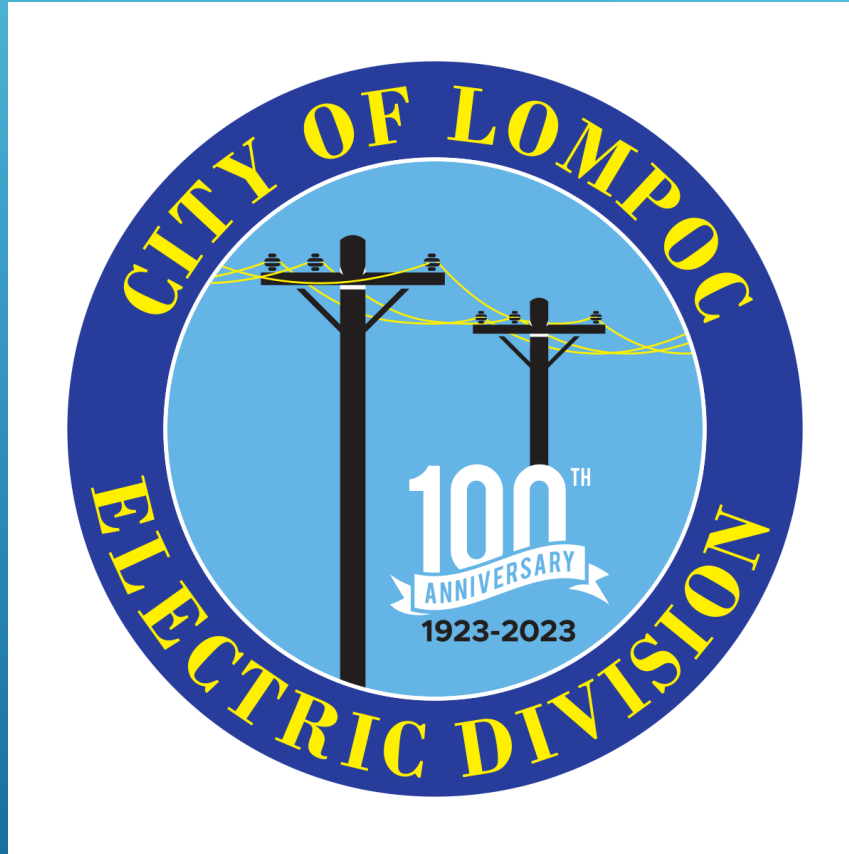


ELECTRIC DIVISION – CAPITAL IMPROVEMENT PROJECTS



FY23/24 & FY24/25



- NEW RESIDENTIAL/COMMERCIAL DEVELOPMENT
- CITYWIDE REPLACEMENT OF DAMAGED TRANSFORMERS AND SWITCHES
- 4KV TO 12KV CONVERSION OF UNDERGROUND AND OVERHEAD LINES
- NORTH F STREET UNDERGROUNDING PROJECT
- 15KV CABLE REPLACEMENT – 7TH TO RIVERSIDE DR. – PINE AVE. TO LAUREL AVE.
- 4KV SUBSTATION TRANSFORMER DECOMMISSIONING
- 12KV VACUUM CIRCUIT BREAKER REPLACEMENT – RECEIVING STATION
- AMI ELECTRIC METER DEPLOYMENT
- V STREET STORAGE YARD IMPROVEMENTS
- CIVIC CENTER PLAZA PARKING LOT LIGHTING AND STANDARDS
- H STREET AND OCEAN AVE. DECORATIVE LIGHTING AND STANDARDS



NEW RESIDENTIAL/COMMERCIAL DEVELOPMENT

PRIORITY #1

- SUPPORT NEW RESIDENTIAL AND COMMERCIAL DEVELOPMENT THROUGH INSTALLATION OF NEW ELECTRICAL INFRASTRUCTURE TO SUPPORT CUSTOMER NEEDS
- 100% DEVELOPER FUNDED
- \$300,000 ESTIMATED COST EACH FISCAL YEAR 23/24 & 24/25





CITYWIDE REPLACEMENT OF DAMAGED TRANSFORMERS AND SWITCHES

PRIORITY #2

- REPLACE RUSTED/LEAKING/DAMAGED OVERHEAD AND PAD-MOUNT TRANSFORMERS AND SWITCHES. (APPROX. 4 OVERHEAD, 4 UNDERGROUND, AND 1 SWITCH ARE REPLACED EACH YEAR)
- INCREASED PRICING COMPARED TO PREVIOUS YEARS DUE TO SUPPLY CHAIN ISSUES AND SURGING DEMAND
- \$175,000 ESTIMATED COST EACH FISCAL YEAR 23/24 & 24/25



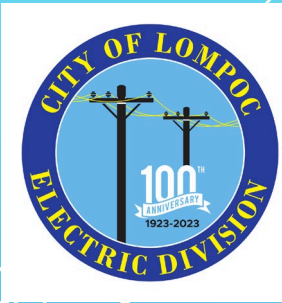


4KV TO 12KV CONVERSION OF OVERHEAD AND UNDERGROUND POWERLINES

PRIORITY #3

- UPGRADE EXISTING 4KV (4,160 VOLT) HIGH VOLTAGE CIRCUITS TO 12KV (12,000 VOLT)
- VOLTAGE CONVERSION ALLOWS FOR LESS LINE LOSSES, INCREASED CAPACITY, AND ALLOWS FOR REDUCING INVENTORY REQUIREMENTS FOR OBSOLETE EQUIPMENT
- 2 PROJECT AREAS REMAIN IN NORTHEAST PORTION OF CITY
- \$400,000 ESTIMATED COSTS EACH FISCAL YEAR 23/24 & 24/25





CONVERTING NORTH F STREET OVERHEAD POWERLINES TO UNDERGROUND

PRIORITY #4

- INSTALL ELECTRIC VAULTS, CONDUITS, AND 600 AMP CABLE SYSTEM ALONG NORTH F STREET FROM EAST LAUREL AVE. TO EAST COLLEGE AVE/EAST PRUNE AVE. ALLEY
- 3 NEW CIRCUIT TIES – INCREASING RELIABILITY AND SWITCHING CAPABILITY BETWEEN 12KV CIRCUITS #101, #202, AND #301
- APPROXIMATE AVOIDED COSTS OF \$160,000 BY RELINQUISHING JOINT POLE OWNERSHIP TO PG&E PRIOR TO POLE REPLACEMENTS
- \$275,664 ESTIMATED COST FISCAL YEAR 23/24





15KV CABLE REPLACEMENT 7TH - RIVERSIDE DR. / PINE - LAUREL AVE.

PRIORITY #5

- REPLACE ALL 15KV HIGH VOLTAGE CABLE AND COMPONENTS SERVICING THE 400 BLOCK OF NORTH EIGHTH STREET COMMERCIAL AREA AND THE RESIDENTIAL HOMES BETWEEN NORTH SEVENTH STREET TO RIVERSIDE DRIVE AND EAST PINE AVE TO EAST LAUREL AVE
- EXISTING CABLE SYSTEM APPROACHING END OF EXPECTED SERVICE LIFE
- \$170,242 ESTIMATED COST FISCAL YEAR 24/25





DECOMMISSIONING OF 4KV SUBSTATION TRANSFORMERS

PRIORITY #6

- TWO 4KV SUBSTATION TRANSFORMERS REMAIN IN SERVICE CURRENTLY
- 4KV TO 12KV CONVERSION WILL RENDER TRANSFORMERS OBSOLETE
- REMOVAL AND DISPOSAL/SALVAGE PERFORMED BY THIRD PARTY
- \$60,000 ESTIMATED COST FISCAL YEAR 24/25





12KV VACUUM BREAKER REPLACEMENT – RECEIVING STATION

PRIORITY #7

- NINE 12KV VACUUM BREAKERS CURRENTLY IN SERVICE
- SIX IN SERVICE APPROX. 40 YEARS
- THREE IN SERVICE APPROX. 30 YEARS
- LIMITED AVAILABILITY OF PARTS
- REPLACEMENT PROVIDES SYSTEM RELIABILITY AND INCREASED SAFETY
- \$150,000 ESTIMATED COST FISCAL YEAR 24/25





AMI METERING PILOT PROJECT (ADVANCED METERING INFRASTRUCTURE)

PRIORITY #8

- OVERLAY AMI METERS AND COLLECTORS ONTO EXISTING AMR SYSTEM (AUTOMATED METER READING)
- TWO-WAY COMMUNICATION WITH METER
- REMOTE DISCONNECT CAPABILITY
- PATHWAY TO SMART GRID TECHNOLOGY
- POTENTIAL FOR T.O.U. RATES (TIME OF USE)
- \$375,000 ESTIMATED COST EACH FISCAL YEAR 23/24 & 24/25



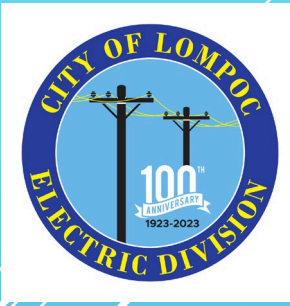


V STREET STORAGE YARD IMPROVEMENTS

PRIORITY #9

- REMOVE CONCRETE PAD FROM OLD SUBSTATION SITE AND REPLACE WITH ASPHALT FOR INCREASED STORAGE AREA
- INSTALL CHAIN LINK FENCE ON WEST SIDE BETWEEN STORAGE YARD AND HOUSING DEVELOPMENT
- UPGRADE ALARM SYSTEM TO MINIMIZE THEFT
- INSTALL ELEVATED CONCRETE RAILS FOR UTILITY POLE STORAGE
- FUNDABLE THROUGH SALE OF RECYCLABLES
- \$200,000 ESTIMATED COST FISCAL YEAR 23/24





CIVIC CENTER PLAZA PARKING LOT LIGHTING AND STANDARDS

PRIORITY #10

- REPLACE 21 EXISTING PARKING LOT AND AREA LIGHT STANDARDS WITH EXTRUDED ALUMINUM DECORATIVE STANDARDS WITH LED LIGHT FIXTURES
- EXISTING FOUNDATION BOLTS CORRODED AND IN NEED OF REPLACEMENT
- \$138,029 ESTIMATED COST FISCAL YEAR 23/24





H STREET AND OCEAN AVENUE DECORATIVE LIGHTING AND STANDARDS

PRIORITY #11

- REPLACE EXISTING GALVANIZED STREETLIGHT STANDARDS ALONG H STREET AND OCEAN AVENUE WITH DECORATIVE/ORNAMENTAL STANDARDS FEATURING A SEPARATE LUMINAIRE FOR SIDEWALK ILLUMINATION
- BEAUTIFICATION OF MAIN THOROUGHFARES
- \$2,127,597 ESTIMATED COST FISCAL YEAR 23/24

