avenue K, Lubbock, Texas 79401, not later than seven (7) calendar days after the Applicant is informed of the reason for refusal to connect;
- (iv) The Applicant fails to make a deposit if required do so under these General Terms and Conditions or Rate Schedule.
- (v) The Applicant does not provide true and accurate information to LP&L in its application for Service, or is not authorized to make an application for Service for the Premises;
- (vi) Evidence of unauthorized re-metering, sub-metering, or resale of Service; or
- (vii) A violation of these General Terms & Conditions, Rate Schedule, or Customer's Service agreement, as applicable.

d. Connection, Disconnection, and Reconnection.

- (i) Only LP&L employees, its agents, or other lawful officials who are authorized by LP&L have the authority to connect, disconnect, or reconnect Service either remotely or on the Premises. Service connection, disconnection or reconnection performed by any other person will be considered as an unauthorized act and appropriate action may be taken consistent with any legal remedies available to LP&L, including but not limited to, criminal prosecution.
- (ii) Customer is responsible for any fees and/or miscellaneous charges associated with any connection, disconnection and/or reconnection activities. Upon Customer's correction of the reasons for disconnection, LP&L shall reconnect the Service subject to Customer's payment of standard reconnect fees assessed in accordance with the Miscellaneous Service Charges, if any.

6. Customer Liabilities. Customer is responsible and liable for Customer's Installation, or other buildings, or facilities at and past the Customer's side of the Point of Delivery of Service including but not limited to:

- a. Excessive consumption caused by Customer's Installation;
- b. Damage caused by an open valve or circuit after Service initiation;
- c. A violation of the General Terms & Conditions, including Meter tampering, theft of Service, unlawful use of Service, or damage to the Facilities;

- d. Any loss or damage to LP&L, the Facilities, or third party facilities required to provide Service caused by or arising out of Customer's overloading or due to carelessness, neglect, or misuse by Customer or other person(s); or
- e. Any loss or damage to LP&L, the Facilities, or third party facilities caused by electrical backfeed or other negligent or intentional misuse of Distributed Generation connected to the Facilities, regardless of whether such equipment is approved through an Interconnection Agreement with LP&L, as applicable.

The cost of any damage or loss to LP&L or any third parties, due to the reasons stated above shall be the responsibility of the Customer.

7. Deposits. LP&L shall require a deposit for Service, in accordance with the following terms and conditions:

- a. LP&L shall require a deposit from the Applicant in an amount equal to ONE-SIXTH (1/6) of the reasonable and good-faith estimate of annual billings of the Premises or ONE HUNDRED THIRTY FIVE AND NO/100 DOLLARS (\$135.00), whichever is greater, except as provided herein.
- b. An Applicant for residential Service shall be exempt from the deposit requirement if any of the following conditions are met by the Applicant:
  - (i) The Applicant produces, to the satisfaction of LP&L, proof that during the two years prior to applying for Service from LP&L, the Applicant was a customer of a utility providing electric service or was a customer of one or more of the City of Lubbock utility services for at least twelve (12) consecutive months; and
    - 1) While a customer, the Applicant was not delinquent in paying for any utility service on more than one occasion; and while a customer, the Applicant never had any of the utility services subject to interruption for nonpayment; or
    - 2) the Applicant demonstrates adequate and available credit, to the satisfaction of LP&L, by producing evidence of creditworthiness in the Applicant's name from a utility providing electric service of whom the primary Applicant was a customer; or
    - 3) the Applicant is at least sixty-five (65) years of age and has no outstanding account balance with a utility for utility service including City of Lubbock utility services that accrued within the last two years.
  - (ii) the Applicant has been determined to be a victim of family violence as defined in the Texas Family Code §71.004, by a family violence center as defined in Texas Human Resources Code § 51.002, by treating medical personnel, by law enforcement personnel, by the Office of a Texas District Attorney or County Attorney, by the Office of the Attorney General, or by a grantee of the Texas Equal Access to Justice Foundation. This determination shall be evidenced

by submission of a certification letter developed by the Texas Council on Family Violence. The certification letter may be submitted directly to LP&L.

- c. A residential Customer who is exempted from the deposit requirement under Section 7(b) may have the exemption withdrawn and a deposit applied to the account if the Customer is no longer able to demonstrate creditworthiness. Events that are considered in this determination include but are not limited to:
  - (i) the Customer's account for Services becomes delinquent;
  - (ii) the Customer's Services are interrupted due to non-payment;
  - (iii) payment for Services has been returned to LP&L / City of Lubbock Utilities as a dishonored payment;
  - (iv) tampering with LP&L's Facilities, or theft of Service, has been found; or
  - (v) the Customer fails to comply with the terms of any agreed payment plan.
- d. Residential Deposit Refund: Customers from whom a deposit has been collected shall be eligible for a refund of said deposit after the Customer has paid bills for Service for twelve (12) consecutive residential billings and during this twelve (12) month period, demonstrated creditworthiness as defined in Section 7(b).
- e. An Applicant for non-residential Service shall be exempt from the deposit requirement if any of the following conditions are met by the Applicant :
  - (i) Proof that during the two years prior to applying for Service from LP&L, the Applicant was a customer of a utility providing electric service or was a customer of one or more of the City of Lubbock utility services for at least twelve (12) consecutive months; and is not currently delinquent in payment of any such utility service account;
  - (ii) While a customer of a utility providing electric service or a customer of one or more of the City of Lubbock utility services, the Applicant was not delinquent in paying for any service on more than one occasion;
  - (iii) While a customer of a utility providing electric service or a customer of one or more of the City of Lubbock utility services, the Applicant never had any of the services subject to interruption for nonpayment.
  - (iv) The Applicant demonstrates adequate and available credit, to the satisfaction of LP&L, by producing evidence of creditworthiness in the Applicant's name from a utility providing electric service of whom the primary Applicant was a customer. Additional forms of creditworthiness include Surety Bonds and Letter of Guarantee. Both of these mechanisms must guarantee payment to the utility in the event the Applicant defaults.



- f. A non-residential Customer who is exempted from the deposit requirement under Section 7(e) may have the exemption withdrawn and a deposit applied to the account if the Customer is no longer able to demonstrate creditworthiness. Events that are considered in this determination include but are not limited to:
    - (i) the Customer's account for Services become delinquent;
    - (ii) the Customer's Services are interrupted due to non-payment;
    - (iii) payment for Services has been returned to LP&L / City of Lubbock Utilities as a dishonored payment;
    - (iv) tampering with LP&L's Facilities, or theft of Service, has been found; or
    - (v) the Customer fails to comply with the terms of any agreed payment plan.
  - g. A non-residential Deposit Refund: Customers from whom a deposit has been collected shall be eligible for a refund of said deposit after the Customer has paid bills for Service for twenty-four (24) consecutive non-residential billings and during this twenty-four (24) month period, demonstrated creditworthiness as defined in Section 7(e).
  - h. Refunds to eligible Customers shall be made promptly either in the form of a check payable to the Customer or as a credit to the Customer's bill, as determined at the sole discretion of LP&L. A Customer who received a refund of their deposit may have the deposit requirement reapplied if the Customer no longer demonstrates creditworthiness and defined in Section 7(b) and (e).
  - i. LP&L shall keep the following records for all deposits collected by LP&L pursuant to this Section:
    - (i) the name and address of each depositor;
    - (ii) the amount and date of the deposit; and
    - (iii) each transaction concerning the deposit.
  - j. Any deposit not previously refunded to Customer or credited to Customer's account as provided herein shall be credited to Customer's final bill for Service.
8. Right of Way. By accepting Service under this Tariff, Customer provides, at no expense to LP&L, valid easements and rights-of-way, as required by LP&L, for installation of an electric distribution system, or other Facilities, to provide Service to Customer on the Premises. Subject to and in conjunction with all other applicable federal, state and local laws and regulations, LP&L shall have the right to clear its distribution system and Service Installation, of any interfering tree, shrub, or other obstruction and shall have the right to determine and maintain the amount of clearance it deems necessary in accordance with good utility practices and applicable law. Customer shall maintain all required clearances around Service Installation, Meters, and metering equipment satisfactory to LP&L. Customer shall not obstruct LP&L access to or around the Facilities, Service Installation, or equipment. If such obstruction(s) must be removed in order to provide, maintain,

or operate Service, LP&L may charge Customer the actual costs associated with such actions at its sole discretion.

9. Meters and Metering.

- a. LP&L owns, furnishes, installs, programs, calibrates, tests and maintains all Meters (but not Meter bases) and all associated Facilities, used for retail billing and settlement purposes in the Service Territory.
- b. In case of unauthorized re-metering, sale or resale of Service, extension, Service connection or reconnection, other disposition of Service, Meter tampering, other alteration, or theft, LP&L may, without prior notice to any party, immediately discontinue Service until and unless all unauthorized activity ceases and full payment is made by Customer to LP&L for all applicable replacement and/or Service charges in accordance with the applicable sections of this Tariff. Full payment may include monthly billings from the applicable Rate Schedules, including without limitation Miscellaneous Service Charges, estimated or actual past electrical usage, and charges for LP&L's expenses incurred in correcting Customer's unauthorized activities.
- c. LP&L shall install or utilize an AMI Meter at Customer's Premises unless Customer requests a Non-Standard Meter, and such request is accepted, and Customer complies with the terms of provisions of such Non-Standard Meter, including the payment of any applicable fees or Rates.

10. Access to Premises. LP&L or its authorized agents shall have safe access at all reasonable hours to the Premises to construct, operate, improve, reconstruct, replace, repair, inspect, patrol, maintain, add, or remove Facilities, Service Installation, Meters, including Meter reading, and all other purposes incident to supplying of Service. In the event such safe access is obstructed or otherwise made unavailable, LP&L may take any actions authorized by law, this Tariff, or otherwise to gain access to the Premises.

11. Voltage Tolerances. LP&L may measure and record voltage levels at Customer's billing Meter. Voltages outside of the Acceptable Range, as defined below, will be corrected as soon as possible by LP&L. For purposes of the Tariff, voltages within the Acceptable Range shall be deemed consistent with proper electric utility Service and good utility practice.

Nominal Voltage (Volts)	Acceptable Range (Volts)
120	110-127
208	191-220

240	220-254
277	254-293
480	440-508

12. Agreed Payment Plan. LP&L may allow a Customer to pay an outstanding bill in installments, and if Customer pays according to the agreed upon plan, the Customer will avoid disconnection for non-payment. In such event, the Customer may establish a payment plan by contacting LP&L in person, by telephone or by any other electronic communication approved by LP&L. Any such agreed payment plan shall be subject to the following terms and conditions.
- The agreed payment plan must be in writing;
  - The Director of Electric Utilities may include terms and conditions consistent with the Tariff and applicable federal, state, and local law and regulations.
  - In the event of a conflict between a written agreed payment plan and the Tariff, unless otherwise provided by in agreed payment plan, the terms and conditions of the Tariff shall control.
  - Failure to pay according to the payment plan may result in disconnection of Service to Customer.
13. Right to Amend. The Tariff may be amended or modified by LP&L through a written instrument duly executed by the City Council of the City of Lubbock without further notice provided to Customer, except as otherwise required by law.
14. Critical Care Residential Customers and Critical Load Industrial Customers.
- Procedure for Qualification. LP&L will designate Critical Care Residential Customers and Critical Load Industrial Customers in accordance with Texas Utilities Code Section 17.005(f), and follow any procedures as may be required by Texas Utilities Code Section 17.005(f), and the rules promulgated thereunder.
  - Designation as a Critical Care Residential Customer or Critical Load Industrial Customer under this Section does not relieve Customer of the obligation to pay LP&L for Service(s) rendered, does not prevent disconnection for nonpayment or other reasons provided in this Tariff, and does not prohibit LP&L from utilizing any approved collection methods for recovering the obligation. An enrolled Critical Care Residential Customer or Critical Load Industrial Customer may also request

information from LP&L regarding eligibility requirements for deferred payment arrangements and/or payment assistance programs.

- c. No Guarantee of Service. Designation as a Critical Care Residential Customer or Critical Load Industrial Customer does not guarantee uninterrupted Service. Specifically, Service may be interrupted as provided herein.
15. Severability. If any portion of this Tariff is held unenforceable by a court of competent jurisdiction, the remainder of the Tariff shall not be affected and shall remain fully in force and enforceable. To the extent permitted by applicable laws, the Customer hereby waives any provision of applicable law that renders any provision hereof prohibited or unenforceable in any respect. Furthermore, in lieu of each such illegal, invalid, or unenforceable provision, there shall be provisions added automatically as part of this Tariff to replace such illegal, invalid, or unenforceable provision with a legal, valid, and enforceable provision, the economic effect of which comes as close as possible to that of the illegal, invalid, or unenforceable provision.
16. Meter Aggregation. LP&L will bill each Meter as a single Meter. Customers with multiple Meters that are rendered to a contiguous area, or that are metered across a dedicated street or alley will be billed on a per Meter basis with no aggregation of those Meters for billing purposes. Subject to mutual agreement by Customer and LP&L, multiple Meters may be electronically or digitally totalized.
17. Interconnection. No Customer may interconnect any Distributed Generation to the system of LP&L, unless and until an Interconnection Agreement is entered into by Customer and LP&L. A Customer interconnecting Distributed Generation to the system of LP&L agrees to abide by the Interconnection Guidelines or Interconnection Agreement, as applicable, the PUC rules, and ERCOT Protocols regarding same.
18. Applicable Law. **The laws of the State of Texas shall govern the validity, performance and enforcement of this Tariff and the venue for any legal proceedings shall lie solely in courts of competent jurisdiction located in Lubbock County, Texas.**



## RESIDENTIAL STANDARD SERVICE

### Rate 1

<b>APPLICABLE:</b>	To residential Customers for Service used for domestic purposes in private residences and separately metered individual apartments when all Service is supplied at the Point of Delivery and measured through one Meter, where Customer’s Installation has adequate capacity and suitable voltage are adjacent to the Premises. Single-phase motors not to exceed 10 horsepower, individual capacity, may be served under this rate.		
<b>TERRITORY:</b>	LP&L Service Territory		
<b>RATE:</b>	Service Availability Charge:	\$8.07 per month per Meter	
	Energy Charge:	\$0.03381 per kWh	
<b>POWER COST RECOVERY FACTOR:</b>	The charge per kilowatt-hour of the above rate shall be increased by the applicable recovery factor per kilowatt hour as provided in the current LP&L “Power Cost Recovery Factor”.		
<b>FRANCHISE FEE EQUIVALENT:</b>	The charge of the above rate may be increased (i) by an amount no greater than the equivalent franchise fee established by the City Council of the City of Lubbock for any other electric utility; or (ii) by an amount equal to any franchise fee obligation applicable to LP&L as established by the City Council of the City of Lubbock.		
<b>TAX:</b>	Billings under this schedule may be increased by an amount equal to the sum of the applicable federal, state and local taxes, fees, or charges levied, assessed and/or payable by LP&L for Services rendered, or on the right or privilege or rendering the Service, or on any object or event incidental to the rendition of the Service.		
<b>BUDGET BILLING:</b>	Budget billing is available upon request. Budget billing is a program that allows a Customer to pay a specified amount each month instead of paying the actual billed amount. Customers must have a minimum of 12 months history at their current address to qualify for budget billing. Customers must have a zero balance at the time budget billing is implemented and must keep their accounts current to remain on budget billing.		

<b>TERMS OF PAYMENT:</b>	Payment due on receipt. A late charge of 5% may be added to all bills not paid within 21 days after bill date. If the 21 <sup>st</sup> day falls on a weekend or an official City of Lubbock recognized holiday, the late charge will not be applied until the next business day.
<b>CHARACTER OF SERVICE:</b>	AC. 60 hertz. Single-phase 120/240 volts. Three-phase 240 volts where available on secondary.
<b>TERMS &amp; CONDITIONS:</b>	Service supplied under this rate is subject to the terms and conditions set forth in LP&L's General Terms and Conditions of the Tariff as approved by the City Council of the City of Lubbock and on file with the City Secretary of the City of Lubbock.
<b>EFFECTIVE DATE:</b>	For all Meters read by LP&L on or after October 1, 2021



## RESIDENTIAL ELECTRIC SPACE HEATING SERVICE

### Rate 3

<b>APPLICABLE:</b>	To residential Customers for Service with predominant electric space heating used for domestic purposes in private residences and separately metered individual apartments when all Service is supplied at one Point of Delivery and measured through one Meter, where Customer's Installation has adequate capacity and suitable voltage are adjacent to the Premises to be served. Single-phase motors not to exceed 10 horsepower, individual capacity, may be served under this rate. Electric space heating includes permanently installed whole house space heating equipment in regular use, including heat pumps and electric resistance heating and excluding bathroom heaters.	
<b>TERRITORY:</b>	LP&L Service Territory	
<b>RATE:</b>	Service Availability Charge:	\$8.07 per month per Meter
	Energy Charge:	\$0.02921 per kWh
<b>POWER COST RECOVERY FACTOR:</b>	The charge per kilowatt-hour of the above rate shall be increased by the applicable recovery factor per kilowatt-hour as provided in the current LP&L "Power Cost Recovery Factor".	
<b>FRANCHISE FEE EQUIVALENT:</b>	The charge of the above rate may be increased (i) by an amount no greater than the equivalent franchise fee established by the City Council of the City of Lubbock for any other electric utility; or (ii) by an amount equal to any franchise fee obligation applicable to LP&L as established by the City Council of the City of Lubbock.	
<b>TAX:</b>	Billings under this schedule may be increased by an amount equal to the sum of the applicable federal, state and local taxes, fees, or charges levied, assessed and/or payable by LP&L for Service rendered, or on the right or privilege or rendering the Service, or on any object or event incidental to the rendition of the Service.	

<b>BUDGET BILLING:</b>	Budget billing is available upon request. Budget billing is a program that allows a Customer to pay a specified amount each month instead of paying the actual billed amount. Customers must have a minimum of 12 months history at their current address to qualify for budget billing. Customers must have a zero balance at the time budget billing is implemented and must keep their accounts current to remain on budget billing.
<b>TERMS OF PAYMENT:</b>	Payment due on receipt. A late charge of 5% may be added to all bills not paid within 21 days after bill date. If the 21 <sup>st</sup> day falls on a weekend or an official City of Lubbock recognized holiday, the late charge will not be applied until the next business day.
<b>CHARACTER OF SERVICE:</b>	AC. 60 hertz. Single-phase 120/240 volts. Three-phase 240 volts where available on secondary.
<b>TERMS &amp; CONDITIONS:</b>	Service supplied under this rate is subject to the terms and conditions set forth in LP&L's General Terms and Conditions of the Tariff as approved by the City Council of the City of Lubbock and on file with the City Secretary of the City of Lubbock.
<b>EFFECTIVE DATE:</b>	For all Meters read by LP&L on or after October 1, 2021





## RESIDENTIAL NET METERING SERVICE

### Rate 5

**APPLICABLE:**

To residential Customers for Service used for domestic purposes in private residences and separately metered individual apartments when all Service is supplied at one Point of Delivery and measured through one Meter, where Customer's Installation has adequate capacity and suitable voltage are adjacent to the Premises. Single-phase motors not to exceed 10 horsepower, individual capacity, may be served under this rate.

This rate is available to Net Metering Customers only. Net Metering Customers are defined as Customers who have installed residential solar technology capable of producing less than 10kW as distributed generation on the Customer side of the LP&L Meter. As a condition of Service under this Rate Schedule, all Net Metering Customers must sign an Interconnection Agreement. Customers that qualify for this rate will receive credit in kWh generated against kWh consumed in one billing period. kWh credits will only offset up to the amount of kWh consumed in each billing period.

In the event a Net Metering Customer interconnects Distributed Generation to the LP&L system, such Net Metering Customer shall either (i) enter into an Interconnection Agreement, as described and required herein; or (ii) be subject to immediate disconnection from the LP&L system.

**TERRITORY:**

LP&L Service Territory

**RATE:**

Service Availability Charge: \$30.43 per month per Meter

Summer Energy Charge ( $\leq 1,000$ kWh):	\$0.01292 per kWh
Summer Energy Charge ( $> 1,000$ kWh):	\$0.02349 per kWh

Non-Summer Energy Charge ( $\leq 1,000$ kWh):	\$0.00397 per kWh
Non-Summer Energy Charge ( $> 1,000$ kWh):	\$0.01175 per kWh

**NON-SUMMER  
MONTHS:**

The billing months of October through May

**SUMMER MONTHS:**

The billing months of June through September

<b>POWER COST RECOVERY FACTOR:</b>	The charge per kilowatt-hour of the above rate shall be increased by the applicable recovery factor per kilowatt hour as provided in the current LP&L “Power Cost Recovery Factor”.
<b>FRANCHISE FEE EQUIVALENT:</b>	The charge of the above rate may be increased (i) by an amount no greater than the equivalent franchise fee established by the City Council of the City of Lubbock for any other electric utility; or (ii) by an amount equal to any franchise fee obligation applicable to LP&L as established by the City Council of the City of Lubbock.
<b>TAX:</b>	Billings under this schedule may be increased by an amount equal to the sum of the applicable federal, state and local taxes, fees, or charges levied, assessed and/or payable by LP&L for Services rendered, or on the right or privilege or rendering the Service, or on any object or event incidental to the rendition of the Service.
<b>BUDGET BILLING:</b>	Budget billing is available upon request. Budget billing is a program that allows a Customer to pay a specified amount each month instead of paying the actual billed amount. Customers must have a minimum of 12 months history at their current address to qualify for budget billing. Customers must have a zero balance at the time budget billing is implemented and must keep their accounts current to remain on budget billing.
<b>TERMS OF PAYMENT:</b>	Payment due on receipt. A late charge of 5% may be added to all bills not paid within 21 days after bill date. If the 21st day falls on a weekend or an official City of Lubbock recognized holiday, the late charge will not be applied until the next business day.
<b>CHARACTER OF SERVICE:</b>	AC. 60 hertz. Single-phase 120/240 volts. Three-phase 240 volts where available on secondary.
<b>TERMS &amp; CONDITIONS:</b>	Service supplied under this rate is subject to the terms and conditions set forth in LP&L’s General Terms and Conditions of the Tariff as approved by the City Council of the City of Lubbock and on file with the City Secretary of the City of Lubbock.
<b>EFFECTIVE DATE:</b>	For all Meters read by LP&L on or after October 1, 2021



## SMALL GENERAL SERVICE

### Rate 10

#### APPLICABLE:

To commercial Customers for Service supplied at secondary voltage for commercial purposes when all Service is supplied at one Point of Delivery and measured through one Meter, where Customer's Installation has adequate capacity and suitable voltage are adjacent to the Premises, and whose load does not exceed 10 kW of demand in any month. Single-phase motors not to exceed 10 horsepower, individual capacity, may be served under this rate. Youth-oriented (18 years of age and younger) non-profit sports leagues utilizing Service for sports field lighting at municipally owned outdoor facilities may be served under this rate regardless of demand. Meters in which the load exceeds 10 kW of demand in any month will be assigned to Rate 16 (Secondary General Service) and will not be eligible to be reassigned to Rate 10 until there have been 12 consecutive months where loads have not exceeded 10 kW of demand.

Not applicable to temporary, breakdown, standby, supplementary, resale or shared Service.

#### TERRITORY:

LP&L Service Territory

#### RATE:

Service Availability Charge: \$13.55 per month per Meter

Energy Charge: \$0.01987 per kWh

#### POWER COST RECOVERY FACTOR:

The charge per kilowatt-hour of the above rate shall be increased by the applicable recovery factor per kilowatt hour as provided in the current LP&L "Power Cost Recovery Factor".

#### FRANCHISE FEE EQUIVALENT:

The charge of the above rate may be increased (i) by an amount no greater than the equivalent franchise fee established by the City Council of the City of Lubbock for any other electric utility; or (ii) by an amount equal to any franchise fee obligation applicable to LP&L as established by the City Council of the City of Lubbock.

<b>TAX:</b>	Billings under this schedule may be increased by an amount equal to the sum of the applicable federal, state and local taxes, fees, or charges levied, assessed and/or payable by LP&L for Services rendered, or on the right or privilege or rendering the Service, or on any object or event incidental to the rendition of the Service.
<b>TERMS OF PAYMENT:</b>	Payment due on receipt. A late charge of 5% may be added to all bills not paid within 21 days after bill date. If the 21 <sup>st</sup> day falls on a weekend or an official City of Lubbock recognized holiday, the late charge will not be applied until the next business day.
<b>CHARACTER OF SERVICE:</b>	AC. 60 hertz. Single-phase 120/240 volts. Three-phase 240 volts where available on secondary.
<b>TERMS &amp; CONDITIONS:</b>	Service supplied under this rate is subject to the terms and conditions set forth in LP&L's General Terms and Conditions of the Rate Schedule as approved by the City Council of the City of Lubbock and on file with the City Secretary of the City of Lubbock.
<b>EFFECTIVE DATE:</b>	For all Meters read by LP&L on or after October 1, 2021



## SMALL GENERAL NET METERING SERVICE

### Rate 11

#### APPLICABLE:

To commercial Customers for Service supplied at secondary voltage for commercial purposes when all Service is supplied at one Point of Delivery and measured through one Meter, where Customer's Installation has adequate capacity and suitable voltage are adjacent to the Premises, and whose load does not exceed 10 kW of demand in any month. Meters in which the load exceeds 10 kW of demand in any month will be assigned to Rate 16 (Secondary General Service) and will not be eligible to be reassigned to Rate 11 until there have been 12 consecutive months where loads have not exceeded 10 kW of demand. Single-phase motors not to exceed 10 horsepower, individual capacity, may be served under this rate.

This rate is available to Net Metering Customers only. As a condition of Service under this Rate Schedule, all Net Metering Customers on this rate must sign an Interconnection Agreement. Net Metering Customers that qualify for this rate will receive credit in kWh generated against kWh consumed in one billing period. kWh credits will only offset up to the amount of kWh consumed in each billing period.

Not applicable to temporary, breakdown, standby, supplementary, resale or shared Service.

In the event a Net Metering Customer interconnects Distributed Generation to the LP&L system, such Net Metering Customer shall either (i) enter into an Interconnection Agreement, as described and required herein; or (ii) be subject to immediate disconnection from the LP&L system.

#### TERRITORY:

LP&L Service Territory

#### RATE:

Service Availability Charge:	\$28.77 per month
Energy Charge ( $\leq 1,000$ kWh):	\$0.00076 per kWh
Energy Charge ( $> 1,000$ kWh):	\$0.01878 per kWh

<b>POWER COST RECOVERY FACTOR:</b>	The charge per kilowatt-hour of the above rate shall be increased by the applicable recovery factor per kilowatt hour as provided in the current LP&L “Power Cost Recovery Factor”.
<b>FRANCHISE FEE EQUIVALENT:</b>	The charge of the above rate may be increased (i) for competitive purposes, by an amount no greater than the equivalent franchise fee established by the City Council of the City of Lubbock for any competing electric utility; or (ii) by an amount equal to any franchise fee obligation applicable to LP&L as established by the City Council of the City of Lubbock.
<b>TAX:</b>	Billings under this schedule may be increased by an amount equal to the sum of the applicable federal, state and local taxes, fees, or charges levied, assessed and/or payable by LP&L for Service rendered, or on the right or privilege or rendering the Service, or on any object or event incidental to the rendition of the Service.
<b>TERMS OF PAYMENT:</b>	Payment due on receipt. A late charge of 5% will be added to all bills not paid within 21 days after bill date. If the 21 <sup>st</sup> day falls on a weekend or an official City of Lubbock recognized holiday, the late charge will not be applied until the next business day.
<b>CHARACTER OF SERVICE:</b>	AC. 60 hertz. Single-phase 120/240 volts. Three-phase 240 volts where available on secondary.
<b>TERMS &amp; CONDITIONS:</b>	Service supplied under this rate is subject to the terms and conditions set forth in LP&L’s General Terms and Conditions of the Tariff as approved by the City Council of the City of Lubbock and on file with the City Secretary of the City of Lubbock. In the event a Net Metering Customer entitled to Service under Rate 11 is a purchaser under a power purchase agreement (“PPA”) with LP&L, in which the rates for Service and power to such Net Metering Customer are provided therein, such rates payable by Net Metering Customer shall be as provided in the PPA (in lieu of this Tariff), so long as such PPA shall remain valid and subsisting and enforceable against Net Metering Customer. Further, in such instance, in the event of a conflict between this Tariff and the PPA, the terms of the PPA shall control.
<b>EFFECTIVE DATE:</b>	For all Meters read by LP&L on or after October 1, 2021



## LARGE SCHOOL SERVICE

### Rate 15

**APPLICABLE:**

To all public and private school facilities supplied at secondary voltage for school purposes when all Service is supplied at one Point of Delivery and measured through one Meter, where Customer's Installation has adequate capacity and suitable voltage are adjacent to the Premises and whose load exceeds 10 kW of demand in any month. Meters on this rate with loads that drop to 10 kW of demand or below will be eligible to be reassigned to Rate 21 (Small Municipal and School Service) only after 12 consecutive months where loads have not exceeded 10 kW of demand.

Not applicable to temporary, breakdown, standby, supplementary, resale or shared Service, or to Service for which a specific Rate Schedule is provided.

**TERRITORY:**

LP&L Service Territory

**RATE:**

Service Availability Charge:	\$39.74 per month per Meter
Energy Charge:	\$0.00049 per kWh
Demand Charge:	\$5.77410 per kW

**DEMAND:**

LP&L will furnish at its expense the necessary metering equipment to measure the Customer's kW demand for the 15 or 30-minute period (as applicable per LP&L's metering technology selected) of greatest use during the month. In the absence of a demand Meter, the Customer's demand will be billed using the monthly kilowatt-hours and an average load factor of 41.30 percent. In no month, shall the billing demand be greater than the kW value determined by dividing the kWh sales for the billing period by 25 hours.

**POWER COST  
RECOVERY FACTOR:**

The charge per kilowatt and kilowatt-hour of the above rate shall be increased by the applicable recovery factor per kilowatt and kilowatt hour as provided in the current LP&L "Power Cost Recovery Factor".

<b>FRANCHISE FEE EQUIVALENT:</b>	The charge of the above rate may be increased (i) by an amount no greater than the equivalent franchise fee established by the City Council of the City of Lubbock for any other electric utility; or (ii) by an amount equal to any franchise fee obligation applicable to LP&L as established by the City Council of the City of Lubbock.
<b>TAX:</b>	Billings under this schedule may be increased by an amount equal to the sum of the applicable federal, state and local taxes, fees, or charges levied, assessed and/or payable by LP&L for Services rendered, or on the right or privilege or rendering the Service, or on any object or event incidental to the rendition of the Service.
<b>POWER FACTOR:</b>	<p>Applicable to Customers on this Rate Schedule with a peak demand of 200 kW or greater. At all times, Customer will maintain at the Point of Delivery, a power factor of not less than 85% lagging.</p> <p>Where Customer's Installation fails to maintain a power factor of at least 85% lagging at LP&amp;L's Point of Delivery, Customer shall install suitable capacitors or other equipment necessary to raise the overall power factor at the Point of Delivery to a satisfactory value. Where such power factor correction equipment is used, Customer shall install a relay, switch or other regulating equipment for purposes of disconnecting or controlling the power factor correction equipment in order to prevent excessive voltage conditions on LP&amp;L's system.</p>
<b>TERMS OF PAYMENT:</b>	Payment due on receipt. A late charge of 5% may be added to all bills not paid within 21 days after bill date. If the 21 <sup>st</sup> day falls on a weekend or an official City of Lubbock recognized holiday, the late charge will not be applied until the next business day.
<b>CHARACTER OF SERVICE:</b>	AC. 60 hertz. Single-phase or three-phase, at one available standard voltage.
<b>TERMS &amp; CONDITIONS:</b>	Service supplied under this rate is subject to the terms and conditions set forth in LP&L's General Terms and Conditions of the Tariff as approved by the City Council of the City of Lubbock and on file with the City Secretary of the City of Lubbock.
<b>EFFECTIVE DATE:</b>	For all Meters read by LP&L on or after October 1, 2021





## SECONDARY GENERAL SERVICE AND SECONDARY GENERAL SERVICE NET METERING

### Rate 16

#### APPLICABLE:

To all commercial and industrial Customers for Service supplied at secondary voltage for commercial purposes when all Service is supplied at one Point of Delivery and measured through one Meter, where Customer's Installation has adequate capacity and suitable voltage are adjacent to the Premises and whose load exceeds 10 kW of demand in any month. Meters on this rate with loads that drop to 10 kW of demand or below will be eligible to be reassigned to Rate 10 (Small General Service) only after 12 consecutive months where loads have not exceeded 10 kW of demand.

This rate is also available for Net Metering Customers. As a condition of Service under this Rate Schedule, all Net Metering Customers with installed non-residential solar or wind technology capable of producing less than 200kW as Distributed Generation must sign an Interconnection Agreement. Net Metering Customers that qualify for this rate will receive credit in kWh generated against kWh consumed in one billing period. kWh credits will only offset up to the amount of kWh consumed in each billing period. Demand will be billed as maximum demand greater than zero.

Not applicable to temporary, breakdown, standby, supplementary, resale or shared Service.

In the event a Net Metering Customer interconnects Distributed Generation to the LP&L system, such Net Metering Customer shall either (i) enter into an Interconnection Agreement, as described and required herein; or (ii) be subject to immediate disconnection from the LP&L system.

#### TERRITORY:

LP&L Service Territory

#### RATE:

Service Availability Charge:	\$28.56 per month per Meter
Energy Charge:	\$0.00080 per kWh
Summer Demand Charge:	\$8.00922 per kW
Non-Summer Demand Charge:	\$4.28400 per kW

<b>NON-SUMMER MONTHS:</b>	The billing months of October through May
<b>SUMMER MONTHS:</b>	The billing months of June through September
<b>DEMAND:</b>	LP&L will furnish at its expense the necessary metering equipment to measure Customer's kW demand for the 15 or 30-minute period (as applicable per LP&L's metering technology selected) of greatest use during the month. In the absence of a demand meter, the Customer's demand will be billed using the monthly kilowatt-hours and an average load factor of 57.01 percent. In no month, shall the billing demand be greater than the kW value determined by dividing the kWh sales for the billing period by 25 hours. There will be no demand cap for Net Metering Customers.
<b>POWER COST RECOVERY FACTOR:</b>	The charge per kilowatt and kilowatt-hour of the above rate shall be increased by the applicable recovery factor per kilowatt and kilowatt hour as provided in the current LP&L "Power Cost Recovery Factor".
<b>FRANCHISE FEE EQUIVALENT:</b>	The charge of the above rate may be increased (i) by an amount no greater than the equivalent franchise fee established by the City Council of the City of Lubbock for any other electric utility; or (ii) by an amount equal to any franchise fee obligation applicable to LP&L as established by the City Council of the City of Lubbock.
<b>TAX:</b>	Billings under this schedule may be increased by an amount equal to the sum of the applicable federal, state and local taxes, fees, or charges levied, assessed and/or payable by LP&L for Services rendered, or on the right or privilege or rendering the Service, or on any object or event incidental to the rendition of the Service.
<b>POWER FACTOR:</b>	Applicable to Customers on this Rate Schedule with a peak demand of 200 kW or greater. At all times, Customer will maintain at LP&L's Point of Delivery, a power factor of not less than 85% lagging. Where Customer's Installation fails to maintain a power factor of at least 85% lagging at LP&L's Point of Delivery, Customer shall install suitable capacitors or other equipment necessary to raise the overall power factor at the point of delivery to a satisfactory value. Where such power factor correction equipment is used, Customer shall install a relay, switch or other regulating equipment for purposes of disconnecting or controlling the power factor correction equipment in order to prevent excessive voltage conditions on LP&L's system.

<b>TERMS OF PAYMENT:</b>	Payment due on receipt. A late charge of 5% may be added to all bills not paid within 21 days after bill date. If the 21 <sup>st</sup> day falls on a weekend or an official City of Lubbock recognized holiday, the late charge will not be applied until the next business day.
<b>CHARACTER OF SERVICE:</b>	AC. 60 hertz. Single-phase or three-phase, at one available standard voltage.
<b>TERMS &amp; CONDITIONS:</b>	Service supplied under this rate is subject to the terms and conditions set forth in LP&L's General Terms and Conditions of the Tariff as approved by the City Council of the City of Lubbock and on file with the City Secretary of the City of Lubbock. In the event a Customer entitled to Service under Rate 16 is a purchaser under a power purchase agreement ("PPA") with LP&L, in which the rates for Service to such Customer are provided therein, such rates payable by Customer shall be as provided in the PPA (in lieu of this Tariff), so long as such PPA shall remain valid and subsisting and enforceable against Customer. Further, in such instance, in the event of a conflict between this Tariff and the PPA, the terms of the PPA shall control.
<b>EFFECTIVE DATE:</b>	For all Meters read by LP&L on or after October 1, 2021



## PRIMARY GENERAL SERVICE

### Rate 16P

<b>APPLICABLE:</b>	To all commercial and industrial Customers for Service supplied at primary voltage for commercial purposes when all Service is supplied at one Point of Delivery and measured through one Meter, where Customer's Installation has adequate capacity and suitable voltage are adjacent to the Premises.	
	Not applicable to temporary, breakdown, standby, supplementary, resale or shared Service.	
<b>TERRITORY:</b>	LP&L Service Territory	
<b>RATE:</b>	Service Availability Charge:	\$310.44 per month per Meter
	Energy Charge:	\$0.00057 per kWh
	Demand Charge:	\$5.15323 per kW
<b>DEMAND:</b>	LP&L will furnish at its expense the necessary metering equipment to measure the Customer's kW demand for the 15 or 30-minute period (as applicable per LP&L's metering technology selected) of greatest use during the month. In the absence of a demand meter, the Customer's demand will be billed using the monthly kilowatt-hours and an average load factor of 69.71 percent. In no month, shall the billing demand be greater than the kW value determined by dividing the kWh sales for the billing period by 25 hours.	
<b>LOSS ADJUSTMENT:</b>	When metering is installed on the secondary (Customer's) side of any voltage transformation made at less than available primary voltage at the Point of Service, the Meter readings for billing purposes shall be increased to include all transformation losses.	
<b>POWER COST RECOVERY FACTOR:</b>	The charge per kilowatt and kilowatt-hour of the above rate shall be increased by the applicable recovery factor per kilowatt and kilowatt hour as provided in the current LP&L "Power Cost Recovery Factor".	

<b>FRANCHISE FEE EQUIVALENT:</b>	The charge of the above rate may be increased (i) by an amount no greater than the equivalent franchise fee established by the City Council of the City of Lubbock for any other electric utility; or (ii) by an amount equal to any franchise fee obligation applicable to LP&L as established by the City Council of the City of Lubbock.
<b>TAX:</b>	Billings under this schedule may be increased by an amount equal to the sum of the applicable federal, state and local taxes, fees, or charges levied, assessed and/or payable by LP&L for Services rendered, or on the right or privilege or rendering the Service, or on any object or event incidental to the rendition of the Service.
<b>POWER FACTOR:</b>	Applicable to Customers on this Rate Schedule with a peak demand of 200 kW or greater. At all times, Customer's Installation will maintain at the Point of Delivery, a power factor of not less than 85% lagging. Where Customer fails to maintain a power factor of at least 85% lagging at the Point of Delivery, Customer shall install suitable capacitors or other equipment necessary to raise the overall power factor at the point of delivery to a satisfactory value. Where such power factor correction equipment is used, Customer shall install a relay, switch or other regulating equipment for purposes of disconnecting or controlling the power factor correction equipment in order to prevent excessive voltage conditions on LP&L's system.
<b>TERMS OF PAYMENT:</b>	Payment due on receipt. A late charge of 5% may be added to all bills not paid within 21 days after bill date. If the 21 <sup>st</sup> day falls on a weekend or an official City of Lubbock recognized holiday, the late charge will not be applied until the next business day.
<b>CHARACTER OF SERVICE:</b>	AC. 60 hertz. Single-phase or three-phase at LP&L's available primary voltage.
<b>TERMS &amp; CONDITIONS:</b>	Service supplied under this rate is subject to the terms and conditions set forth in LP&L's General Terms and Conditions of the Tariff as approved by the City Council of the City of Lubbock and on file with the City Secretary of the City of Lubbock. In the event a Customer entitled to Service under Rate 16P is a purchaser under a power purchase agreement ("PPA") with LP&L, in which the rates for Service to such Customer are provided therein, such rates payable by Customer shall be as provided in the PPA (in lieu of this Tariff), so long as such PPA shall remain valid and subsisting and enforceable against Customer. Further, in such instance, in the event of a conflict between this Tariff and the PPA, the terms of the PPA shall control.
<b>EFFECTIVE DATE:</b>	For all Meters read by LP&L on or after October 1, 2021



## TRANSMISSION GENERAL SERVICE

### Rate 16T

#### APPLICABLE:

To all commercial and industrial Customers for electric Service supplied at transmission voltage of 69kV or above for commercial purposes when all Service is supplied at one Point of Delivery and measured through one Meter, where Customer's Installation has adequate capacity and suitable voltage are adjacent to the Premises.

Not applicable to temporary, breakdown, standby, supplementary, resale or shared Service.

#### TERRITORY:

LP&L Service Territory

#### RATE:

Service Availability Charge: \$310.44 per month per Meter

Energy Charge: \$0.00055 per kWh

Demand Charge: \$2.73 per kW

#### DEMAND:

LP&L will furnish at its expense the necessary metering equipment to measure the Customer's kW demand for the 15 or 30-minute period (as applicable per LP&L's metering technology selected) of greatest use during the month.

#### LOSS ADJUSTMENT:

When metering is installed at voltage less than 69kV or on Customer's side at lower voltage of any voltage transformation made at less than available transmission voltage at the Point of Service, the Meter readings for billing purposes shall be increased to include all transformation losses.

#### POWER COST RECOVERY FACTOR:

The charge per kilowatt and kilowatt-hour of the above rate shall be increased by the applicable recovery factor per kilowatt and kilowatt hour as provided in the current LP&L "Power Cost Recovery Factor".

<b>FRANCHISE FEE EQUIVALENT:</b>	The charge of the above rate may be increased (i) by an amount no greater than the equivalent franchise fee established by the City Council of the City of Lubbock for any other electric utility; or (ii) by an amount equal to any franchise fee obligation applicable to LP&L as established by the City Council of the City of Lubbock.
<b>TAX:</b>	Billings under this schedule may be increased by an amount equal to the sum of the applicable federal, state and local taxes, fees, or charges levied, assessed and/or payable by LP&L for Services rendered, or on the right or privilege or rendering the Service, or on any object or event incidental to the rendition of the Service.
<b>POWER FACTOR:</b>	<p>Applicable to Customers on this Rate Schedule with a peak demand of 200 kW or greater. At all times, Customer will maintain at the Point of Delivery, a power factor of not less than 90% lagging.</p> <p>In the event a low voltage condition due to lagging power factor exists in a degree sufficient to impair LP&amp;L's Service, Customer shall install suitable capacitors or other equipment necessary to raise the over-all power factor at the Point of Delivery to a satisfactory value. Where such power factor correction equipment is used, Customer shall install a relay, switch or other regulating equipment for purposes of disconnecting or controlling the power factor correction equipment in order to prevent excessive voltage conditions on LP&amp;L's system.</p>
<b>TERMS OF PAYMENT:</b>	Payment due on receipt. A late charge of 5% may be added to all bills not paid within 21 days after bill date. If the 21 <sup>st</sup> day falls on a weekend or an official City of Lubbock recognized holiday, the late charge will not be applied until the next business day.
<b>CHARACTER OF SERVICE:</b>	AC. 60 hertz. Three-phase at LP&L's available transmission voltage of approximately 69 kV or above.
<b>TERMS &amp; CONDITIONS:</b>	Service supplied under this rate is subject to the terms and conditions set forth in LP&L's General Terms and Conditions of the Tariff as approved by the City Council of the City of Lubbock and on file with the City Secretary of the City of Lubbock.
<b>EFFECTIVE DATE:</b>	For all Meters read by LP&L on or after October 1, 2021



## STATE UNIVERSITY GENERAL SERVICE

### Rate 16U

**APPLICABLE:** To all State of Texas universities using more than 100,000,000 kWh per year where Customer's Installation has adequate capacity and suitable voltage are adjacent to the Premises.

Not applicable to temporary, breakdown, standby, supplementary, resale or shared Service.

**TERRITORY:** LP&L Service Territory

**RATE:**

Service Availability Charge:	\$0.00 per month per Meter
Demand Charge:	\$0.00
Energy Charge:	\$0.012150 per kWh

**WHOLESALE POWER CHARGE:** The charge per kilowatt-hour of the above rate shall be increased by an amount equal to LP&L's total cost of Wholesale Power for the month immediately preceding the current billing month for the Customer as delivered to all LP&L Customers including assumed system losses of 2%. The Wholesale Power Charge shall be calculated monthly by dividing (i) the amount of the Total Bill for Wholesale Power for the month immediately preceding the current billing month for the Customer including any prior month adjustments by (ii) the kWh delivered to all LP&L Customers in the month immediately preceding the current billing month for the Customer. The kWh delivered to all LP&L Customers shall be calculated by reducing by 2% the kWh delivered to LP&L's delivery points by SPS and ERCOT systems. This reduction is an adjustment to account for line losses occurring between LP&L's point(s) of interconnection with the SPS and ERCOT systems and the delivery points of the Customer.



<b>TERMS OF PAYMENT:</b>	Payment due 30 days after bill date or as otherwise required by state law. If the 30 <sup>th</sup> day falls on a weekend or an official City of Lubbock recognized holiday, the due date will be extended until the next business day. A late charge of 1% or as authorized by state law, whichever is greater, may be added to all bills not paid by the due date.
<b>CHARACTER OF SERVICE:</b>	AC. 60 hertz. Single-phase or three-phase at LP&L's available secondary voltage.
<b>TERMS &amp; CONDITIONS:</b>	Service supplied under this rate is subject to the terms and conditions set forth in LP&L's General Terms and Conditions of the Tariff as approved by the City Council of the City of Lubbock and on file with the City Secretary of the City of Lubbock, as it may be amended from time to time. In the event a Customer entitled to Service under Rate 16U is a purchaser under a power purchase agreement ("PPA") with LP&L, in which the rates for Service to such Customer are provided therein, such rates payable by Customer shall be as provided in the PPA (in lieu of this Tariff), so long as such PPA shall remain valid and subsisting and enforceable against Customer. Further, in such instance, in the event of a conflict between this Tariff and the PPA, the terms of the PPA shall control. In events where a Customer purchases under a PPA and the PPA shall expire or terminate during the effective period of this Tariff, Customer shall revert to the applicable rate for each Meter as determined by usage characteristics.
<b>EFFECTIVE DATE:</b>	For all Meters read by LP&L on or after October 1, 2021



## LARGE MUNICIPAL SERVICE

### Rate 17

**APPLICABLE:**

To all municipal facilities supplied at secondary voltage for municipal purposes when all Service is supplied at one Point of Delivery and measured through one Meter, where Customer's Installation has adequate capacity and suitable voltage are adjacent to the Premises and whose load exceeds 10 kW of demand in any month. Meters on this rate with loads that drop to 10 kW of demand or below will be eligible to be reassigned to Rate 21 (Small Municipal and School Service) only after 12 consecutive months where loads have not exceeded 10 kW of demand.

Not applicable to temporary, breakdown, standby, supplementary, resale or shared Service, or to Service for which a specific Rate Schedule is provided.

**TERRITORY:**

LP&L Service Territory

**RATE:**

Service Availability Charge: \$49.67 per month per Meter

Energy Charge: \$0.00066 per kWh

Demand Charge: \$5.24014 per kW

**DEMAND:**

LP&L will furnish at its expense the necessary metering equipment to measure the Customer's kW demand for the 15 or 30-minute period (as applicable per LP&L's metering technology selected) of greatest use during the month. In the absence of a demand meter, Customer's demand will be billed using the monthly kilowatt-hours and an average load factor of 41.30 percent. In no month, shall the billing demand be greater than the kW value determined by dividing the kWh sales for the billing period by 25 hours.

**POWER COST  
RECOVERY FACTOR:**

The charge per kilowatt and kilowatt-hour of the above rate shall be increased by the applicable recovery factor per kilowatt and kilowatt hour as provided in the current LP&L "Power Cost Recovery Factor".

<b>FRANCHISE FEE EQUIVALENT:</b>	The charge of the above rate may be increased (i) by an amount no greater than the equivalent franchise fee established by the City Council of the City of Lubbock for any other electric utility; or (ii) by an amount equal to any franchise fee obligation applicable to LP&L as established by the City Council of the City of Lubbock.
<b>TAX:</b>	Billings under this schedule may be increased by an amount equal to the sum of the applicable federal, state and local taxes, fees, or charges levied, assessed and/or payable by LP&L for Services rendered, or on the right or privilege or rendering the Service, or on any object or event incidental to the rendition of the Service.
<b>POWER FACTOR:</b>	Applicable to Customers on this Rate Schedule with a peak demand of 200 kW or greater. At all times, Customer's Installation will maintain at LP&L's Point of Delivery, a power factor of not less than 85% lagging. Where Customer fails to maintain a power factor of at least 85% lagging at the point of delivery, Customer shall install suitable capacitors or other equipment necessary to raise the overall power factor at the point of delivery to a satisfactory value. Where such power factor correction equipment is used, Customer shall install a relay, switch or other regulating equipment for purposes of disconnecting or controlling the power factor correction equipment in order to prevent excessive voltage conditions on LP&L's system.
<b>TERMS OF PAYMENT:</b>	Payment due on receipt. A late charge of 5% may be added to all bills not paid within 21 days after bill date. If the 21 <sup>st</sup> day falls on a weekend or an official City of Lubbock recognized holiday, the late charge will not be applied until the next business day.
<b>CHARACTER OF SERVICE:</b>	AC. 60 hertz. Single-phase or three-phase, at one available standard voltage.
<b>TERMS &amp; CONDITIONS:</b>	Service supplied under this rate is subject to the terms and conditions set forth in LP&L's General Terms and Conditions of the Tariff as approved by the City Council of the City of Lubbock and on file with the City Secretary of the City of Lubbock.
<b>EFFECTIVE DATE:</b>	For all Meters read by LP&L on or after October 1, 2021



## STREET LIGHTING SERVICE

### Rate 18

<b>APPLICABLE:</b>	To municipal and State of Texas facilities for street lighting Service where facilities of adequate capacity and suitable voltage are adjacent to the Point of Service.		
<b>TERRITORY:</b>	LP&L Service Territory		
<b>RATE:</b>	Service Availability Charge:	\$0.00 per month per Meter	
	Energy Charge:	\$0.04781 per kWh	
<b>DETERMINATION OF ENERGY USE:</b>	Energy use will be determined by applying the total rated wattage of each fixture, including the ballast, to the number of hours of operation in each month. Street light burning time will be from one-half after sunset to one-half hour before sunrise using National Weather Service official sunrise & sunset times for Lubbock, Texas.		
<b>POWER COST RECOVERY FACTOR:</b>	The charge per kilowatt-hour of the above rate shall be increased by the applicable recovery factor per kilowatt hour as provided in the current LP&L "Power Cost Recovery Factor".		
<b>FRANCHISE FEE EQUIVALENT:</b>	The charge of the above rate may be increased (i) by an amount no greater than the equivalent franchise fee established by the City Council of the City of Lubbock for any other electric utility; or (ii) by an amount equal to any franchise fee obligation applicable to LP&L as established by the City Council of the City of Lubbock.		
<b>TAX:</b>	Billings under this schedule may be increased by an amount equal to the sum of the applicable federal, state and local taxes, fees, or charges levied, assessed and/or payable by LP&L for Services rendered, or on the right or privilege or rendering the Service, or on any object or event incidental to the rendition of the Service.		
<b>TERMS OF PAYMENT:</b>	Payment due on receipt. A late charge of 5% may be added to all bills not paid within 21 days after bill date. If the 21 <sup>st</sup> day falls on a weekend or an official City of Lubbock recognized holiday, the late charge will not be applied until the next business day.		
<b>CHARACTER OF SERVICE:</b>	AC. 60 hertz. Single-phase at available standard voltage at the Point of Delivery.		

<b>CONDITIONS OF SERVICE:</b>	Customer will install, own, operate and maintain the street lighting system.
<b>TERMS &amp; CONDITIONS:</b>	Service supplied under this rate is subject to the terms and conditions set forth in LP&L's General Terms and Conditions of the Tariff as approved by the City Council of the City of Lubbock and on file with the City Secretary of the City of Lubbock.
<b>EFFECTIVE DATE:</b>	October 1, 2021



## GENERAL RELIGIOUS SERVICE

### Rate 19

<b>APPLICABLE:</b>	To Service provided exclusively to the primary structure used for worship services of any church or religious association. This rate is not available for any other structure owned and operated by a church or religious association that is not primarily used for worship services. This rate is not applicable to temporary breakdown, standby, supplementary, or to Service for which a specific Rate Schedule is provided.		
<b>TERRITORY:</b>	LP&L Service Territory		
<b>RATE:</b>	Service Availability Charge:	\$16.77 per month per Meter	
	Energy Charge:	\$0.01847 per kWh	
<b>POWER COST RECOVERY FACTOR:</b>	The charge per kilowatt-hour of the above rate shall be increased by the applicable recovery factor per kilowatt hour as provided in the current LP&L “Power Cost Recovery Factor”.		
<b>FRANCHISE FEE EQUIVALENT:</b>	The charge of the above rate may be increased (i) by an amount no greater than the equivalent franchise fee established by the City Council of the City of Lubbock for any other electric utility; or (ii) by an amount equal to any franchise fee obligation applicable to LP&L as established by the City Council of the City of Lubbock.		
<b>TAX:</b>	Billings under this schedule may be increased by an amount equal to the sum of the applicable federal, state and local taxes, fees, or charges levied, assessed and/or payable by LP&L for Services rendered, or on the right or privilege or rendering the Service, or on any object or event incidental to the rendition of the Service.		
<b>TERMS OF PAYMENT:</b>	Payment due on receipt. A late charge of 5% may be added to all bills not paid within 21 days after bill date. If the 21 <sup>st</sup> day falls on a weekend or an official City of Lubbock recognized holiday, the late charge will not be applied until the next business day.		
<b>CHARACTER OF SERVICE:</b>	AC. 60 hertz. Single-phase or three-phase, at one available standard voltage.		

**TERMS &  
CONDITIONS:**

Service supplied under this rate is subject to the terms and conditions set forth in LP&L's General Terms and Conditions of the Tariff as approved by the City Council of the City of Lubbock and on file with the City Secretary of the City of Lubbock.

**EFFECTIVE DATE:**

For all Meters read by LP&L on or after October 1, 2021



## SMALL MUNICIPAL & SCHOOL SERVICE

### Rate 21

APPLICABLE:	To municipal facilities and public and private schools for Service supplied at secondary voltage for municipal and school purposes when all Service is supplied at one Point of Delivery and measured through one Meter, where Customer's Installation has adequate capacity and suitable voltage are adjacent to the Premises, and whose load does not exceed 10 kW of demand in any month. Single-phase motors not to exceed 10 horsepower, individual capacity, may be served under this rate. Meters in which the load exceeds 10 kW of demand in any month will be assigned to either Rate 15 (Large School Service) or Rate 17 (Large Municipal Service) as applicable and will not be eligible to be reassigned to Rate 21 until there have been 12 consecutive months where loads have not exceeded 10 kW of demand.		
TERRITORY:	LP&L Service Territory		
RATE:	Service Availability Charge:	\$12.98 per month per Meter	
	Energy Charge:	\$0.01639 per kWh	
POWER COST RECOVERY FACTOR:	The charge per kilowatt-hour of the above rate shall be increased by the applicable recovery factor per kilowatt hour as provided in the current LP&L "Power Cost Recovery Factor".		
FRANCHISE FEE EQUIVALENT:	The charge of the above rate may be increased (i) by an amount no greater than the equivalent franchise fee established by the City Council of the City of Lubbock for any other electric utility; or (ii) by an amount equal to any franchise fee obligation applicable to LP&L as established by the City Council of the City of Lubbock.		
TAX:	Billings under this schedule may be increased by an amount equal to the sum of the applicable federal, state and local taxes, fees, or charges levied, assessed and/or payable by LP&L for Services rendered, or on the right or privilege or rendering the Service, or on any object or event incidental to the rendition of the Service.		



<b>TERMS OF PAYMENT:</b>	Payment due on receipt. A late charge of 5% may be added to all bills not paid within 21 days after bill date. If the 21 <sup>st</sup> day falls on a weekend or an official City of Lubbock recognized holiday, the late charge will not be applied until the next business day.
<b>CHARACTER OF SERVICE:</b>	AC. 60 hertz. Single-phase or three-phase, at one available standard voltage.
<b>TERMS &amp; CONDITIONS:</b>	Service supplied under this rate is subject to the terms and conditions set forth in LP&L's General Terms and Conditions of the Tariff as approved by the City Council of the City of Lubbock and on file with the City Secretary of the City of Lubbock.
<b>EFFECTIVE DATE:</b>	For all Meters read by LP&L on or after October 1, 2021.



## OPTIONAL TIME-OF-USE SERVICE RIDER - EXPERIMENTAL

### Applicable to Rates 15, 16, 16P and 17

<b>APPLICABLE:</b>	Available to Customers whose Service is provided under rates 15, 16, 16P, and 17 and that can establish a lower demand between 1:00 p.m. and 7:00 p.m. weekdays during summer billing months. LP&L reserves the right to limit the availability or to discontinue this option, if in LP&L's judgment, system load or cost characteristics no longer warrant such option. This rider is not available to Customers who have installed Distributed Generation at and after Customer's side of the Point of Delivery.
<b>TERRITORY:</b>	LP&L Service Territory
<b>NON-SUMMER MONTHS:</b>	For the billing months of October through May, the demand charge and the demand component of the Power Cost Recovery Factor (PCRF-D) shall be based on Customer's kW demand for the 15 or 30-minute period (as applicable per LP&L's metering technology selected) of greatest use during the month.
<b>SUMMER MONTHS:</b>	For the billing months of June through September, the demand charge shall be based on Customer's kW demand for the 15 or 30-minute period (as applicable per LP&L's metering technology selected) of greatest use during the month. The demand component of the Power Cost Recovery Factor (PCRF-D) shall be based on Customer's kW demand for the 15 or 30-minute period (as applicable per LP&L's metering technology selected) of greatest use during the on-peak demand period for the month.
<b>DEMAND:</b>	LP&L will furnish at its expense the necessary metering equipment to measure the Customer's kW demand for the 15 or 30-minute period (as applicable per LP&L's metering technology selected) of greatest use during the month. There will be no demand cap for Customers electing this rider.

**ON-PEAK / OFF-PEAK  
DEMAND HOURS**

LP&L shall consider the on-peak/off-peak billing periods as follows:

Summer Months: On-Peak – Monday through Friday, 1:00 p.m. to 7:00 p.m., excluding official City of Lubbock recognized holidays  
Off-Peak – All other hours.

Non-Summer Months: On-Peak – All hours.

**EFFECTIVE DATE:**

For all Meters read by LP&L on or after October 1, 2021.



## GUARD LIGHT SERVICE

**No new lights will be installed by LP&L. As a result, this rate is closed to new Customers.**

**APPLICABLE:** For night outdoor guard lighting service where facilities of adequate capacity and suitable voltage are adjacent to the Point of Delivery. **This rate is closed to new Customers and no new lights will be installed for existing Customers.**

Mercury vapor lamps are no longer being manufactured or imported. Once the inventory of mercury vapor lamps is depleted, Customers will be given the option of having the guard light removed or replaced with another type of light which may have a different rate.

**TERRITORY:** LP&L Service Territory

**RATE:** Each 150 Watt 15,000 lumen (nominal – actual rating may vary) high-pressure sodium fixture installed on an overhead bracket on a wood pole: \$15.15 per month

Each 100 Watt 9,500 lumen (nominal – actual rating may vary) high-pressure sodium fixture installed on an overhead bracket on a wood pole: \$10.29 per month

Each 150 Watt 7,000 lumen (nominal – actual rating may vary) mercury vapor fixture installed on an overhead bracket on a wood pole: \$15.59 per month

Additional secondary line: For each additional 150 foot span of secondary line required beyond the first 150 feet: \$3.30 per month.

**DETERMINATION OF ENERGY USE:** 15,000 lumen HPS fixture uses 56 kWh per month.  
9,500 lumen HPS fixture uses 38 kWh per month.  
7,000 lumen MV fixture uses 67 kWh per month.

**POWER COST RECOVERY FACTOR:** The charge per kilowatt-hour of the above rate shall be increased by the applicable recovery factor per kilowatt hour as provided in the current LP&L “Power Cost Recovery Factor”.

<b>FRANCHISE FEE EQUIVALENT:</b>	The charge of the above rate may be increased (i) by an amount no greater than the equivalent franchise fee established by the City Council of the City of Lubbock for any other electric utility; or (ii) by an amount equal to any franchise fee obligation applicable to LP&L as established by the City Council of the City of Lubbock.
<b>TAX:</b>	Billings under this schedule may be increased by an amount equal to the sum of the applicable federal, state and local taxes, fees, or charges levied, assessed and/or payable by LP&L for Services rendered, or on the right or privilege or rendering the Service, or on any object or event incidental to the rendition of the Service.
<b>TERMS OF PAYMENT:</b>	Payment due on receipt. A late charge of 5% may be added to all bills not paid within 21 days after bill date. If the 21 <sup>st</sup> day falls on a weekend or an official City of Lubbock recognized holiday, the late charge will not be applied until the next business day.
<b>CHARACTER OF SERVICE:</b>	AC. 60 hertz. Single-phase at available standard voltage at the Point of Delivery.
<b>CONDITIONS OF SERVICE:</b>	LP&L will own, operate, and maintain on the Premises the existing lights. Lights are photo-electrically controlled and mounted on a metal bracket on LP&L's service poles, a separate 30 foot wood pole, or on any suitable mounting device belonging to Customer.
<b>TERMS &amp; CONDITIONS:</b>	Service supplied under this rate is subject to the terms and conditions set forth in LP&L's General Terms and Conditions of the Tariff as approved by the City Council of the City of Lubbock and on file with the City Secretary of the City of Lubbock.
<b>EFFECTIVE DATE:</b>	October 1, 2021



## FLOOD LIGHT SERVICE

**No new lights will be installed by LP&L. As a result, this rate is closed to new Customers.**

**APPLICABLE:** For night outdoor flood light service where Customer's Installation has adequate capacity and suitable voltage are adjacent to the Premises. **This rate is closed to new Customers and no new lights will be installed for existing Customers.**

**TERRITORY:** LP&L Service Territory

**RATE:** The charge per month shall be the sum of Rate sections A+B+C+D:

**RATE A:** Charge per light for the first light on each 30 foot wood pole with  
**First Light Charge** overhead Service:

<u>Lamp Wattage</u>	<u>Metal Halide</u>	<u>High Pressure Sodium</u>
150	N/A	\$22.35
175	\$22.48	N/A
250	\$24.11	\$24.21
400	\$25.08	\$25.62
1,000	\$38.38	\$38.82

**RATE B:** Additional charge per month for each additional light per pole:

**Additional Light Charge**

<u>Lamp Wattage</u>	<u>Metal Halide</u>	<u>High Pressure Sodium</u>
150	N/A	\$8.65
175	\$8.77	N/A
250	\$10.01	\$10.11
400	\$10.84	\$11.31
1,000	\$22.65	\$23.02

**RATE C:  
Additional Pole Charge**

Additional charge per month per pole:

	Overhead	Underground	Overhead	Underground
Pole	Wood	Wood	Steel	Steel
<u>Height</u>	<u>Pole</u>	<u>Pole</u>	<u>Pole</u>	<u>Pole</u>
30'	\$0.00	\$3.75	\$6.27	\$10.05
35'	\$1.86	\$5.61	\$8.13	\$11.90
40'	\$3.95	\$7.74	\$10.24	\$14.02
45'	\$5.60	\$9.39	\$11.89	\$15.67
50'	\$7.40	\$11.19	N/A	N/A

**RATE D:  
Additional Service Span  
Charge**

For each additional 150 foot span of secondary line required beyond the first 150 feet: \$2.95 per month.

**DETERMINATION OF  
ENERGY USE:**

Lamp	Metal Halide		High Pressure Sodium	
<u>Wattage</u>	<u>Lumen</u>	<u>kWh</u>	<u>Lumen</u>	<u>kWh</u>
150	N/A	N/A	16,000	56
175	14,000	62	N/A	N/A
250	20,500	97	27,500	97
400	36,000	136	50,000	159
1,000	110,000	359	140,000	350

**POWER COST  
RECOVERY FACTOR:**

The charge per kilowatt-hour of the above rate shall be increased by the applicable recovery factor per kilowatt hour as provided in the current LP&amp;L "Power Cost Recovery Factor".

**FRANCHISE FEE  
EQUIVALENT:**

The charge of the above rate may be increased (i) by an amount no greater than the equivalent franchise fee established by the City Council of the City of Lubbock for any other electric utility; or (ii) by an amount equal to any franchise fee obligation applicable to LP&amp;L as established by the City Council of the City of Lubbock.

**TAX:**

Billings under this schedule may be increased by an amount equal to the sum of the applicable federal, state and local taxes, fees, or charges levied, assessed and/or payable by LP&amp;L for Services, or on the right or privilege or rendering the Service, or on any object or event incidental to the rendition of the Service.

**TERMS OF PAYMENT:**Payment due on receipt. A late charge of 5% may be added to all bills not paid within 21 days after bill date. If the 21<sup>st</sup> day falls on a weekend or an official City of Lubbock recognized holiday, the late charge will not be applied until the next business day.

<b>CHARACTER OF SERVICE:</b>	AC. 60 hertz. Single-phase. 120 or 240 volts.
<b>CONDITIONS OF SERVICE:</b>	LP&L will own, operate, and maintain on the Premises the existing overhead flood lights. Lights are photo-electrically controlled and mounted on LP&L poles
<b>TERMS &amp; CONDITIONS:</b>	Service supplied under this rate is subject to the terms and conditions set forth in LP&L's General Terms and Conditions of the Tariff as approved by the City Council of the City of Lubbock and on file with the City Secretary of the City of Lubbock.
<b>EFFECTIVE DATE:</b>	October 1, 2021





## UTILITY COST RECOVERY FEES FOR NEW CONSTRUCTION

<b>APPLICABLE:</b>	The Service charges listed below are applicable to all Customers served by LP&L within new developments requiring underground line extensions through easements or public rights of way, and are in addition to any other charges made under LP&L's Tariff and Rate Schedules.
<b>TERRITORY:</b>	LP&L Service Territory
<b>RATE: (PER LINEAR FOOT)</b>	<b>Commercial: \$16.08</b> <b>Residential Subdivisions Full w/ Alleys: \$21.60</b> <b>Residential Subdivisions Half w/Alleys: \$16.20</b> <b>Residential Subdivisions Full No Alleys: \$21.60</b> <b>Residential Subdivisions Half No Alleys: \$16.20</b>
<b>TAX:</b>	Billings under this schedule may be increased by an amount equal to the sum of the applicable federal, state and local taxes, fees, or charges levied, assessed and/or payable by LP&L for Services, or on the right or privilege of rendering the Service, or on any object or event incidental to the rendition of the Service.
<b>TERMS OF PAYMENT:</b>	Payment due on receipt. A late charge of 5% may be added to all bills not paid within 21 days after bill date. If the 21 <sup>st</sup> day falls on a weekend or an official City of Lubbock recognized holiday, the late charge will not be applied until the next business day.
<b>CHARACTER OF SERVICE:</b>	New development, redevelopment or expansion projects requiring LP&L underground line extensions.
<b>CONDITIONS OF SERVICE:</b>	Commercial developments greater than one acre require the developer's contractor to supply ditch, backfill and transformer pad on property to LP&L specifications. Commercial developments of one acre or less must meet LP&L in public right of way or dedicated easement for service connection. For residential subdivisions, "Full" refers to serving lots on both sides of alley or street. "Half" refers to serving lots on one side of alley or street. Refer to City of Lubbock Code of Ordinances, Section 38.09.005 for the fees associated with street light installations for residential subdivisions within city limits. Any required

easements for LP&L to deliver Service on the Premises shall be the developer's responsibility. LP&L is under no obligation to energize Facilities serving the development and/or Premises until such time as the developer has paid all applicable fees, provided necessary easements, and has met LP&L construction specifications.

**TERMS & CONDITIONS:** Service supplied under this rate is subject to the terms and conditions set forth in LP&L's General Terms and Conditions of the Tariff as approved by the City Council of the City of Lubbock and on file with the City Secretary of the City of Lubbock.

**EFFECTIVE DATE:** October 1, 2021

## MISCELLANEOUS SERVICE CHARGES

<b>APPLICABLE:</b>	The Service charges listed below are applicable to all Customers served by LP&L and are in addition to any other charges made under LP&L's Tariff.
<b>TERRITORY:</b>	LP&L Service Territory
<b>RETURNED ITEM CHARGE:</b>	<p>\$30.00</p> <p>This charge is made when Customer's method of payment has been dishonored and returned to LP&amp;L.</p>
<b>DISCONNECT/RECONNECT FEE:</b>	<p>\$27.50 when disconnected or reconnected during business hours</p> <p>\$43.50 when disconnected or reconnected after business hours</p> <p>\$57.50 when disconnected or reconnected at the pole during business hours</p> <p>\$75.00 when disconnected or reconnected at the pole after business hours</p> <p>This charge is made when Customer is disconnected because of a delinquent account or requests reconnection of Service after having been disconnected because of a delinquent account.</p>
<b>TAMPERED SERVICE CHARGE:</b>	<p>\$200.00 each occurrence plus expense for damages plus recovery of lost sales that are based on historical data or average use for similarly situated Customers.</p> <p>This charge is applied to any Customer who has tampered with the Meter installed on the Premises, or by any manner or means has prevented the total energy from being registered by the Meter installed for such purposes.</p>

**METER TESTING  
CHARGE:**

Upon the request of a Customer, LP&L will test the accuracy of the Customer's Meter at no charge to the Customer. The test shall be made during LP&L's normal working hours and shall be scheduled to accommodate the Customer or the Customer's authorized representative, if the Customer desires to observe the test. The test should be made on the Premises, but may, at LP&L's discretion, be made at LP&L's test laboratory. If the Meter has been tested by LP&L at the Customer's request, and within a period of four years the Customer requests a new test, LP&L shall conduct the test. However, if the subsequent test finds the Meter to be within ANSI's accuracy standards, LP&L may charge the Customer a \$50.00 fee, which represents the cost of testing.

Following the completion of any requested test, LP&L shall promptly advise the Customer of the date of removal of the Meter, the date of the test, the result of the test, and who made the test.

**MISCELLANEOUS  
CHARGES:**

At cost. This charge may be made for miscellaneous and non-routine services performed at the request of Customer but not covered specifically by any Rate or fee. The charges will be the reasonable costs incurred for performing such services including but not limited to labor, materials, transportation, miscellaneous expenses and all applicable overheads for the Service provided. This charge also includes any obstruction removal in accordance with Article III, Section 8 of the General Terms and Conditions, which would be the reasonable costs incurred for performing the necessary removal of obstructions.

**PULSE METERING  
EQUIPMENT  
INSTALLATION AND  
REPLACEMENT  
CHARGE:**

At cost. These charges may be made when Customer requests access to pulses from the revenue meter. The charges will be the reasonable costs incurred for providing such Service including but not limited to labor, materials, transportation, miscellaneous expenses and all applicable overheads for the Service provided.

**TAX:**

Billings under this schedule may be increased by an amount equal to the sum of the applicable federal, state and local taxes, fees, or charges levied, assessed and/or payable by LP&L for Services rendered, or on the right or privilege or rendering the Service, or on any object or event incidental to the rendition of the Service.

**ALTERNATIVE  
METER CHARGE:**

Residential Customers who choose Non-Standard Meters are required to pay the incremental costs to provide the non-standard Service, which include costs to manually read Meters and perform other Services through non-standard processes that would otherwise not be required. Installation cost at Premises - to change-out a standard Meter for a Non-Standard Meter - shall be \$127.84 and shall be paid prior to installation plus a monthly charge of \$24.56 charged on the monthly invoice.

**EFFECTIVE DATE:**

October 1, 2021



### **POWER COST RECOVERY FACTOR:**

The Power Cost Recovery Factor (PCRf), provides for the recovery of all power costs incurred by LP&L in serving system demand and energy requirements. The PCRf shall be reviewed and may be adjusted by the Director of Electric Utilities at a minimum of two times per year, once during the non-summer season of October through May and once during the summer season of June through September. The PCRf will have a demand (PCRf-D) and energy (PCRf-E) component or rate. The PCRf rates shall be established with the intention of matching PCRf revenues with actual power costs over the course of a fiscal year, giving consideration to seasonal fluctuations in load and in power prices. The PCRf may be adjusted more frequently if any over or under recovery exceeds the maximum variance as defined below.

For a particular customer class, the PCRf-E shall be adjusted by the following voltage level factors:

Primary Voltage: 1.0409

Secondary Voltage: 1.06340

On a monthly basis, LP&L shall track actual revenues collected from the PCRf and compare these revenues to actual total power costs incurred. The cumulative balance representing the difference between total PCRf revenues collected less total power costs incurred over the period shall be reported to the LP&L Electric Utility Board on a monthly basis.

A PCRf balancing account will be established with a cap equal to five percent of total annual budgeted or forecasted power costs to manage the monthly over/under collection of, or differences in, the monthly PCRf revenues and monthly power costs. If at any time, the reported cumulative balance of the difference between total PCRf revenues collected and power costs is greater than the PCRf balancing account cap, an adjustment may be made to the PCRf rates with the intention of refunding the over recovery amount. In addition, if at any time the reported cumulative balance of the difference between total PCRf revenues collected and power costs is approaching or less than zero, an adjustment may be made to the PCRf rates with the intention of replenishing the PCRf stabilization fund.

All mid-season adjustments to the PCRf shall be approved by the Electric Utility Board.

# List of Terms and Acronyms

AMI	Advanced Metering Infrastructure
Billing System	Includes AMI, CIS, MDMS and MWFM systems
CCN	Certificate of Convenience and Necessity
CIS	Customer Information System
City of Lubbock Utilities	Customer Service Department that works on behalf of the LP&L, Solid Waste, Storm Water, and Water/Wastewater Utilities
COS	Cost of Service Study
CPR	Cardiopulmonary Resuscitation
EOC	Emergency Operations Center
EPS	ERCOT-Polled Settlement
ERCOT	Electric Reliability Council of Texas
FERC	Federal Energy Regulatory Commission
FF&E	Furniture Fixtures and Equipment
FFE	Franchise Fee Equivalent
FTE	Full Time Equivalent
FY	Fiscal Year
GIS	Geographic Information Systems
GT	Gas Turbine
IM	Integrated Marketplace (Southwest Power Pool)
IVR	Interactive Voice Response
kV	Kilovolt
kW	Kilowatt
kWh	Kilowatt-Hour
LED	Light-emitting diode
LMP	Locational Marginal Price
LP&L	Lubbock Power & Light
MDMS	Meter Data Management System
MVA	Mega Volt Ampere
MW	Megawatt
MWFM	Mobile Work Force Management
NERC	North American Electric Reliability Corporation
NOIE	Non Opt-In Entity
Note Program	Direct Purchase Revolving Note Program
OMS	Outage Management System
Opt-In	Opt-In to the ERCOT Competitive Retail Electric Market
Other City Utilities	Solid Waste, Storm Water and Water/Wastewater Utilities
PCRF	Power Cost Recovery Factor
PILOT	Payment in Lieu of Taxes
POLR	Provider of Last Resort
PPRF	Purchased Power Recovery Factor
PUC	Public Utility Commission
REP	Retail Electric Provider
RTO	Regional Transmission Organization
SCADA	Supervisory Control and Data Acquisition
SPP	Southwest Power Pool
SPS	Southwestern Public Service Company
T&D	Transmission and Distribution
TCOS	Transmission Cost of Service
TTU	Texas Tech University







**Lubbock Power & Light**  
*The power is yours.*

