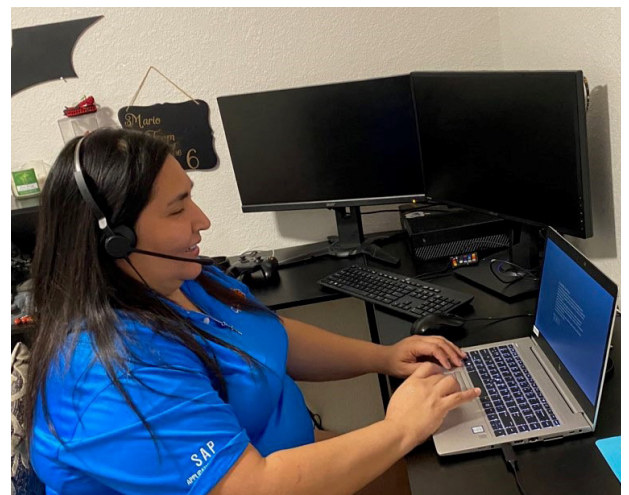




# Budget Plan

FY2022

**PEOPLE FIRST! - EMPLOYEES CUSTOMERS COMMUNITY**





# FISCAL YEAR 2022 FINANCIAL PLAN

## FORWARD

Thank you for your interest and engagement regarding the FY2022 Budget Plan approved by the CPS Energy Board of Trustees at the July 26, 2021, Board of Trustees (BoT) meeting.

Each year we are required to publicly make available a summary of our current fiscal year approved budget plan. This is a good practice that promotes transparency, informs our community and investors and fulfills compliance requirements set forth by finance related covenants. We also continue to measure our monthly performance against the approved budget.

As expected, FY2022 is still shaping up to be a challenging year and several of the assumptions included in the FY2022 Budget Plan continue to be fluid. We are keeping our BoT and community up to date on those changes and the financial implications to our plan through monthly financial updates. We continue to focus on cash flow to ensure liquidity, manage costs diligently and scan for emerging risks. Additionally, we are thoughtfully pursuing a path forward on the provisional rate increase included in our FY2022 Budget Plan to ensure current & future financial sustainability.

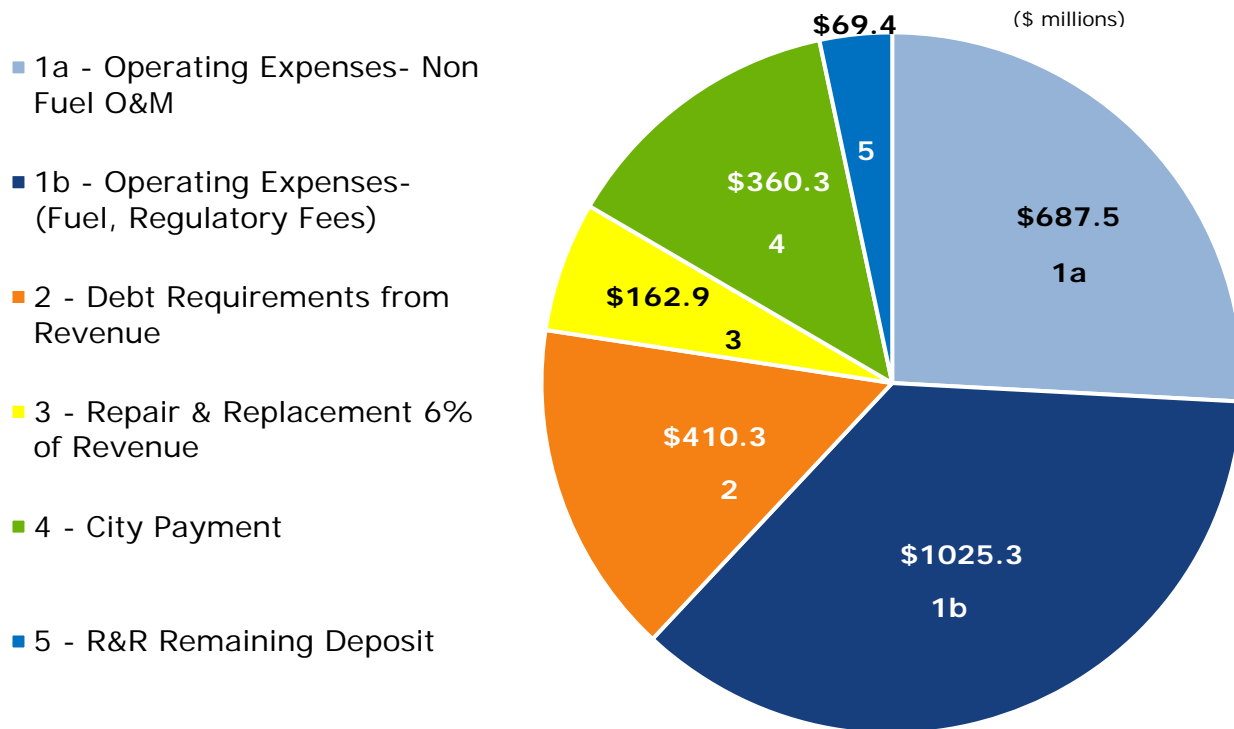
**Cory Kuchinsky, CPA**  
CPS Energy  
Chief Financial Officer (CFO) & Treasurer

## FY2022 USES OF REVENUE AND GOVERNANCE

CPS Energy's FY2022 Budget supports our **People First!** focus to benefit our community, our customers, as well as meet our commitments, including:

- Top-tier safety, reliability, customer service, and environmental performance
- Investment in customer-facing functions and security
- Meeting customer growth while continuing Infrastructure Modernization Projects

CPS Energy's total budget is reflected in the Uses of Revenue as defined by the Bond Ordinance. Management is focused on all elements of the budget to deliver value and benefit to all customers.



**FY2022 Uses of Revenue Total \$2,715.7M**  
Numbered by flow of funds

The Board of Trustees has oversight of the components of the planned Uses of Revenue through policy and other approvals.

Budget Component	Governance / Approval
Fuel Purchases	Governed by Procurement Policy, with material fuel purchases approved by the Board
Debt Issuance	Bond Issuances approved by the Board & San Antonio City Council
R&R Additions	Governed by the Bond Ordinance
City Payment	Approved monthly by the Board
Non-Fuel O&M *	Budget approval annually by the Board
Capital *	Budget approval annually by the Board

\*The FY2022 Non-Fuel O&M and Capital budget was approved by the Board of Trustees on July 26, 2021.



# FISCAL YEAR 2022 FINANCIAL PLAN

## GENERAL INFORMATION REGARDING CPS ENERGY

Purchased by the City of San Antonio (City) in 1942, CPS Energy (the Company) is the nation's largest municipally-owned energy utility providing natural gas and electric services. For the twelve months ending on January 31, 2021, CPS Energy served an average of approximately 873,722 electric customers throughout its 1,566 square-mile service area while simultaneously serving an average of approximately 362,952 distribution gas customers, mainly within the urban Bexar County area.

Affordable customer rates, high **Reliability**, a diversified electric-generating resource portfolio, and strong financial management characterize CPS Energy. CPS Energy customers' combined energy bills rank among the lowest of the nation's 20 largest cities. CPS Energy has a sound and balanced generation resource plan to meet customer demand that including nuclear, coal, natural gas, wind, solar, and landfill gas. CPS Energy also has a fuel-hedging program to help mitigate natural gas price volatility. CPS Energy promotes energy efficiency and conservation to its customers through the Save for Tomorrow Energy Plan (**STEP**) Program, which has received approval to continue in FY2022 under a one-year bridge plan. During FY2022, CPS Energy will seek public input on programs to include in a **FlexSTEP**<sup>SM</sup> year-round energy efficiency and conservation program for the future.

Even with the downgrade earlier this year, our credit rating continues to enable us to obtain low interest rates when financing new projects or refinancing existing debt. These high ratings are primarily attributed to an experienced management team, a moderate debt burden, consistently strong debt service coverage ratios, affordable retail electric rates, solid liquidity, and a monthly fuel and purchased power pass-through mechanism that insulates financial performance from market and operational volatility.

While its gas business operates competitively, CPS Energy remains outside of the Texas Retail Electric Competitive market. The San Antonio City Council passed a resolution in 2001, electing not to participate in the deregulated electricity market. CPS Energy remains dedicated to offering a wide range of pricing options and programs for its community, ensuring customers receive the full benefits of community ownership without the complexity of competition. With a diversity of energy sources and supporting economic development in San Antonio, CPS Energy works closely with community leaders to continually grow its metropolitan market to increase and diversify its customer base and benefit the community. With some exceptions, CPS Energy returns approximately 14% of its gross revenues to the City of San Antonio's General Fund. Since 1942, CPS Energy has provided to the City approximately \$8.2 billion, which supports important services such as those provided by the fire and police departments.

CPS Energy continues to place strong emphasis on enterprise risk management and strategic planning to remain a leader in the utility industry and maintain its status as an asset providing reliable, affordably-priced energy, and improving the quality of life for its customers in the Greater San Antonio metropolitan area. CPS Energy believes in a **People First!** philosophy—which translates into a strong focus on its customers, its employees, and the community it serves. That said, among CPS Energy's goals are a commitment to deliver exceptional value to our customers, provide a culture of world class safety for our employees and our community, and to foster a highly engaged workforce. Goal attainment efforts are funded through the utility's Operating & Maintenance (O&M) and Capital plans, funding specific programs, initiatives, and activities to support goal attainment.



# FISCAL YEAR 2022 FINANCIAL PLAN

## SAN ANTONIO AREA ECONOMIC PROJECTIONS

CPS Energy's planning process considers local, state and national economic trends. Although the local economy differs from the broad national landscape which experiences more moderate peaks and valleys, the San Antonio metropolitan economy continues to see steady growth. Throughout the pandemic, the San Antonio-New Braunfels metropolitan statistical area experienced losses across service sectors (hospitality, laboratory services, food and beverage), and yet, realized growth across business operations, automotive manufacturing, and life sciences, keeping the diverse industry base stable.

Customer growth in the San Antonio market is forecasted to continue, and the prospects for the San Antonio economy remain positive as it continues to position itself as one of the most dynamic economies in Texas and in the United States. Seventy (70) new individuals move to the region each day. Additionally, the majority of these individuals come to us from South Texas and also from Los Angeles and Chicago. Most of them are between the ages of 24 and 45, the majority being Hispanic. San Antonio continues to be a beacon for Hispanic professionals and people seeking a community in which to thrive. Both the public and private sectors are deeply committed to smart development, with another large bond package set to pass and hundreds of millions of dollars to be invested in continued infrastructure, transportation, housing, greenspace, education, workforce, and industry development, and with overwhelming investment in the greater: SATX (formerly San Antonio Economic Development Foundation) comprehensive regional economic development strategy. The community is aligned and invested in strategic growth, positioning us well to maximize the economic opportunities ahead

Over the past five years, employment opportunities continued to grow, with a wide variety of jobs and required skills available. Our economic development community will continue to bring entry, mid, and senior-level opportunities across our targeted industries: advanced manufacturing, bioscience, tech and cyber, aerospace, and logistics, with a focus on upskilling and reskilling incumbent workers to fill the available jobs, supplemented by a new strategy to attract young professionals to the market. With these aligned efforts, the community is projected to grow by more than 140K jobs in the next five years.

## FORECAST OF CUSTOMER REQUIREMENTS

The CPS Energy financial planning process begins with the development of the Customer Requirements Forecast, which is a projection of the number of customers and their energy consumption. The forecast is based on weather-normalized, historic sales, adjusted for the effect of its energy efficiency and conservation programs, such as the Save for Tomorrow Energy Plan (STEP) Program. The development of this forecast is a complex process involving the assessment of various economic, demographic, and technological factors. The forecast is the basis for planning decisions regarding the future growth and operation of the electric and gas systems and for the determination of the revenues required to finance that growth. The most recent summary forecast of customer requirements was prepared during the fall of 2020.

Annual average electric system customers totaled 873,722 for the fiscal year ended January 31, 2021, and the annual average is estimated to increase at a rate of approximately 1.8%.

Annual average gas system customers totaled 362,952 for the fiscal year ended January 31, 2021, and the annual average is estimated to increase at a rate of approximately 1.6%.



# FISCAL YEAR 2022 FINANCIAL PLAN

## FY2022 REVENUE REQUIREMENTS AND FINANCING PLAN

For FY2022, projected Gross Revenue totals \$2,715.7 million, which is composed of Operating Revenue of \$2,699.5 million and Non-Operating Revenue of \$16.2 million. The FY2022 Financial Plan includes assumed provisional rate support effective in the 4th quarter of the fiscal year. The provisional rate support would generate a current year benefit of approximately \$27.0 million gross, \$23.2 million net of city payment. This assumption is completely subject to CPS Board and City of San Antonio Council approval. Gross Revenue will be used to fund Operating Expenses, Debt Service (principal and interest), City Payment, and the Capital Program via the Repair and Replacement Account (R&R Account). The operating expense of \$1,712.8 million will be funded with 63.0% of the Gross Revenue. Debt Requirements and City Payment have been estimated at \$410.3 million and \$360.3 million, respectively, and will be funded with 15.1% and 13.3% of the Gross Revenue, respectively. The remaining \$232.3 million, or 8.6% of Gross Revenue, will be available to fund the capital program.

<b>FY2022 Revenue Requirements (\$ millions)</b>		
	<b>Plan</b>	<b>% of Revenue</b>
<b>Gross Revenue</b>	<b>\$2,715.7</b>	<b>100.0%</b>
<b>Operating Expenses:</b>		
Electric Fuel and Purchased Power	\$844.2	31.0%
Distribution Gas	102.0	3.8%
PUCT and ERCOT Assessments / Other	79.1	2.9%
Non-Fuel O&M*	687.5	25.3%
<b>Total Operating Expenses</b>	<b>\$1,712.8</b>	<b>63.0%</b>
<b>Debt Service</b>	<b>\$410.3</b>	<b>15.1%</b>
<b>City Payment</b>	<b>\$360.3</b>	<b>13.3%</b>
<b>Available for Construction (R&amp;R)</b>	<b>\$232.3</b>	<b>8.6%</b>
<b>Days Cash on Hand</b>	<b>181</b>	
<b>FY2022 Debt Statistics (\$ millions)</b>		
Total Debt		\$7,054.6
Debt Capitalization Ratio		65.1%
Adjusted Debt Service Coverage (ADSC) Ratio		1.57
Planned Capital:		\$714.3
Debt Proceeds		\$463.9
Estimated Average Tax-Exempt Coupon		4.90%

The current financing assumptions include funding the capital portfolio with \$463.9 million of debt proceeds and \$250.4 million from the R&R Account and other sources. The plan assumes debt issuances of \$445.0 million. In addition, current financing assumptions include potential issuances to pay for Storm Uri cost. However, much is still unknown as the disputes and litigation continue. We continue to monitor debt refinancing opportunities in the current interest rate environment as they arise and look for further ways to optimize our financing plan. Proceeds from all sources, including interest earned, will be primarily used to fund electric transmission and distribution, including grid modernization, gas distribution, generation, and facilities improvement construction projects, as well as enhancements to our customer service operations. This financing plan is projected to result in an Adjusted Debt Service Coverage Ratio of 1.57x, a Debt to Capitalization Ratio of 65.1%, and Days Cash on Hand of 181 days.

\* Includes South Texas Project 1&2 ("STP")



# FISCAL YEAR 2022 FINANCIAL PLAN

## OPERATING & MAINTENANCE PLAN

Operating expenses are comprised of four major categories: Electric Fuel, Renewables and Purchased Power, Distribution Gas, Public Utility Commission of Texas (PUCT) and Electric Reliability Council of Texas (ERCOT) Assessments, and Non-Fuel O&M.

O&M expenses for FY2021 were \$1,555.5 million, or \$154.0M below the FY2021 plan, driven by lower Distribution Gas Expense and Electric Fuel and Purchased Power of \$92.9 million because of decreased renewable production and lower market prices for natural gas as well as lower Non-Fuel O&M of \$57.9 million due to budget mitigation achievements and other cost savings.

**The FY2022 Operating expenses are \$1,712.8 million, which is \$157.3 million, or 10.1% higher than the FY2021 year-end actuals.**

The composition of the FY2021 financial plan is as follows:

Categories	O&M Plan (\$ millions)
	FY2022
Electric Fuel, Renewables and Purchased Power	\$844.2
Distribution Gas	102.0
PUCT and ERCOT Assessments / other	79.1
Non-Fuel O&M*	687.5
<b>Total Company</b>	<b>\$1,712.8</b>

Each of these cost categories and the drivers of their changes are discussed in detail in the following section.

### ***ELECTRIC FUEL, RENEWABLES AND PURCHASED POWER***

CPS Energy has a diverse fuel mix with 17 fossil-fueled electric generating units, two of which are coal-fired (1,345 MW at summer peak) and 15 of which are a mixture of natural gas combined cycle, simple cycle and gas fired steam units (3,360 MW at summer peak). CPS Energy also has a 40% interest in the South Texas Project (STP) nuclear generating units 1&2 (1,028 MW CPS Energy's share at summer peak). In addition, CPS Energy owns and operates 2 small solar PV plants (5MW & 1 MW) and a 10 MW/10 MWh battery energy storage system (BESS). As of January 31, 2021, CPS Energy has purchase power agreements for 1,049 MW (nameplate capacity) of wind power, 545 MW (nameplate capacity) of solar power, and almost 14 MW of landfill gas (nameplate capacity), exceeding its goal of 1,500 MW of renewable capacity by 2020. Including the owned renewable generation, CPS Energy has a total of 1,614 MW of renewable capacity.

Electric Fuel and Purchased Power reflects the costs of the various fuels used to generate electricity and the costs associated with purchased power. Costs in this category are a function of the level of electric sales, unit fuel costs, and the mix of the various fuels used to generate electricity and purchased power costs, which includes market purchases, renewable sources and STEP.

For FY2021, Electric Fuel and Purchased Power was \$747.5 million, which was \$68.7 million, or 8.4% lower than the approved plan, driven by lower market prices for natural gas.

**For FY2022, the Electric Fuel and Purchased Power is estimated to total \$844.2 million, which is \$96.7 million above FY2021 actual. The variance is due to higher per unit fuel cost.**

\* Includes South Texas Project 1&2 ("STP")



# FISCAL YEAR 2022 FINANCIAL PLAN

## *Save For Tomorrow Energy Plan (STEP)*

The STEP program was created to encourage customer demand reduction through energy efficiency and conservation. STEP had an original goal to achieve 771 MW of demand reduction, equivalent to the generating capacity of a large power plant. The original goal was achieved in FY2020. In FY2021, an extension, called STEP Bridge, was approved as a continuation of the STEP program while CPS Energy gathers input, develops and proposes a new long-term efficiency and conservation plan to be called FlexSTEP<sup>SM</sup>. Since inception, the STEP program, and now STEP Bridge, have achieved a cumulative demand reduction of 926 MW.

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## *DISTRIBUTION GAS*

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CPS Energy procures natural gas for use in electric generation facilities, as well as distribution to gas customers. CPS Energy receives natural gas through several major gas delivery stations, which supply gas into CPS Energy owned and operated gas transmission pipelines, or directly into CPS Energy's gas distribution system. The gas delivery stations and gas transmission pipelines are monitored and managed through a supervisory control and data acquisition (SCADA) system.

CPS Energy manages combined natural gas supply requirements for power plants and gas distribution system through several agreements for firm and interruptible services with various pipelines and suppliers. In accordance with its Fuels Management Procedures, CPS Energy has negotiated enabling contracts with gas suppliers under which CPS Energy can purchase gas on a daily, weekly, monthly or seasonal basis. These supply agreements along with transportation and storage contracts form a beneficial & diversified portfolio of supply, transportation, and storage services.

Policy permits staff of the Energy Supply & Market Operations Fuels Division to enter into gas supply transactions for periods not exceeding one year under enabling agreements. Transactions exceeding one year must be approved by the Vice President of Energy Supply & Market Operations.

The Board of Trustees must approve any fuel purchase that is for a period greater than one year and which represents more than 10% of CPS Energy's anticipated fuel purchases for the period. In addition, the Board of Trustees has approved an Energy Price Risk Management Policy, which provides formal guidelines for the purchase and sale of certain financial instruments and certain physical products, collectively defined as hedge instruments, entered to protect customers from volatile gas prices.

In FY2008, CPS Energy received approval from the Board of Trustees to enter into a 20-year gas purchase agreement with the SA Energy Acquisition Public Facility Corporation (SAEA), a Section 303 public facility corporation established by the City of San Antonio in April 2007. J. Aron, the commodity subsidiary of Goldman Sachs, supplies natural gas under the agreement, which represents approximately 30% of CPS Energy's natural gas distribution system requirements at a significant discount to the index price. The savings in this transaction are passed through to CPS Energy distribution gas customers. This structured transaction involves multiple counterparties. While some entities have experienced unfavorable ratings changes, the counterparties continue to perform. CPS Energy's staff continues to closely monitor this transaction.

Distribution Gas was \$54.1 million for FY2021, which is \$24.2 million below the approved plan, driven by lower market prices for natural gas.

**For FY2022, Distribution Gas has been estimated at \$102.0 million. The increase of \$47.9 million from the FY2021 level is due to higher projected natural gas market prices.**



# FISCAL YEAR 2022 FINANCIAL PLAN

## REGULATORY ASSESSMENTS

Effective March 2000, a regulatory adjustment factor resulting from changes in the Texas electric utility industry was added to CPS Energy's electric bills. This adjustment is comprised of two major components:

- 1) ERCOT wide transmission grid expenditures, and
- 2) ERCOT charges for
  - a. ERCOT Administration Fee
  - b. Electric Reliability Organization Fee

ERCOT is the independent entity that administers the flow of electricity on the interconnected grid that operates wholly within Texas.

On November 23, 2020, CPS Energy filed an Application for Interim Update of Wholesale Transmission Rates with the PUCT, pursuant to P.U.C. Subst. R. 25.192(h)(1). The application was approved on January 15, 2021 and resulted in an annual transmission revenue requirement of \$218.9 million. This represents an increase of \$49.4 million from the \$169.5 million in transmission revenue requirements previously established and is the basis for CPS Energy's current wholesale transmission receipts.

For FY2021, these assessments were \$99.0 million, or \$3.2 million below the approved plan for FY2021.

**For FY2022, this category has been estimated at \$79.1 million. This is a decrease of \$19.9 million or 20.1% below the FY2021 level due to interim transmission cost of service (TCOS) filing approved January 2021.**

## NON-FUEL OPERATING & MAINTENANCE\*

CPS Energy strives to deliver exceptional value to our customers, and mitigate financial risk, through human capital development, generation diversification, infrastructure modernization, and the adoption of innovative technology. Our Non-Fuel O&M expense funds ongoing business operation costs, including labor, contract services and materials, which allow for delivery of industry leading, safety & reliability, and affordable energy to our customers.

Non-Fuel O&M for FY2021 was \$654.9 million, or \$57.9 million below the approved plan. The decrease in Non-Fuel O&M is primarily due to budget mitigation achievements and other cost savings.

**For FY2022, this category is estimated at \$687.5 million, an increase of \$32.6 million from FY2021. The key driver for the increase is due to a higher investment in plant maintenance, along with technology maintenance & upgrades.**

	<b>FY2022</b> (\$ millions)	
	<b>Plan</b>	<b>% Total</b>
Power Sustainability*	\$306.5	44.6%
Grid Optimization & Resiliency	124.1	18.0%
Customer & Stakeholder Engagement	69.1	10.1%
Business & Technology & Excellence	72.8	10.6%
Security, Safety and Gas Solutions	34.9	5.1%
Administrative & Shared Services**	80.1	11.6%
<b>CPS Energy Total</b>	<b>\$687.5</b>	<b>100.0%</b>

\* Includes South Texas Project 1&2 ("STP")

\*\* Includes Legal & General Counsel, Financial Services, President & CEO and Corporate Items



# FISCAL YEAR 2022 FINANCIAL PLAN

## CAPITAL PLAN

CPS Energy continually plans for current and future electric generation, electric transmission and distribution, gas system capital construction programs, and supporting technology and facilities. Given the long-term and high-cost nature of utility assets, the CPS Energy capital planning process is designed to focus on optimizing the returns on its investments in capital assets. CPS Energy develops capital plans at four levels:

- 1) A 25-year electric resource plan that projects specific electrical power generation alternatives,
- 2) A 15-year Long-Range Transmission and Distribution Development Plan that estimates the system requirements for CPS Energy's service area,
- 3) A 5-year projection of the capital plan, to ensure proper integration with the Strategic Plan initiatives and targets, and
- 4) The most current 2-year plan to meet immediate growth and modernization needs

### CAPITAL SUMMARY

	FY2022 (\$ millions)	
	Plan	% Total
Customer Engineering	\$115.0	16.1%
Customer Engagement	14.9	2.0%
Military Strategic Cooperation & Support - JBSA	6.4	0.9%
Product Development	0.4	0.1%
<b>Total Customer &amp; Stakeholder Engagement Office</b>	<b>136.7</b>	<b>19.1%</b>
Grid Transformation and Engineering	138.5	19.4%
Power Generation*	114.8	16.1%
Substation & Transmission	78.5	11.0%
Electric Distribution	39.5	5.5%
Energy Supply & Market Operations	8.5	1.2%
Business & Economic Development	8.0	1.1%
<b>Total Operations Office</b>	<b>387.8</b>	<b>54.3%</b>
<b>Administration &amp; Business Development Office</b>	<b>17.9</b>	<b>2.5%</b>
<b>Business &amp; Technology Excellence (BTE) Office</b>	<b>41.1</b>	<b>5.8%</b>
<b>Financial Services Office</b>	<b>1.2</b>	<b>0.2%</b>
Gas Delivery	79.5	11.1%
Fleet	18.7	2.6%
Integrated Security	3.2	0.5%
<b>Total Security, Safety &amp; Gas Solutions Office</b>	<b>101.4</b>	<b>14.2%</b>
<b>Remaining Business Areas</b>	<b>28.2</b>	<b>3.9%</b>
<b>CPS Energy Total</b>	<b>\$714.3</b>	<b>100.0%</b>

Capital expenditures for FY2021 were \$630.8 million\*\*, or \$53.3 million below the approved plan primarily due to deferment of certain Operations and BTE projects.

**The Capital Plan for FY2022 of \$714.3 million is \$83.5 million more than FY2021.**

The composition of the FY2022 Capital Plan is presented in the table above. Each of these Business Units are discussed on the following pages.

\* Includes South Texas Project 1&2 ("STP")

\*\* Includes Allowance for Funds Used During Construction (AFUDC)



# FISCAL YEAR 2022 FINANCIAL PLAN

## **CUSTOMER AND STAKEHOLDER ENGAGEMENT**

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Customer and Stakeholder Engagement consists of Customer Success, Customer Value Optimization Community Engagement, Corporate Responsibility, Corporate Communication & Marketing, Government & Regulatory Affairs & Public Policy and Products & Services.

Customer Engagement capital expenditures for FY2021 totaled \$125.6 million, \$9.8 million below the approved plan.

**The FY2022 Customer and Stakeholder Engagement capital program is planned at \$136.7 million, or \$11.1 million above the spending level for FY2021 due to continued strong economic growth in our service territory.**

## **GRID OPTIMIZATION & RESILIENCY**

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### **ELECTRIC DISTRIBUTION**

CPS Energy's electric distribution system is the pathway for the delivery of energy from the transmission lines and substations to the customers. System additions are strategically planned to keep pace with the anticipated expansion of the San Antonio Metropolitan area and the growth in customer demands for energy. This Electric Distribution capital program consists of costs associated with serving new subdivisions, distribution system expansion and growth, infrastructure modernization, and civic improvement projects requested by the State, County, and the various cities served by CPS Energy.

FY2021 Electric Distribution capital expenditures totaled \$36.2 million which was right at plan.

**The FY2022 Electric Distribution capital program is planned at \$39.5 million, which is \$3.3 million above FY2021 actuals, due to special and infrastructure modernization projects.**

### **SUBSTATION & TRANSMISSION**

CPS Energy's transmission line network represents the path for moving electric power from the generating plants to substations within the service area, and to and from other utilities. The Substation & Transmission capital program is comprised of both new additions to the transmission system and system improvements.

Substation & Transmission's capital expenditures for FY2021 totaled \$63.8 million or \$1.5 million above the approved plan primarily due to higher than planned regulatory and system growth projects.

**The FY2022 Substation & Transmission capital program is planned at \$78.5 million or \$14.7 million higher than the FY2021 actuals, primarily driven by increased activity on infrastructure modernization projects.**

### **GRID TRANSFORMATION AND ENGINEERING**

CPS Energy's Grid Transformation and Engineering consist of delivery engineering, integrated planning, substation & transmission engineering, transmission and distribution field services & operations, and grid modernization.

Grid Transformation and Engineering's capital expenditures for FY2021 totaled \$120.1 million or \$6.5 million below the approved plan primarily due to decreased spend on infrastructure modernization projects.

**The FY2022 Grid Transformation and Engineering's capital program is planned at \$138.5 million or \$18.4 million higher than the FY2021 actuals, primarily driven by increased spend on infrastructure and civic improvement projects.**



# FISCAL YEAR 2022 FINANCIAL PLAN

## POWER SUSTAINABILITY & MARKET OPERATIONS

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### POWER GENERATION\*

The Power Generation capital program supports the following:

- 1) Power plant improvements to improve safety, reliability, environmental stewardship, and operating efficiencies
- 2) Compliance with State and Federal regulations

Power Generation's FY2021 capital expenditures totaled \$125.6 million, or \$5.2 million below the approved plan due to various environmental and infrastructure modernization projects.

**The FY2022 Power Generation capital program is planned at \$114.8 million, or \$10.8 million below the spending level for FY2021 primarily driven by reduction in infrastructure modernization projects.**

### ENERGY SUPPLY & MARKET OPERATIONS

As a Level 4 Qualified Scheduling Entity (QSE), Energy Supply & Market Operation's capital program supports the development and maintenance of information systems to provide load forecasting, day ahead and real time scheduling of load, generation and bilateral transactions, generator unit commitment and dispatch, and communications.

Energy Supply & Market Operation's capital expenditures for FY2021 totaled \$2.1 million, or \$5.1 million below the approved plan driven by delays in Energy Market Operations information system upgrades.

**The FY2022 Energy Supply & Market Operation capital program is planned at \$8.5 million, or \$6.4 million above the FY2021 spending level driven by the Generation Management System Upgrade Project.**

### ADMINISTRATIVE OFFICE

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Administrative Office consists of People & Culture, Supply Chain, Real Estate & Master Planning and Compliance & Environmental.

Administrative Office capital expenditures for FY2021 totaled \$30.4 million, \$5.8 million below the approved plan primarily driven by timing of construction activities associated with the Headquarters Project.

**The FY2022 Administrative Office capital program is planned at \$17.9 million, or \$12.5 million below the spending level for FY2021 due to decreased Real Estate Master Plan activities associated with the completion of the new headquarters project.**

### BUSINESS & TECHNOLOGY EXCELLENCE

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Business & Technology Excellence (BTE) consists of Technology Services, Digital & Data Transformation, and Enterprise Business Planning & Execution Excellence. BTE strives to provide the optimal combination of application, infrastructure, and governance to anticipate the technology needs of the business.

Business & Technology Excellence capital expenditures for FY2021 totaled \$24.8 million, or \$20.7 million below the approved plan due to scope changes of multiple EIT initiatives.

**The FY2022 Business & Technology Excellence capital program is planned at \$41.1 million, or \$16.3 million above the spending level for FY2021 due to infrastructure modernization projects, Alamo Area Regional Radio System replacement project and Enterprise Resource Planning/Data Governance Projects.**

\* Includes South Texas Project 1&2 ("STP")



# FISCAL YEAR 2022 FINANCIAL PLAN

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## *FINANCIAL SERVICES*

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Financial Services consists of Accounting, Finance and Strategic Pricing & Enterprise Risk Mitigation.

Financial Services had minimal capital expenditures for FY2021.

**The FY2022 Financial Services capital program is planned at \$1.2M primarily for various information technology initiatives.**

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## *LEGAL & GENERAL COUNSEL*

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Legal & General Counsel consists of Legal and Compliance.

Legal & General Counsel had no capital expenditures for FY2021.

**The FY2022 Legal & General Counsel capital program has no capital expenditures planned.**

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## *SECURITY, SAFETY & GAS SOLUTIONS*

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Security, Safety & Gas Solutions consists of Enterprise & Public Safety, Gas Solutions, Fleet, and Integrated Security.

Security, Safety & Gas Solutions capital expenditures for FY2021 totaled \$89.3 million, \$3.4 million below the approved plan primarily driven by lower than planned gas projects and fleet software initiatives.

**The FY2022 Security, Safety & Gas Solutions capital program is planned at \$101.4 million, or \$12.1 million above the spending level for FY2021 due to increased Gas and Fleet Operations initiatives.**



## FISCAL YEAR 2022 CAPITAL PLAN

Business Group	Business Unit	Project Description	\$ Range
Chief Administrative Office	Supply Chain	Supply Chain - Climate Control	< \$1 m
Chief Administrative Office	Supply Chain	Supply Chain -Fuel Islands	< \$1 m
Chief Administrative Office	Supply Chain	Supply Chain - Electric Fleet	< \$1 m
Chief Administrative Office	Real Estate & Master Planning	Facility Recapitalization	\$5 m - \$10 m
Chief Administrative Office	Real Estate & Master Planning	Phase 2 development of Corporate Headquarters	\$1 m - \$5 m
Chief Administrative Office	Real Estate & Master Planning	Furniture Program	\$1 m - \$5 m
Chief Administrative Office	People & Culture	Cafeteria Equipment for CPS Energy Headquarters and Renovations at Other Locations	\$1 m - \$5 m
Chief Administrative Office	People & Culture	Human Resources System Upgrades and Improvements (SuccessFactors)	< \$1 m
Chief Administrative Office	People & Culture	Heavy Equipment Training Simulator	< \$1 m
Chief Administrative Office	Gas & Corporate Compliance	Corporate Compliance Tracking System (CMO) Implementation Strategy	< \$1 m
Customer Engagement Office	Product Development	Resiliency Service - Previously E-Rock	< \$1 m
Customer Engagement Office	Military Strategic Cooperation & Support	Joint Base San Antonio Utilities Privatization Natural Gas Critical Pipe Replacement-Lackland	\$1 m - \$5 m
Customer Engagement Office	Military Strategic Cooperation & Support	Joint Base San Antonio (JBSA) Lackland - Microgrid Construction	< \$1 m
Customer Engagement Office	Military Strategic Cooperation & Support	Joint Base San Antonio (JBSA) Utilities Privatization- Customer Driven Projects-Elec	< \$1 m
Customer Engagement Office	Military Strategic Cooperation & Support	Joint Base San Antonio (JBSA) Utilities Privatization Relay Upgrade - Randolph	< \$1 m
Customer Engagement Office	Military Strategic Cooperation & Support	Joint Base San Antonio (JBSA) Lackland - Transformer Replacements	< \$1 m
Customer Engagement Office	Military Strategic Cooperation & Support	Joint Base San Antonio Utilities Privatization Long Term Agreement Critical Switch Replacement	< \$1 m
Customer Engagement Office	Military Strategic Cooperation & Support	Joint Base San Antonio (JBSA) Utilities Privatization Pole Replacements - Lackland	< \$1 m
Customer Engagement Office	Military Strategic Cooperation & Support	Joint Base San Antonio Utilization Prioritization - Electric Critical Switch Replacement	< \$1 m
Customer Engagement Office	Military Strategic Cooperation & Support	Joint Base San Antonio (JBSA) Utilities Privatization Relay Upgrade - Lackland	< \$1 m
Customer Engagement Office	Military Strategic Cooperation & Support	Joint Base San Antonio (JBSA)-Critical Pipe Replacement-Gas-Chapman Training Annex	< \$1 m
Customer Engagement Office	Military Strategic Cooperation & Support	Joint Base San Antonio (JBSA) Utilities Privatization Anode Installation -Gas	< \$1 m
Customer Engagement Office	Military Strategic Cooperation & Support	Joint Base San Antonio (JBSA) Utilities Priv Relay Upgr - Chapman Training Annex	< \$1 m
Customer Engagement Office	Military Strategic Cooperation & Support	Joint Base San Antonio (JBSA)-Critical Pipe Replacement-Gas-Randolph	< \$1 m
Customer Engagement Office	Military Strategic Cooperation & Support	Joint Base San Antonio (JBSA)-Randolph-50YR-Electric	< \$1 m
Customer Engagement Office	Military Strategic Cooperation & Support	Joint Base San Antonio (JBSA)-Lackland-50YR-Electric Renewals & Replacement	< \$1 m
Customer Engagement Office	Military Strategic Cooperation & Support	Joint Base San Antonio (JBSA) Utilities Privatization -Customer Driven Projects-Gas	< \$1 m
Customer Engagement Office	Military Strategic Cooperation & Support	Joint Base San Antonio (JBSA)-Lackland-50YR-Gas	< \$1 m
Customer Engagement Office	Military Strategic Cooperation & Support	Joint Base San Antonio (JBSA)-Lackland-Emergency Replacement-Electric	< \$1 m
Customer Engagement Office	Military Strategic Cooperation & Support	Joint Base San Antonio (JBSA)-Lackland TA Emergency Replacement-Electric	< \$1 m
Customer Engagement Office	Military Strategic Cooperation & Support	Joint Base San Antonio (JBSA)-Lackland Training Annex 50YR-Elec Renewals & Replacements	< \$1 m
Customer Engagement Office	Military Strategic Cooperation & Support	Joint Base San Antonio (JBSA)-Randolph-Emergency Replacement-Electric	< \$1 m
Customer Engagement Office	Customer Success	Pre-Cap Advanced Metering Infrastructure (AMI) Meters	\$5 m - \$10 m
Customer Engagement Office	Customer Success	Data Presentation	\$1 m - \$5 m
Customer Engagement Office	Customer Success	Dir Purch Pre-Cap Electric Meter Cabinet	\$1 m - \$5 m
Customer Engagement Office	Customer Success	Interval Billing Quality Data	< \$1 m
Customer Engagement Office	Customer Success	Dir Purch Pre-Cap Elect Meters w/Current Transformers and Voltage Transformers	< \$1 m
Customer Engagement Office	Customer Success	Dir Purch Pre-Cap Electric Transocket	< \$1 m
Customer Engagement Office	Customer Success	Direct Purchase Pre-Cap ION Meters	< \$1 m
Customer Engagement Office	Customer Success	Meter Measurement - Tools & Equipment	< \$1 m
Customer Engagement Office	Customer Success	Dir Purch Pre-Cap Elect Meters without Current Transformers and Voltage Transformers(CTVT)	< \$1 m
Customer Engagement Office	Customer Success	MV90 to Advanced Metering Infrastructure (AMI)	< \$1 m
Customer Engagement Office	Customer Engineering	Underground Residential Distribution Systems-New Residential Subdivision	> \$10 m
Customer Engagement Office	Customer Engineering	Install Underground Service/Meter Residential	> \$10 m
Customer Engagement Office	Customer Engineering	Overhead Line Extension, Service & Meter-Commercial Service	\$5 m - \$10 m
Customer Engagement Office	Customer Engineering	Underground Line & Service for Commercial/Industrial Customer	\$5 m - \$10 m
Customer Engagement Office	Customer Engineering	Line Extension, Service & Meter-Residential Services	\$5 m - \$10 m
Customer Engagement Office	Customer Engineering	Overhead Line Extension-New Residential Subdivision	\$5 m - \$10 m
Customer Engagement Office	Customer Engineering	Construction Service Improvement	\$5 m - \$10 m
Customer Engagement Office	Customer Engineering	Reroute Overhead Line-Commercial/Industrial Customer	\$5 m - \$10 m
Customer Engagement Office	Customer Engineering	Underground Residential Distribution Systems-New Apartment Complexes & Mobile Home Park	\$5 m - \$10 m
Customer Engagement Office	Customer Engineering	Install Street Lights - Underground - New Service Delivery	\$1 m - \$5 m
Customer Engagement Office	Customer Engineering	Overhead Service & Meter-Commercial Services	\$1 m - \$5 m
Customer Engagement Office	Customer Engineering	Overhead Electric Service-Residential	\$1 m - \$5 m
Customer Engagement Office	Customer Engineering	Underground Electric Service-Residential	\$1 m - \$5 m
Customer Engagement Office	Customer Engineering	Overhead Line Extension-New Apartment & Mobile Home Park	\$1 m - \$5 m
Customer Engagement Office	Customer Engineering	All Night Security Light-Residential Customers	\$1 m - \$5 m
Customer Engagement Office	Customer Engineering	Underground Line/Service Downtown Network Customer	\$1 m - \$5 m
Customer Engagement Office	Customer Engineering	Underground Commercial Line Extension/Service/Meter	\$1 m - \$5 m
Customer Engagement Office	Customer Engineering	Overhead Electric Service-Commercial	< \$1 m
Customer Engagement Office	Customer Engineering	Overhead Service/Meter-Residential Services	< \$1 m
Customer Engagement Office	Customer Engineering	All Night Security Light-Commercial Customers	< \$1 m
Customer Engagement Office	Customer Engineering	Underground Service & Meter-Commercial Services	< \$1 m
Customer Engagement Office	Customer Engineering	All Night Security Light & Streetlight-Residential Subdivision/Apartment	< \$1 m
Customer Engagement Office	Customer Engineering	Residential Development Removal or Relocation	< \$1 m
Customer Engagement Office	Customer Engineering	Overhead Electric Service-Residential	< \$1 m
Customer Engagement Office	Customer Engineering	Overhead Electric Main Extension-Commercial	< \$1 m
Customer Engagement Office	Customer Engineering	Overhead Line, Extension Padmount Transformer/Meter Large Commercial Service	< \$1 m
Customer Engagement Office	Customer Engineering	Overhead All Night Streetlight	< \$1 m
Customer Engagement Office	Customer Engineering	Overhead Electric Main Extension-Residential	< \$1 m



## FISCAL YEAR 2022 CAPITAL PLAN

Business Group	Business Unit	Project Description	\$ Range
Grid Optimization & Resiliency Office	Electric Distribution	Overhead Emergency Replacement	\$5 m - \$10 m
Grid Optimization & Resiliency Office	Electric Distribution	Westover Hills Expansion (Chevron) (Distribution)	\$5 m - \$10 m
Grid Optimization & Resiliency Office	Electric Distribution	Outage Management System (OMS)/Distribution Management System (DMS) Software Upgrade	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Electric Distribution	Underground Residential Distribution - Emergency	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Electric Distribution	GAS System Control and Data Acquisition (SCADA) Upgrade	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Electric Distribution	Olmos - Replace Transformer/Switchgear #1 - Distribution	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Electric Distribution	Fredericksburg Road - Replace Transformer/Switchgear #1	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Electric Distribution	Kirby Substation - Replace Transformer/Switchgear #2 (Distribution)	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Electric Distribution	Navistar - New Substation	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Electric Distribution	Highland Hills - Replace Transformer/Switchgear #2, Switchgear #1 - Distribution	< \$1 m
Grid Optimization & Resiliency Office	Electric Distribution	Mobile Switchgear (Distribution)	< \$1 m
Grid Optimization & Resiliency Office	Electric Distribution	Remote Operations Computers (ROC) 800 Upgrades	< \$1 m
Grid Optimization & Resiliency Office	Electric Distribution	Distribution- Non-Microprocessor Protective Relay Upgrade	< \$1 m
Grid Optimization & Resiliency Office	Electric Distribution	DGA Monitors	< \$1 m
Grid Optimization & Resiliency Office	Electric Distribution	Capital Replacement-Distribution	< \$1 m
Grid Optimization & Resiliency Office	Electric Distribution	Outage Management System (OMS) Network Adapter Enhancement	< \$1 m
Grid Optimization & Resiliency Office	Electric Distribution	Chavaneaux Replace Transformer/Switchgear #2, Distr Feeder Relay Upgrade #3 - Distribution	< \$1 m
Grid Optimization & Resiliency Office	Electric Distribution	Geographic Information System (GIS) to OMS Network Adapter Modernization	< \$1 m
Grid Optimization & Resiliency Office	Electric Distribution	Distribution - Midtown - New Substation	< \$1 m
Grid Optimization & Resiliency Office	Electric Distribution	Diagnostic Equipment	< \$1 m
Grid Optimization & Resiliency Office	Electric Distribution	Energy Management System (EMS) Upgrade-Capital	< \$1 m
Grid Optimization & Resiliency Office	Electric Distribution	Supervisory Control and Data Acquisition Equipment	< \$1 m
Grid Optimization & Resiliency Office	Electric Distribution	Distribution - Construction - 50882a HH J423 Rep	< \$1 m
Grid Optimization & Resiliency Office	Electric Distribution	Substation Wildlife Protection Program	< \$1 m
Grid Optimization & Resiliency Office	Electric Distribution	Energy Management System (EMS) Software(Redhat/Oracle) Upgrade	< \$1 m
Grid Optimization & Resiliency Office	Electric Distribution	Distribution -USAA #1 - Replace Switchgear #1 and #3	< \$1 m
Grid Optimization & Resiliency Office	Electric Distribution	Computer Equipment - Utility/Distribution	< \$1 m
Grid Optimization & Resiliency Office	Electric Distribution	Personal Protective Equipment Radio Frequency Identification (RFID) Tracking and Software	< \$1 m
Grid Optimization & Resiliency Office	Electric Distribution	Northwest #6 New Substation - Distribution	< \$1 m
Grid Optimization & Resiliency Office	Electric Distribution	Distribution - Anderson - New 100 Megavolt-ampere (MVA) Transformer/Switchgear#1	< \$1 m
Grid Optimization & Resiliency Office	Electric Distribution	Medina Base - Replace Transformer/Switchgear #3 (Distribution)	< \$1 m
Grid Optimization & Resiliency Office	Electric Distribution	Tools-Equipment - Distribution	< \$1 m
Grid Optimization & Resiliency Office	Electric Distribution	Gas Remote Terminal Unit (RTU) Upgrades	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	Old Hickory - Switchyard	\$5 m - \$10 m
Grid Optimization & Resiliency Office	Substation & Transmission	Transmission - Midtown - New Substation	\$5 m - \$10 m
Grid Optimization & Resiliency Office	Substation & Transmission	Substation Physical Barriers	\$5 m - \$10 m
Grid Optimization & Resiliency Office	Substation & Transmission	Braunig to Highland Hills/Brooks Rebuild	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Substation & Transmission	NW6 Transmission Loop	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Substation & Transmission	Transmission -USAA #1 - Replace Switchgear #1 and #3	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Substation & Transmission	Braunig - Highland Hills/Brooks	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Substation & Transmission	Capitol Cement Second Circuit	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Substation & Transmission	Navistar - New Substation	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Substation & Transmission	Hunt Lane to Pinn Rd Rebuild	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Substation & Transmission	Joint Base San Antonio Electro Magnetic Pulse (EMP)/System Resiliency	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Substation & Transmission	United Services Automobile Association #1 Transmission Loop	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Substation & Transmission	Old Hickory Solar	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Substation & Transmission	Buckeye to LA Heights Rebuild	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Substation & Transmission	AVR - Replace six (6) 345kV Breakers	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Substation & Transmission	Transmission Grounding Improvement	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Substation & Transmission	IH-35 NEX: Tuttle - Kirby	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Substation & Transmission	Capital Replacement-Transmission	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Substation & Transmission	Westover Hills Expansion (Chevron) (Transmission)	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Substation & Transmission	Northwest #6 New Substation (Transmission)	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Substation & Transmission	Substation Paving/Drainage Improvements	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	Laredo St. Dead-end Rep	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	Transmission - Capacitor Bank Replacement/Upgrade Program	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	Federal Energy Regulatory Commission (FERC) 754 Substation Relay Upgrades - Cagnon	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	Howard Rd. Switchyard	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	Westover Hills Expansion (Chevron)	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	Highland Hills - Station Rebuild	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	Highland Hills - Replace Transformer/Switchgear #2, Switchgear #1 (Transmission)	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	Transmission - Construction - Quintana Breaker Replace	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	Navistar Transmission Loop	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	Leon Creek Substation - New Tie Bus	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	Transmission- Construction - Buckeye Most Limiting Series Element (MLSE)	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	138kV Metering Current Transformer Replacements	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	Parsons - Replace Breaker 11Y3	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	Cagnon to Valley rebuild (Phase A)	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	Transmission - Construction - Arrester Program - D5	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	IH-35 NEX: Skyline - Deely	< \$1 m



## FISCAL YEAR 2022 CAPITAL PLAN

Business Group	Business Unit	Project Description	\$ Range
Grid Optimization & Resiliency Office	Substation & Transmission	Brooks to Chavaneaux Rebuild (Tap West)	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	Tezel Rd Substation Loop	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	Substation Fence Program	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	Tools-Equipment - Transmission	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	Transmission- Non-Microprocessor Protective Relay Upgrade	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	Midtown Transmission Loop	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	345kV Metering CT Rep - Hill Country	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	North American Electric Reliability Corporation DME Installation Program	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	IH-35 NEX: Skyline - Spruce 345kV	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	TXDOT: Loop 1604 @ UTSA	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	Grounding Grid Upgrades	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	Tezel Rd-New Substation - Transmission	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	Olmos - Replace Transformer/Switchgear #1 (Transmission)	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	Kirby Substation - Replace Transformer/Switchgear #2 (Transmission)	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	Transmission Station Construction - T4 - 138kV	< \$1 m
Grid Optimization & Resiliency Office	Substation & Transmission	Chavaneaux Repl Transf/Switchgear #2, Distr Feeder Relay Upgrade #3	< \$1 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Cable Rehabilitation	> \$10 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Pre-Capitalization 1 Phase Padmount Transformer	> \$10 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Reclosers for Circuit Reliability	\$5 m - \$10 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Underground Line Strategy	\$5 m - \$10 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Pole Replacement	\$5 m - \$10 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Pre-Capitalization Overhead Transformers	\$5 m - \$10 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Relocate Underground for Civic Improvement Projects	\$5 m - \$10 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Upgrade Conductor	\$5 m - \$10 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Overhead System Voltage Conversions	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Pre-Capitalization 3 Phase Padmount Transformer	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Underground Facility System Improvements	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Underground New Feeder Circuits/Substation	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Reimbursable Overhead Relocation - Texas Department of Transportation (TxDOT) Project	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Underground Street Light for City of San Antonio (COSA) / Suburban Cities	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Pre-Capitalization Overhead Transformer 3-Phase Only	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	New Feeder Circuits for Growth	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Civic Improvement-State Highway	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	High Thermal Event System (HTES) for Downtown Network Reliability	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Bullet Sleeve Replacement	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	LED Streetlight Transition and Billing	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Downtown Network - Network Protector VaultGard Supervisory Control and Data Acquisition	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Overhead Electric Distribution System Improvement-Districts	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Make-Ready Adjustments for Telecommunications	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Extend Underground in Downtown San Antonio	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Relocate Overhead for City of San Antonio (COSA) Civic Projects	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Relocate Network for Civic Improvement Project San Pedro Creek - Nueva	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Joint Base San Antonio System (JBSA) Rehabilitation	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Relocate Overhead for Bexar County Civic Projects	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Overhead Streetlights - City of San Antonio (COSA)/Suburban Cities	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Circuit Upgrades Due to Poor Reliability	\$1 m - \$5 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Underground Feeder Replacement	< \$1 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Fault Location and Isolation Service Restoration (FLISR)	< \$1 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Randolph Runway Undergrounding	< \$1 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Pre-Capitalization Network (2) Transformers	< \$1 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Electric Overhead Improvements	< \$1 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Overhead Distribution System Improvement-Circuit Patrol	< \$1 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Pre-Capitalization Capacitor Banks	< \$1 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Pre-Capitalization Capacitors (Individual)	< \$1 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Distributed Generation	< \$1 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Distribution Automation Equipment	< \$1 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Pre-Capitalization Voltage Regulators	< \$1 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Install Capacitor Banks	< \$1 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Pre-Capitalization Network Protectors	< \$1 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Electric Vehicle (EV) Charging Station Upgrades	< \$1 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Downtown Network System Improvement	< \$1 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Downtown Network Facility Rehabilitation	< \$1 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Overhead Electric Civic Improvements	< \$1 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Make-Ready Adjustments for Phone Company	< \$1 m
Grid Optimization & Resiliency Office	Grid Transformation & Engineering	Overhead Line Customer Assistance	< \$1 m
Power Sustainability & Business Development Office	Energy Supply & Market Operations	ESMO Business Critical System Unit Enhancements & Upgrades	\$1 m - \$5 m
Power Sustainability & Business Development Office	Energy Supply & Market Operations	Business Critical System Real-time Co-Optimization Upgrade	\$1 m - \$5 m
Power Sustainability & Business Development Office	Energy Supply & Market Operations	Generation Management System Real-time Co-Optimization Upgrade	\$1 m - \$5 m
Power Sustainability & Business Development Office	Energy Supply & Market Operations	Echo Control Rm Activu Audio Visual	\$1 m - \$5 m
Power Sustainability & Business Development Office	Energy Supply & Market Operations	Meter Analog Expansion Module	\$1 m - \$5 m



## FISCAL YEAR 2022 CAPITAL PLAN

Business Group	Business Unit	Project Description	\$ Range
Power Sustainability & Business Development Office	Energy Supply & Market Operations	ESMO Generation Management System Annual Application Update	< \$1 m
Power Sustainability & Business Development Office	Energy Supply & Market Operations	Demand Response Management System Expansion & Upgrades	< \$1 m
Power Sustainability & Business Development Office	Energy Supply & Market Operations	Computer Hardware Replacement Reserve	< \$1 m
Power Sustainability & Business Development Office	Power Generation	STP 1&2 Capital Project	> \$10 m
Power Sustainability & Business Development Office	Power Generation	Spruce Wastewater Treatment/Effluent	\$5 m - \$10 m
Power Sustainability & Business Development Office	Power Generation	Rio Nogales CT1 Rotor Replacement	\$5 m - \$10 m
Power Sustainability & Business Development Office	Power Generation	Rio Nogales ST GSU Transformer	\$5 m - \$10 m
Power Sustainability & Business Development Office	Power Generation	Rio Nogales High Pressure/Intermediate Pressure (HP/IP) Turbine Retrofit	\$5 m - \$10 m
Power Sustainability & Business Development Office	Power Generation	Rio Nogales CT301 GSU Transformer	\$1 m - \$5 m
Power Sustainability & Business Development Office	Power Generation	von Rosenberg (AvR) SCR Catalyst Replacement	\$1 m - \$5 m
Power Sustainability & Business Development Office	Power Generation	Lee West CT2 - Rotor No.191-362	\$1 m - \$5 m
Power Sustainability & Business Development Office	Power Generation	Spruce2 Baghouse Bag Replacement	\$1 m - \$5 m
Power Sustainability & Business Development Office	Power Generation	Braunig Dam Spillway Enclosure Project	\$1 m - \$5 m
Power Sustainability & Business Development Office	Power Generation	Lee West CT4 - Rotor No.191-370	\$1 m - \$5 m
Power Sustainability & Business Development Office	Power Generation	von Rosenberg (AvR) BOP Controls Upgrade Project	\$1 m - \$5 m
Power Sustainability & Business Development Office	Power Generation	von Rosenberg (AvR) CT2 Major Inspection Estimate	\$1 m - \$5 m
Power Sustainability & Business Development Office	Power Generation	Lee East SCR Catalyst Replacement	\$1 m - \$5 m
Power Sustainability & Business Development Office	Power Generation	Spruce1 UPS & Battery Charger Replacement	\$1 m - \$5 m
Power Sustainability & Business Development Office	Power Generation	von Rosenberg (AvR) CT1 Rotor Replacement	\$1 m - \$5 m
Power Sustainability & Business Development Office	Power Generation	von Rosenberg (AvR) CT2 Rotor Replacement	\$1 m - \$5 m
Power Sustainability & Business Development Office	Power Generation	von Rosenberg (AvR) Switchgear Replacement	\$1 m - \$5 m
Power Sustainability & Business Development Office	Power Generation	Calaveras Sanitary Sewer Improvement/Upgrade	\$1 m - \$5 m
Power Sustainability & Business Development Office	Power Generation	Rio Nogales CT2 Rotor Replacement	\$1 m - \$5 m
Power Sustainability & Business Development Office	Power Generation	Rio Nogales CT3 Rotor Replacement	\$1 m - \$5 m
Power Sustainability & Business Development Office	Power Generation	Lee West Nox Catalyst Replacements CT1-4	\$1 m - \$5 m
Power Sustainability & Business Development Office	Power Generation	Lee West Redundant Gas Compressor	\$1 m - \$5 m
Power Sustainability & Business Development Office	Power Generation	Rio Nogales CT2 Stator Re-Wedge	\$1 m - \$5 m
Power Sustainability & Business Development Office	Power Generation	Rio Nogales CT2 Stator Exchange/Rewind	\$1 m - \$5 m
Power Sustainability & Business Development Office	Power Generation	Power Generation Direct Purchase Tools & Equipment	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Lee West Cooling Tower Media Replacement	< \$1 m
Power Sustainability & Business Development Office	Power Generation	von Rosenberg (AvR) Duct Burner Replacement	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Spruce Controls Refresh	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Power Plant Large Motor Rewinds	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Sommers/Deely NERC Refresh	< \$1 m
Power Sustainability & Business Development Office	Power Generation	von Rosenberg (AvR) Boiler Feed Pump Upgrades	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Rio Nogales Aux Transformer	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Lee East Units 5-8 Service Bulletin 310 Implementation	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Spruce1 Forced Draft (FD) & Induced Draft (ID) Fan Drive PLC Upgrade	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Lee West Balance of Plant (BOP) Network Upgrade	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Rio Nogales Steamer TWIPS Upgrades	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Rio Nogales Online Equipment Condition Monitoring	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Rio Nogales Training Simulator	< \$1 m
Power Sustainability & Business Development Office	Power Generation	von Rosenberg (AvR) Inlet Filters	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Spruce1&2 HVAC Replacements	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Spruce1&2 Battery Monitoring System	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Power Generation Planning & Scheduling Software Implementation Project	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Replace Corroded Fuel Gas Piping	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Community Solar Fiber Upgrades	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Spruce 2 Variable Frequency Drive (VFD) Component Upgrades to Fans	< \$1 m
Power Sustainability & Business Development Office	Power Generation	von Rosenberg (AvR) Ammonia Vaporizing Skid Upgrade	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Sommers 1B Boiler Circulating Pump (BCP) Rebuild	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Spruce2 Miscellaneous Platforms	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Community Solar Emerson Upgrades	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Spruce2 Baghouse Level Detection Replacement	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Spruce1 Generator and Transformer Protective Relay Panel Upgrade	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Rio Nogales Circulating Water Pump Motor Rewind	< \$1 m
Power Sustainability & Business Development Office	Power Generation	von Rosenberg (AvR) AGP Escalation Annual true-up	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Rio Nogales Lime Silo Retrofit	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Rio Nogales Steam Turbine (ST) Exciter Transformer Replacement	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Power Generation Battery Monitoring System	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Braunig3 Turbine Electronic Overspeed Trip Upgrade	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Sommers Plant Power Cable Replacement Program	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Rio Nogales Steam Turbine (ST) Pedestal Crane Replacement	< \$1 m
Power Sustainability & Business Development Office	Power Generation	MBLW WetSAC A-Cell Replacement	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Rio Nogales Fuel Gas System Upgrade	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Lee West SCR Heater Upgrades	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Rio Nogales CT101 Exciter Transformer Replacement	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Spruce2 Service Water Auto Back Flush Strainer	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Spruce 2 Recycle Pump Gearbox Cooling System Upgrade	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Coal Yard Dumper Holding Devices	< \$1 m



## FISCAL YEAR 2022 CAPITAL PLAN

Business Group	Business Unit	Project Description	\$ Range
Power Sustainability & Business Development Office	Power Generation	Coal Yard Dust Collector-201 Upgrade	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Lee West Primary Filter Replacements	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Rio Nogales Upgrade Heat Recovery Steam Generator (HRSG) Doors	< \$1 m
Power Sustainability & Business Development Office	Power Generation	von Rosenberg (AvR) HP Train Valve Replacement	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Spruce1 EMAT / WMAT LTC Upgrade	< \$1 m
Power Sustainability & Business Development Office	Power Generation	von Rosenberg (AvR) Screen Wash Pumps	< \$1 m
Power Sustainability & Business Development Office	Power Generation	von Rosenberg (AvR) 4160 Motor Rewinds	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Circuit Emulation (CEM) Spectrum SpectraPak Upgrade	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Spruce Power Plant Pump Replacements for Environmental Systems	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Braunig2 NERC Refresh Project	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Braunig1 NERC Refresh Project	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Coal Yard Secondary Unit Substation (SUS) Transformer Replacements	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Rio Nogales Chem Lab Sample Panel Upgrade	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Rio Nogales Condensate LP Drum Control Valves	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Community Solar Communications Shelter	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Spruce2 Fire Booster Pump System Upgrade	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Braunig3 NERC Refresh Project	< \$1 m
Power Sustainability & Business Development Office	Power Generation	von Rosenberg (AvR) Circulating Water Pump Spare Motor	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Replace Reheater Desuperheater Spray Control Valve	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Spruce2 MS Lead Replacement	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Calaveras Lake TDS Management Blowdown	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Calaveras Evaporation Pond Closure	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Rio Nogales Advanced Gas Path (AGP) Escalation annual true-up	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Community Solar Security Upgrades	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Calaveras Asset Corrosion Storage Building	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Power Generation Computer Equipment	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Power Generation Direct Purchase Office Equipment	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Rio Nogales Water Plant PLC Migration to Ovation	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Braunig1 Turbine Electronic Overspeed Trip Upgrade	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Rio Nogales Duct Burner PLC Migration to Ovation	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Coal Yard Freeze Protection Upgrades	< \$1 m
Power Sustainability & Business Development Office	Power Generation	Spruce2 Main Steam Drains	< \$1 m
Power Sustainability & Business Development Office	Power Generation	von Rosenberg (AvR) CO2 Fire Suppression Upgrade	< \$1 m
Power Sustainability & Business Development Office	Business & Economic Development	Flexible Path Projects	\$5 m - \$10 m
Power Sustainability & Business Development Office	Business & Economic Development	San Antonio Water System (SAWS) Resiliency Project	\$1 m - \$5 m
Business & Technology Excellence Office	Business & Technology Excellence	Fiber Lifecycle Re-routes	\$5 m - \$10 m
Business & Technology Excellence Office	Business & Technology Excellence	Alamo Area Regional Radio System (AARRS)	\$1 m - \$5 m
Business & Technology Excellence Office	Business & Technology Excellence	Direct Purchase of Personal Computers/Rugged Computers	\$1 m - \$5 m
Business & Technology Excellence Office	Business & Technology Excellence	North American Electric Reliability Corporation (NERC) Platform Upgrade	\$1 m - \$5 m
Business & Technology Excellence Office	Business & Technology Excellence	Infrastructure Lifecycle Management	\$1 m - \$5 m
Business & Technology Excellence Office	Business & Technology Excellence	Smart Grid Network Operations (Formerly Post Go)	\$1 m - \$5 m
Business & Technology Excellence Office	Business & Technology Excellence	Data Platform Modernization	\$1 m - \$5 m
Business & Technology Excellence Office	Business & Technology Excellence	Enterprise Resource Planning (ERP) Transformation	\$1 m - \$5 m
Business & Technology Excellence Office	Business & Technology Excellence	Unified Communication	\$1 m - \$5 m
Business & Technology Excellence Office	Business & Technology Excellence	Network Hardware: Logical Management Regulatory Requirements Network Upgrade	\$1 m - \$5 m
Business & Technology Excellence Office	Business & Technology Excellence	JungleMux (JMUX) Multiplexer Life Cycle Program	\$1 m - \$5 m
Business & Technology Excellence Office	Business & Technology Excellence	North American Electric Reliability Corporation (NERC) Platform Upgrade	\$1 m - \$5 m
Business & Technology Excellence Office	Business & Technology Excellence	Audio Visual Equipment/Device Life Cycle Multi Functional Printers	\$1 m - \$5 m
Business & Technology Excellence Office	Business & Technology Excellence	EnergyIP (Meter Data Management), UtilityIQ (UIQ) Upgrade	\$1 m - \$5 m
Business & Technology Excellence Office	Business & Technology Excellence	Polled Settlement Metering Ethernet To The Meter (ETTM)	\$1 m - \$5 m
Business & Technology Excellence Office	Business & Technology Excellence	Geographic Information System (GIS) Upgrade	\$1 m - \$5 m
Business & Technology Excellence Office	Business & Technology Excellence	Enterprise Architecture	\$1 m - \$5 m
Business & Technology Excellence Office	Business & Technology Excellence	Disaster Recovery	< \$1 m
Business & Technology Excellence Office	Business & Technology Excellence	SAP (Enterprise Resource Planning Software) Software Service Packs	< \$1 m
Business & Technology Excellence Office	Business & Technology Excellence	Mobile Data System Replacement	< \$1 m
Business & Technology Excellence Office	Business & Technology Excellence	JungleMux (JMUX) Upgrade	< \$1 m
Business & Technology Excellence Office	Business & Technology Excellence	Asset Resource Manager (ARM) Work Manager Lifecycle Management	< \$1 m
Business & Technology Excellence Office	Business & Technology Excellence	Data Engineering/Data Science toolkit	< \$1 m
Business & Technology Excellence Office	Business & Technology Excellence	Communication Sites Uninterruptible Power Supply (UPS) Life-Cycle Replacement	< \$1 m
Business & Technology Excellence Office	Business & Technology Excellence	Digital Signage	< \$1 m
Business & Technology Excellence Office	Business & Technology Excellence	Infoblox for North American Electric Reliability Corporation (NERC)	< \$1 m
Business & Technology Excellence Office	Business & Technology Excellence	Interlocal Data Sharing Process Implementation	< \$1 m
Business & Technology Excellence Office	Business & Technology Excellence	Business & Technology Excellence (BTE) Centralized Intake Project	< \$1 m
Business & Technology Excellence Office	Business & Technology Excellence	Telecommunication Tools & Test Equipment	< \$1 m
Business & Technology Excellence Office	Business & Technology Excellence	Cisco Optical Networking Service (ONS) Channel Upgrade	< \$1 m
Business & Technology Excellence Office	Business & Technology Excellence	Data Center Co-Location	< \$1 m
Business & Technology Excellence Office	Business & Technology Excellence	American Disability Act (ADA) Compliance	< \$1 m
Business & Technology Excellence Office	Business & Technology Excellence	SAP (Enterprise Resource Planning Software) Enterprise Portal Upgrade	< \$1 m
Business & Technology Excellence Office	Business & Technology Excellence	North American Electric Reliability Corporation (NERC) Validation & Monitoring Tool	< \$1 m
Business & Technology Excellence Office	Business & Technology Excellence	Communication Sites Battery Replacement	< \$1 m



## FISCAL YEAR 2022 CAPITAL PLAN

Business Group	Business Unit	Project Description	\$ Range
Business & Technology Excellence Office	Business & Technology Excellence	Fiber Tools & Test Equipment	< \$1 m
Business & Technology Excellence Office	Business & Technology Excellence	Substation Power Line Carrier Programmable Logic Controller & Wave	< \$1 m
Business & Technology Excellence Office	Business & Technology Excellence	JungleMux (JMUX) Multiplexer Cyber Secured Service Unit (CSSU)	< \$1 m
Business & Technology Excellence Office	Business & Technology Excellence	Active Fiber Monitoring System	< \$1 m
Business & Technology Excellence Office	Business & Technology Excellence	Radio Replacements - End-of-life Cambiums	< \$1 m
Financial Services Office	Financial Services	Redwood Financial Close Automation Upgrade	< \$1 m
Financial Services Office	Financial Services	Commercial On-Site Solar Tariff	< \$1 m
Financial Services Office	Financial Services	Large Commercial Power Green Tariff (LCP-GRN)	< \$1 m
Financial Services Office	Financial Services	Bank Conversion Project	< \$1 m
Security, Safety & Gas Solutions Office	Integrated Security	Alamo Regional Security Operations Center (ARSOC)	\$1 m - \$5 m
Security, Safety & Gas Solutions Office	Integrated Security	Physical Security Cameras	< \$1 m
Security, Safety & Gas Solutions Office	Integrated Security	Physical Security Fencing	< \$1 m
Security, Safety & Gas Solutions Office	Gas Solutions	Install Gas Subdivision Infrastructure	\$5 m - \$10 m
Security, Safety & Gas Solutions Office	Gas Solutions	Civic Improvement - Bexar County	\$5 m - \$10 m
Security, Safety & Gas Solutions Office	Gas Solutions	Civic Improvement - City of San Antonio	\$5 m - \$10 m
Security, Safety & Gas Solutions Office	Gas Solutions	Replace Steel Gas Services with Plastic	\$5 m - \$10 m
Security, Safety & Gas Solutions Office	Gas Solutions	Gas Growth Strategy	\$5 m - \$10 m
Security, Safety & Gas Solutions Office	Gas Solutions	Gas Supply Lines	\$1 m - \$5 m
Security, Safety & Gas Solutions Office	Gas Solutions	Install Plastic Services	\$1 m - \$5 m
Security, Safety & Gas Solutions Office	Gas Solutions	Renewal Program - Replace Distribution Pressure (DP) Facilities	\$1 m - \$5 m
Security, Safety & Gas Solutions Office	Gas Solutions	Civic Improvement Texas Department of Transportation (TXDOT) Nonreimbursal	\$1 m - \$5 m
Security, Safety & Gas Solutions Office	Gas Solutions	Gas Distribution Mains	\$1 m - \$5 m
Security, Safety & Gas Solutions Office	Gas Solutions	Renewal Program - Replace Supply Pressure (SP) Mains	\$1 m - \$5 m
Security, Safety & Gas Solutions Office	Gas Solutions	Direct Purchase Pre-Cap Gas Meters	\$1 m - \$5 m
Security, Safety & Gas Solutions Office	Gas Solutions	Gas Customer Growth	\$1 m - \$5 m
Security, Safety & Gas Solutions Office	Gas Solutions	Over Pressure Protection (OPP)	\$1 m - \$5 m
Security, Safety & Gas Solutions Office	Gas Solutions	Track/Traceability	\$1 m - \$5 m
Security, Safety & Gas Solutions Office	Gas Solutions	Civic Improvement Renewal - Other	\$1 m - \$5 m
Security, Safety & Gas Solutions Office	Gas Solutions	Remodel, Remove & Reroute Gas Service Restoration	\$1 m - \$5 m
Security, Safety & Gas Solutions Office	Gas Solutions	Install Gas Mains Commercial/Industrial	\$1 m - \$5 m
Security, Safety & Gas Solutions Office	Gas Solutions	Direct Purchase Obsolete Gas Meter Replacement	\$1 m - \$5 m
Security, Safety & Gas Solutions Office	Gas Solutions	Install & Remove Gas Service <800CFH (Cubic Feet per Hour)	\$1 m - \$5 m
Security, Safety & Gas Solutions Office	Gas Solutions	Install & Remove Gas Service >800CFH (Cubic Feet per Hour)	\$1 m - \$5 m
Security, Safety & Gas Solutions Office	Gas Solutions	Civic Improvement Texas Department of Transportation (TXDOT) Reimbursable	\$1 m - \$5 m
Security, Safety & Gas Solutions Office	Gas Solutions	Civic Improvements - Other	< \$1 m
Security, Safety & Gas Solutions Office	Gas Solutions	Replace Steel & Plastic Mains	< \$1 m
Security, Safety & Gas Solutions Office	Gas Solutions	Direct Purchase Pre-Cap Gas Service Regulator	< \$1 m
Security, Safety & Gas Solutions Office	Gas Solutions	District Regulators	< \$1 m
Security, Safety & Gas Solutions Office	Gas Solutions	Direct Purchase Capital Tools-Equipment - Utilities/Gas Company (Gasco)	< \$1 m
Security, Safety & Gas Solutions Office	Gas Solutions	Generation Company (Genco) Construction of Gas Company (Gasco) Assets	< \$1 m
Security, Safety & Gas Solutions Office	Gas Solutions	Direct Purchase Advanced Metering Infrastructure (AMI) Modules	< \$1 m
Security, Safety & Gas Solutions Office	Gas Solutions	Install Gas Mains Apartments	< \$1 m
Security, Safety & Gas Solutions Office	Gas Solutions	Install New Gas Devices >800CFH (Cubic Feet per Hour)	< \$1 m
Security, Safety & Gas Solutions Office	Gas Solutions	City Gate Stations	< \$1 m
Security, Safety & Gas Solutions Office	Gas Solutions	Direct Purchase Pre-Cap Gas System Regulator	< \$1 m
Security, Safety & Gas Solutions Office	Gas Solutions	Gate Station Upgrades	< \$1 m
Security, Safety & Gas Solutions Office	Gas Solutions	Damaged Gas Main Replacements	< \$1 m
Security, Safety & Gas Solutions Office	Gas Solutions	Direct Purchase Pre-Cap Gas Commercial/Industrial Regulator	< \$1 m
Security, Safety & Gas Solutions Office	Gas Solutions	Military Base Conversion Gas - 20 year System Rehabilitation	< \$1 m
Security, Safety & Gas Solutions Office	Gas Solutions	Install Gas Mains Residential	< \$1 m
Security, Safety & Gas Solutions Office	Gas Solutions	Electronic Pressure Recorder (EPR) New Installation	< \$1 m
Security, Safety & Gas Solutions Office	Gas Solutions	Direct Purchase Encoder Receiver Transmitters (ERT) Modules	< \$1 m
Security, Safety & Gas Solutions Office	Fleet	Direct Purchase Vehicles	> \$10 m
Security, Safety & Gas Solutions Office	Fleet	Telematics	< \$1 m
Security, Safety & Gas Solutions Office	Fleet	Fleet Management Software	< \$1 m
Security, Safety & Gas Solutions Office	Fleet	Fleet Ops & Safety International Data Machines Corporation (IBM) Datacap Applications	< \$1 m
Other Business Areas	Other Business Areas	Reserve for PowerBundle & Transmission Interconnect Initiatives	> \$10 m
<b>Grand Total CPS Energy</b>			<b>\$ 714,300,200</b>

> \$10 m
\$5 m - \$10 m
\$1 m - \$5 m
< \$1 m