

# Fiscal Year 2021 Business and Capital Plans

LCRA Transmission Services Corporation

LCRA Board Work Session, DRAFT

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The LCRATSC Board is appointed by the Lower Colorado River Authority Board and serves at the LCRA Board's will. The current membership of the LCRATSC Board is made up entirely of the existing LCRA Board. The LCRATSC directors meet regularly to set strategic corporate direction for the president and CEO, to approve projects and large expenditures, and to review progress on major activities and industry issues.

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LCRA Board Work Session, DRAFT

# **Table of Contents**

Introduction	4
Billing Units	5
Capital and Rate Plans	6
Financial Summary	7
Capital Plan	8
Appendix	19

These business and capital plans present a long-term vision and summary of operational plans for LCRA Transmission Services Corporation. The business and capital plans should not be used as a basis for making a financial decision with regard to LCRA TSC or any of its securities or other obligations. These business and capital plans are intended to satisfy the official intent requirements set forth in IRS Treasury Regulations Section 1.150-2. For more complete information on LCRA TSC and its obligations, refer to LCRA TSC's annual financial report, the official statements relating to LCRA TSC's bonds, and the annual and material event disclosures filed by LCRA TSC with nationally recognized municipal securities information repositories and the State Information Depository pursuant to Rule 15c2-12 of the U.S. Securities and Exchange Commission. The information in this report and within each of the documents referenced applies only as of the report's date. The business and capital plans include forecasts based on current assumptions used for planning purposes only and are subject to change. Copies of the documents referenced in this report may be obtained from Stephen Kellicker, senior vice president of Finance, LCRA, 3700 Lake Austin Blvd., Austin, TX 78703.

# Introduction

LCRA Transmission Services Corporation is a nonprofit corporation that serves electric service needs across Texas with a robust network of transmission lines and substations. LCRA TSC has no employees, but contracts with LCRA to provide the services and products necessary for LCRA TSC to achieve its goals and initiatives.

Since LCRA TSC was created in 2002, the organization's revenues primarily have been reinvested in the transmission system, under the oversight of the Public Utility Commission of Texas.

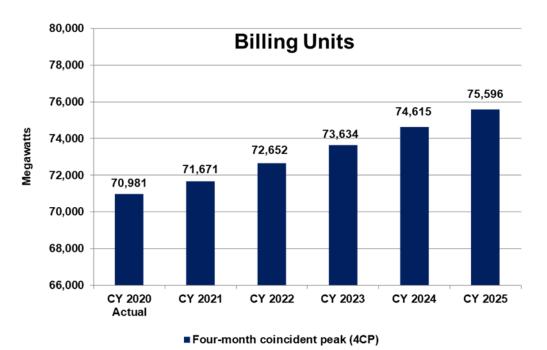
LCRA TSC funds capital improvements to its transmission system with revenues collected above those required to cover:

- Operating costs (including sales and property taxes).
- Debt service.
- · Funding of reserves.
- LCRA TSC's portion of LCRA's Enterprise Support capital costs.
- LCRA TSC's portion of LCRA's corporate expenses.
- Contributions to the Public Service Fund and the Resource Development Fund.

# **Billing Units**

LCRA TSC's billing unit is the four-month coincident peak in the Electric Reliability Council of Texas market.

- 4CP is the average of the peak ERCOT electrical demands (measured in kilowatts) during the months of June, July, August and September of the previous calendar year.
- The PUC approves the average of these four ERCOT system peaks each year to establish a 4CP for the following calendar year.
- 4CP is forecast to grow about 1.3% per year across ERCOT.



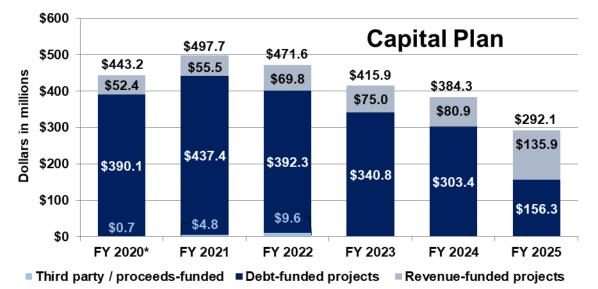
Note: One megawatt equals 1,000 kilowatts.

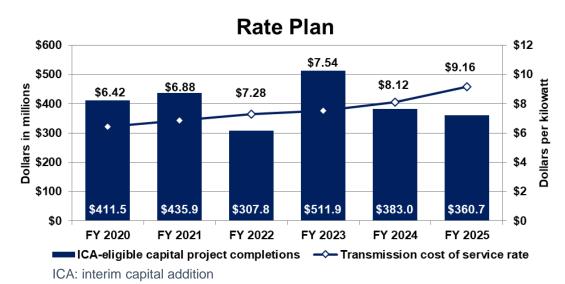
# **Capital and Rate Plans**

We're growing the transmission system to meet customer needs:

- LCRA TSC plans to spend about \$2.1 billion on capital projects over the five-year planning period to support the needs of the ERCOT and LCRA TSC systems.
- LCRA TSC plans to recover its investment in capital costs for projects that are completed and energized through interim filings in fiscal year 2021 through FY 2025. Additionally, LCRA TSC plans to file a transmission cost of service rate case using an FY 2023 test year with new rates going into effect in FY 2025.
- LCRA TSC will continue to recover costs associated with additional projects beyond FY 2025 after they are completed and energized.

\*Note: The LCRA Board of Directors in January 2020 approved the amended capital spending limit for LCRA TSC for FY 2020.





# **Financial Summary**

<ul> <li>LCRA continues</li> </ul>	(Dollars in millions)	Budgeted	Proposed	Forecast					
to expand the			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Transmission organization,	Revenues Operations and Maintenance	\$	457.5 117.9	494.0 131.2	534.3 138.0	562.8 141.3	607.5 148.5	709.3 149.5	
*	Net Operating Margin		339.5	362.8	396.3	421.4	459.0	559.8	
adding staff and equipment needed to increase its current capacity to operate and	equipment needed to increase its current capacity to operate and construct facilities for LCRA TSC		5.6 51.1 13.7 9.1 271.2	4.1 53.9 14.8 9.9 288.3	4.2 56.2 16.0 10.7 317.5	5.0 60.8 16.9 11.3 337.5	5.4 64.9 18.2 12.2 369.2	4.4 74.2 21.3 14.2 454.6	
	Debt Service	\$	199.1	210.6	235.7	249.0	276.9	307.7	
for LCRA TSC and provide customer	-		1.36x	1.37x	1.35x	1.36x	1.33x	1.48x	
services.	Net Margin After Debt Service	\$	72.1	77.7	81.9	88.5	92.3	146.9	
Services.	Less:								
LCRA TSC plans	Operating Reserves		5.7	7.9	6.0	7.6	8.8	8.6	
to manage costs	Assigned Enterprise Capital		12.2	17.3	13.6	16.1	14.4	15.6	
to maintain its	Assigned Transmission Minor Capital Revenue-Funded Capital		0.0 52.4	7.3 55.6	3.9 70.1	3.9 75.2	3.9 80.9	3.9 135.9	
	Transfer to LCRA <sup>1</sup>		52.4 6.7	1.1	1.1	0.0	0.0	0.0	
debt service	Plus:		0.7	1.1	1.1	0.0	0.0	0.0	
coverage ratios	Amortization of Enterprise/Minor Capital <sup>2</sup>		4.9	11.4	12.8	14.3	15.8	17.2	
between 1.33x	Net Cash Flow	\$	0.0	0.0	0.0	0.0	0.0	0.0	
and 1.48x.									

<sup>1</sup> An initial transfer from LCRA TSC to LCRA was authorized by the LCRA and LCRA TSC boards of directors in April 2014. Under the initial contractual commitment, the LCRA and LCRA TSC boards must make an annual determination to authorize each year's transfer. Such annual transfers are payable only if all other financial commitments have been met as required by LCRA TSC's financial policies.

<sup>2</sup> In FY 2012, LCRA TSC began funding minor capital and its share of enterprise capital with current year revenues. It will include an amortization of the amount in each year to recover in rates.

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# **Capital Plan**

- Board approval of this plan authorizes the proposed \$497.7 million budget for FY 2021 capital spending, which includes \$367.5 million for projects the Board approved previously and \$130.2 million of potential future projects.
- Staff will bring future projects individually to the Board for approval after scope and cost estimates have been further refined, and staff includes future projects in this document for financial planning purposes.

### FY 2021 Capital Spending for Approved and Future Projects LCRA Transmission Services Corporation

(Dollars in millions)

	Budgeted	Proposed			Forecast		
	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Five-Year Total
Approved Projects	\$	367.5	109.4	14.4	0.1	0.0	491.5
Future Projects Total FY 2021 Capital Plan	Ī	130.2 497.7	362.2 471.6	401.5 415.9	384.2 384.3	292.1 292.1	1,570.1 2,061.6
Comparison With Previous Plan Total FY 2020 Capital Plan	\$ 341.9	369.1	320.5	196.7	153.3		1,381.5
Difference*	n/a	128.6	151.1	219.1	231.0	n/a	680.1

\*Difference for five-year total is based on a rolling five-year comparison, i.e., FY 2021-FY 2025 spending from the current plan compared with FY 2020-FY 2024 from the plan the Board approved in May 2019 (not compared with the amended FY 2020 spending limit the Board approved in January 2020 for LCRA TSC).

LCRA TSC's FY 2021 capital budget for approved and future projects is \$497.7 million. Of that amount, about 12% will be revenue-funded or third party or proceeds-funded.

LCRA TSC's five-year total expected capital spending is about \$2.1 billion. Of that amount, about 21% is projected to be revenue-funded or third party or proceeds-funded.

### FY 2021-FY 2025 Capital Spending for Approved and Future Projects LCRA Transmission Services Corporation

(Dollars in millions)		Budgeted	Proposed	Forecast					
	_	FY 2020*	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025		
Capital Expenditures	-								
Debt-Funded	\$	390.1	437.4	392.3	340.8	303.4	156.3		
Revenue-Funded		52.4	55.5	69.8	75.0	80.9	135.9		
Third Party or Proceeds-Funded		0.7	4.8	9.6	0.0	0.0	0.0		
	\$	443.2	497.7	471.6	415.9	384.3	292.1		

\* The LCRA Board of Directors in January 2020 approved the amended capital spending limit for LCRA TSC for FY 2020.

### **Capital Planning Approach**

LCRA TSC's capital planning approach conforms to the corporation's Board Policy T601 – Wholesale Electric Service Policy, which requires LCRA TSC to provide nondiscriminatory wholesale electric service and open access in accordance with PUC rules, applicable tariffs, ERCOT requirements, North American Electric Reliability Corporation reliability standards and other LCRA TSC requirements.

LCRA TSC develops its capital plan to meet the following industry requirements:

- Compliance with ERCOT market rules and applicable NERC reliability standards for adequate and reliable transmission service.
- Compliance with PUC rules to provide transmission service to eligible transmission customers (e.g., other electric utilities, power marketers, exempt wholesale generators' qualifying facilities) on the same terms and conditions under which it provides transmission service to itself.
- Compliance with PUC and ERCOT direction to construct transmission facilities to mitigate transmission grid reliability risks and to relieve congestion associated with the flow of power in ERCOT.
- Necessary improvements, based on defined planning and telecommunications criteria, to maintain the reliability, security and safety of LCRA TSC's electric system and minimize the consequences associated with equipment failures that cause electric service outages.

Fundamentally, as a transmission service provider in ERCOT, LCRATSC provides reliable transmission service to ERCOT ratepayers and open access to the transmission grid to eligible customers. PUC Substantive Rule 25.195b requires transmission service providers in ERCOT to "construct and place into service sufficient transmission capacity to ensure adequacy and reliability of the network to deliver power to transmission service customer loads." The requirements to provide facilities to reliably meet existing and anticipated growth in electric system load and generation are key drivers for LCRATSC's capital projects.

#### **Capital Planning Approach (Continued)**

The FY 2021 capital plan is the result of obligatory system assessments conducted annually to ensure continued long-term adequate and reliable electric service. LCRA TSC works closely with transmission customers directly connected to LCRA TSC facilities, other transmission and distribution service providers, generation entities, and ERCOT to identify electric system needs.

If facilities do not meet planning-level reliability performance requirements, staff explores cost-effective solutions. When feasible, staff analyzes multiple alternative solutions, including operating solutions. These solutions typically include modifications, upgrades and/or additions of substation or transmission line facilities. LCRA Transmission Planning staff also considers options that optimize the use of existing facilities, address multiple performance limitations and minimize the need to acquire new rights of way when possible.

LCRA TSC's capital planning process results in the publication of the Transmission System Improvements Plan. The TSIP consists of a business case analysis, developed by LCRA's Transmission Planning staff, for each project before seeking Board approval. Staff evaluates each project based on technical merits to meet a system performance requirement. Staff conducts a least-cost analysis to assist in selecting the best, most cost-effective alternative. Certain projects require ERCOT stakeholder review to ensure projects are effective and coordinated as needed.

#### **Cost Estimating**

LCRA staff develops project cost estimates for the appropriate planning alternatives using electric utility industry standard practices. These estimates are refined as the project progresses through design and other milestones until the scope and cost estimates are finalized. This process includes collaboration with multiple project stakeholders. Projects will be brought to the LCRA and LCRA TSC boards of directors for approval once this process has been completed and as needed. In accordance with LCRA TSC Board Policy T301 – Finance, if an approved capital project is expected to exceed its lifetime budget by 10% and \$300,000, additional funding approval may be requested.

#### **Capital Outlook**

Over the next five years, LCRATSC will continue to construct and upgrade transmission lines and substation facilities. This plan includes expected spending over the next five years of more than \$2 billion. This spending will be financed by the use of both debt and current period revenues as shown on Page 9 of this plan. This plan is subject to revision as LCRATSC continues to respond to the evolving needs of the transmission system in ERCOT.

Transmission projects fall into these categories:

- Facility acquisition projects are associated with the acquisition of existing facilities.
- General addition projects are funded by the general additions budget and justified individually as smaller line-item projects.
- Generation interconnection projects are necessary to facilitate generator interconnections requested by ERCOT market participants.
- Service reliability projects are driven by equipment obsolescence, operational improvements or transmission service reliability needs.
- System capacity projects are needed to provide new or increased transmission system capacity.
- **Third-party funded projects** are not driven by utility criteria; instead, external parties that will contribute a substantial portion of the project cost request the projects.

There are 89 approved projects with expected spending of \$367.5 million in FY 2021. This expected spending is categorized below:

#### LCRA Transmission Services Corporation FY 2021 Capital Plan Approved Projects

(Dollars in millions)

Planning Category	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Five-Year Total
Facility Acquisition Projects	\$ 4.9	6.3	-	-	-	11.2
Generation Interconnection Projects	20.4	22.5	3.5	0.1	-	46.5
Service Reliability Projects	160.2	44.8	0.3	0.03	-	205.3
System Capacity Projects	182.1	35.8	10.6	-	-	228.5
Approved Subtotal	\$ 367.5	109.4	14.4	0.1	-	491.5

# **Capital Plan – Future Projects**

Staff continues to evaluate projects totaling almost \$1.6 billion of expected spending over the next five years. Staff will bring these projects individually to the Board for approval throughout the fiscal year. This spending is categorized below:

#### LCRA Transmission Services Corporation FY 2021 Capital Plan Future Projects

(Dollars in millions)

Planning Category	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Five-Year Total
Facility Acquisition Projects	\$ 20.0	-	-	-	-	20.0
General Addition Projects	4.0	4.0	4.0	4.0	4.0	20.0
Generation Interconnection Projects	18.0	18.0	25.0	30.0	30.0	121.0
Service Reliability Projects	45.8	156.8	207.7	276.5	128.4	815.3
System Capacity Projects	37.5	173.8	164.7	73.7	129.7	579.4
Third-Party Funded Projects	4.8	9.6	-	-	-	14.5
Future Subtotal	\$ 130.2	362.2	401.5	384.2	292.1	1,570.1

## Capital Plan – Approved and Future Projects

Spending for approved and potential future projects totaling about \$2.1 billion over the next five years is categorized below:

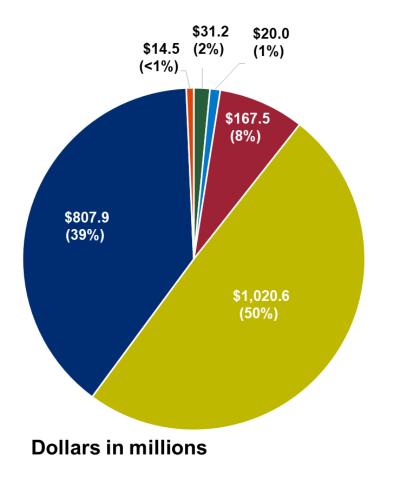
#### LCRA Transmission Services Corporation FY 2021 Capital Plan Approved and Future Projects

(Dollars in millions)

Planning Category	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Five-Year Total
Facility Acquisition Projects	\$ 24.9	6.3	-	-	-	31.2
General Addition Projects	4.0	4.0	4.0	4.0	4.0	20.0
Generation Interconnection Projects	38.4	40.5	28.5	30.1	30.0	167.5
Service Reliability Projects	206.0	201.6	208.0	276.5	128.4	1,020.6
System Capacity Projects	219.5	209.7	175.4	73.7	129.7	807.9
Third-Party Funded Projects	4.8	9.6	-	-	-	14.5
Total LCRA Transmission Services Corporation	\$ 497.7	471.6	415.9	384.3	292.1	2,061.6

### Capital Plan – Approved and Future Projects (Continued)

Total spending on Transmission approved and potential future capital projects is about \$2.1 billion over the next five years. This spending is categorized below:



- Facility Acquisition Projects
- General Addition Projects
- Generation Interconnection Projects
- Service Reliability Projects
- System Capacity Projects
- Third-Party Funded Projects

### **Capital Plan – Requested Project Budget Increases**

#### LCRA TSC FY 2021 Requested Project Budget Increases

**Burnet to Lampasas Transmission Line Overhaul (\$24.6 million)** – LCRA TSC requests an \$11.7 million increase to the Burnet to Lampasas Transmission Line Overhaul project's lifetime budget from \$12.9 million to \$24.6 million. The LCRA TSC Board initially approved the project in the LCRA TSC FY 2020 capital plan. The budget increase is based on an updated engineering estimate for external construction that is higher than the original estimate. The project is needed to increase the reliability of transmission facilities on the 23.4-mile T219 Burnet to Lampasas 138-kilovolt transmission line. The project is scheduled for completion on May 15, 2021.

**Camp Wood to Leakey Transmission Line Overhaul (\$48 million)** – LCRA TSC requests an \$18.4 million increase to the Camp Wood to Leakey Transmission Line Overhaul project's lifetime budget from \$29.6 million to \$48 million. The LCRA TSC Board initially approved the project in the LCRA TSC FY 2017 capital plan. The budget increase is largely due to the preliminary external construction estimate and potential costs related to weather and other potential project risks being higher than originally estimated. The project is needed to increase the reliability of transmission facilities on the 17.3-mile T269 Camp Wood to Leakey 69-kilovolt transmission line and upgrade the line to 795 aluminum conductor steel-reinforced cable that is 138-kV capable with an optical ground wire shield. The project is scheduled for completion on June 30, 2021.

Note: The dollar amounts in parentheses after the project titles reflect lifetime budgets.



#### LCRA Transmission Services Corporation FY 2021 Capital Plan Approved Projects

						Five-Year	
Project Name	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total	Lifetime
Facility Acquisition Projects							
Homestead Substation Addition Acquisition	4,942	-	-	-	-	4,942	5,041
RGEC Transmission Facilities Acquisition	-	6,285	-	-	-	6,285	6,28
Facility Acquisition Projects Subtotal	4,942	6,285	-	-	-	11,227	11,326
Generation Interconnection Projects							
Amos Creek Circuit Breaker Addition	4,187	-	-	-	-	4,187	8,02
Castle Mountain Circuit Breaker Addition	10	-	-	-	-	10	1,733
Divide Circuit Breaker Addition	14	-	-	-	-	14	2,114
Horse Crossing-Rio Pecos Transmission Line Addition	1,811	-	-	-	-	1,811	2,39
Kimbro Substation Addition	1,198	-	-	-	-	1,198	4,510
Pinnacle Circuit Breaker Addition	340	-	-	-	-	340	2,68
Pinnacle Substation Addition	2,690	-	-	-	-	2,690	12,85
Schneeman Draw Circuit Breaker Addition	2,347	-	-	-	-	2,347	5,10
Soda Lake Circuit Breaker Addition	1,636	-	-	-	-	1,636	1,84
Soda Lake Substation Addition	3,050	-	-	-	-	3,050	3,54
Sonne Substation Addition	2,941	869	-	-	-	3,810	3,81
Tumbleweed Substation Addition	-	12,897	3,531	96	-	16,524	16,984
Twelvemile Substation Addition	130	8,727	-	-	-	8,857	8,85
Generation Interconnection Projects Subtotal	20,354	22,493	3,531	96	-	46,474	74,474
Service Reliability Projects							
Asphalt Mines Substation Addition	2,283	-	-	-	-	2,283	2,41
Autotransformer Monitoring – FY 2020 Substation Upgrade	12	-	-	-	-	12	39
Backbone Bandwidth Telecommunications Upgrade	5	-	-	-	-	5	1,46
Burnet-Lampasas Transmission Line Overhaul	19,235	272	-	-	-	19,507	24,60
Clear Fork-Lockhart Transmission Line Overhaul	430	3,463	17	3	-	3,913	3,91
Clear Fork-Robert Brown Jr. Transmission Line Overhaul	459	8,220	48	4	-	8,731	8,73
Clear Springs Autotransformer Replacement	4,084	-	-	-	-	4,084	6,74

#### LCRA Transmission Services Corporation FY 2021 Capital Plan Approved Projects

Project Name	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Five-Year Total	Lifetime
Service Reliability Projects (continued)							
Coronado-Sherwood Shores Transmission Line Storm Hardening	11,129	6	-	-	-	11,135	12,001
Dimmit Circuit Breaker Addition	1,316	9	-	-	-	1,325	5,108
Divide Roadway Substation Upgrade	760	-	-	-	-	760	949
Fayette Area Transmission Line Upgrades	9,737	45	-	-	-	9,782	25,657
Fayette Power Project 138-kV-La Grange Transmission Line Overhaul	88	-	-	-	-	88	4,128
Fayetteville-Winchester Transmission Line Upgrade	131	-	-	-	-	131	17,230
Ferguson-Sherwood Shores Transmission Line Storm Hardening	2,835	-	-	-	-	2,835	3,368
Frelsburg Circuit Breaker Addition	5,145	-	-	-	-	5,145	7,736
Gabriel Substation Upgrade	19,776	1,623	-	-	-	21,399	23,696
Gabriel-Glasscock Transmission Line Storm Hardening	1,421	37	-	-	-	1,458	2,099
Gabriel-Rivery Transmission Line Storm Hardening	7,671	67	-	-	-	7,738	8,590
Georgetown-Rivery Transmission Line Upgrade	2	-	-	-	-	2	1,642
Goldthwaite-Lampasas Transmission Line Overhaul	4,699	176	-	-	-	4,875	6,071
Graphite Mine Circuit Breaker Addition	1,385	8,065	5	-	-	9,455	11,141
Harris Branch-McNeil Transmission Line Relocation	6	-	-	-	-	6	1,441
Harris Remote Terminal Unit Telecommunications Upgrade	4	-	-	-	-	4	456
Hi Cross-Turnersville Transmission Line Storm Hardening	2,472	3	-	-	-	2,475	2,852
Kempner Circuit Breaker Addition	1,379	6,274	30	-	-	7,683	9,152
Kleimann Circuit Breaker Addition	1	-	-	-	-	1	7,415
La Grange-Plum Transmission Line Overhaul	5	-	-	-	-	5	3,527
LCRA TSC Fiber Build-out – FY 2019 Telecommunications Upgrade	10,288	7,991	-	-	-	18,279	31,898
LCRA TSC Fiber Build-out – FY 2020 Telecommunications Upgrade	6,556	244	-	-	-	6,800	9,459
Luling-Zorn Transmission Line Overhaul	10,162	-	-	-	-	10,162	13,572
Magnolia Mercer Circuit Breaker Addition	2,578	-	-	-	-	2,578	5,131
Meadow Lake Substation Addition	2,706	-	-	-	-	2,706	5,901
Naruna Circuit Breaker Addition	2,248	-	-	-	-	2,248	3,991

### LCRA Transmission Services Corporation FY 2021 Capital Plan Approved Projects

					_	Five-Year	
Project Name	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total	Lifetime
ervice Reliability Projects (continued)							
New Bremen Circuit Breaker Addition	4,336	-	-	-	-	4,336	4,336
Obsolete Circuit Breaker Replacement – FY 2020 Substation Upgrade	468	-	-	-	-	468	5,939
Physical Security – FY 2019 Substation Upgrade	3,914	-	-	-	-	3,914	22,284
Physical Security – FY 2020 Substation Upgrade	2,406	4	-	-	-	2,410	3,530
Pooley Road Circuit Breaker Addition	3,619	50	-	-	-	3,669	4,265
Ranch Road 12 Circuit Breaker Addition	2,899	5	-	-	-	2,904	3,952
Remote Terminal Unit MPLS Migration – FY 2020 Telecommunications Upgrade	192	1	-	-	-	193	1,487
Rim Rock-Turtle Creek Transmission Line Storm Hardening	7,716	73	-	-	-	7,789	8,622
Riverside Circuit Breaker Addition	1,461	-	-	-	-	1,461	8,502
Robert Brown JrSan Marcos Transmission Line Overhaul	577	5,603	104	19	-	6,303	6,306
Switch Replacement – FY 2020 Substation Upgrade	497	-	-	-	-	497	1,477
Transmission Metering – FY 2020 Substation Upgrade	73	87	60	-	-	220	2,060
Turtle Creek Substation Upgrade	998	4	-	-	-	1,002	5,268
Weimar Circuit Breaker Addition	3	2,489	9	-	-	2,501	3,499
Welcome Circuit Breaker Addition	12	-	-	-	-	12	5,651
ervice Reliability Projects Subtotal	160,179	44,811	273	26	-	205,289	359,657
stem Capacity Projects							
Andice-Bertram-Burnet Transmission Line Upgrade	9,028	181	-	-	-	9,209	10,238
Bakersfield-Solstice Transmission Line Addition	31,557	-	-	-	-	31,557	78,100
Bellville South-Prairie View Transmission Line Upgrade	866	-	-	-	-	866	2,601
Boerne-Cico-Comfort-Kendall Transmission Line Upgrade	13	-	-	-	-	13	17,799
Camp Wood-Leakey Transmission Line Overhaul	34,316	212	-	-	-	34,528	48,000
Cooks Point Substation and Transmission Line Addition	25,252	-	-	-	-	25,252	39,457
Crane Circuit Breaker Addition	86	-	-	-	-	86	1,396
Escobares Substation Addition	4,142	-	-	-	-	4,142	5,158
Flatonia-Hallettsville Transmission Line Upgrade	134	-	-	-	-	134	13,722

#### LCRA Transmission Services Corporation FY 2021 Capital Plan Approved Projects

Project Name	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Five-Year Total	Lifetime
System Capacity Projects (continued)							
Fort Stockton Switch Substation Upgrade	5,159	-	-	-	-	5,159	5,456
Giddings-Warda Transmission Line Upgrade	8,746	-	-	-	-	8,746	16,326
Glidden Area Transmission Line Upgrade	13	-	-	-	-	13	19,995
Hayter Ranch Substation Upgrade	4,301	1	-	-	-	4,302	5,456
Kendall Most Limiting Series Element Substation Upgrade	1,180	-	-	-	-	1,180	2,080
Leakey Substation Upgrade	37	-	-	-	-	37	1,050
Leander-Round Rock Transmission Line Addition	71	-	-	-	-	71	118,167
Lincoln Substation Upgrade	2,584	-	-	-	-	2,584	3,982
Lockhart Substation Upgrade	586	-	-	-	-	586	2,547
McCamey Area Easement Enhancement System Upgrade	2,031	-	-	-	-	2,031	4,273
Motorman Substation Addition	5,649	-	-	-	-	5,649	7,613
Mountain Home Substation and Transmission Line Addition	30,059	33,851	10,593	-	-	74,503	79,089
Rattler Substation Addition	2,495	-	-	-	-	2,495	4,627
Study Butte Substation and Transmission Line Addition	6,939	1,535	30	-	-	8,504	87,127
Swiftex Substation Upgrade	2,557	1	-	-	-	2,558	2,848
Winchester Autotransformer Additions	1,284	-	-	-	-	1,284	50,592
Zorn Autotransformer Replacement	2,984	32	-	-	-	3,016	6,694
System Capacity Projects Subtotal	182,069	35,813	10,623	-	-	228,505	634,393
Approved Subtotal	367,544	109,402	14,427	122	-	491,495	1,079,850

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