CALIFORNIA EDUCATIONAL FACILITIES AUTHORITY (AUTHORITY) BOND FINANCING PROGRAM

STANFORD UNIVERSITY

Sixth Amendment to Resolution No. 255 March 25, 2021

PRIOR AMOUNT APPROVED: \$300,000,000

April 24, 2008, as amended on March 17, 2010,

April 25, 2013, April 24, 2014, May 26, 2016,

PRIOR APPROVAL DATES: and February 28, 2019

Please see Attachment 2 to identify possible

FINANCING TEAM: conflicts of interest

LOCATION: Stanford, CA, Santa Clara County

<u>PURPOSE OF THE AMENDMENT:</u> Stanford University (Stanford) seeks Authority approval of a Sixth Amendment to Resolution No. 255 (the Resolution) to amend the authorized project list to include additional projects.

BACKGROUND: In April 2008, the Authority approved the Resolution for the benefit of Stanford, authorizing the issuance, from time to time, of tax-exempt commercial paper notes in an aggregate principal amount not to exceed, at any one time, \$300,000,000. Proceeds of such commercial paper notes were authorized to be used for the purposes of funding various capital projects. The Resolution was amended in March 2010, April 2013, April 2014, May 2016, and February 2019 to include additional projects to the authorized project list. At this time, Stanford requests the Authority's approval to amend the authorized project list to include additional projects, as identified in Attachment 1 of this Staff Report and Exhibit A of the Resolution.

<u>DUE DILIGENCE:</u> Staff has received and reviewed the Eligibility, Legal Review, Religious Affiliation Due Diligence, and CEQA documentation. All documentation satisfies the Authority's requirements.

RECOMMENDATION: Staff recommends that the Authority approve the Sixth Amendment to Resolution No. 255, subject to all prior provisions and conditions remaining unchanged and in full effect.

ATTACHMENT 1

Projects

	100	Giga	bytes	Border	Routers	Upgrade
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1050 Arastradero Behavioral and Functional Neuroscience Laboratory Renovation

1070 Arastradero Renovation

1070 Arastradero Tenant Improvements

1100 Welch Road Apartments

1215 Welch Road: New Building, Fit up, Tunnel & Utilities

1651 Page Mill Road Gray Lab

1701 Page Mill South Renovation

3145 Porter Drive Renovation

3172 Porter Drive Renovation

3180 Porter Drive Renovation

3180 Porter Tenant Improvements

680 Lomita - Wood Deck Rebuild

680 Lomita Balcony Rebuilds

Academic Equipment

Access Ramps

Accessible Parking

Accessible Pathways

Accessible Restrooms

Administrative Systems Infrastructure

All Gender Restroom Conversion

All Gender Restroom Conversion Lake House

Americans with Disabilities Act (ADA) compliance at various locations

Anne T. and Robert M. Bass Biology Research Building

(formerly New Biology Research Building)

Auxiliary Equipment

Backup/Storage Improvements

Barriers Removal

Belden Apartments Renewals in Monterey, CA

Bicycle and Pedestrian Paths & Lighting

Biomedical Innovation Building 1

Biomedical Innovation Building Fit-up Post Project Scope

Blackwelder - Exterior Renewal

Boiler Feed Water Piping Systems

Bonair Replacement Building

Bridge Complex for the Digital Future

Buckeye Lane shared service area

Building Access Door Refresh

Building Energy Retrofit Program

Building Expansions

Building Renovations

Cabrillo-Dolores Faculty Homes

Campus Central Management & Control System Upgrade

Campus Drive East Lake Water Line Replacement

Campus Drive West Domestic Water Replacement

Campus Energy Management Control System (EMCS) Upgrade

Campus Transit Improvements

Capital Utilities Program

Capital Utilities Program (CUP)

Capitalized Operational Improvements

Casper Quad Renovation

Center for Academic Medicine 1 Fitup Project

Center for Academic Medicine 1_Fitup DPM Cafe

Center for Academic Medicine (CAM) (formerly known as Clinical Excellence Center (CEC))

Central Energy Facility Chiller Plant Expansion

Central Energy Facility Cooling Tower Basin

Central Energy Facility Low Temperature Hot Water System Improvements

Central Energy Facility Substation Supervisory Control and Data Acquisition Upgrades

ChEM-H_Gray Laboratory

Childcare Center (Stock Farm Replacement)

Chilled Water Extensions

Chilled Water Heat Exchangers

Chilled Water Metering

Clark Center Whole Building Energy Retrofit Program

Client/Server Hardware

Cluster I Sewer Laterals Replacement

Communications & Networking Systems

Connectivity to Corporation for Education Network Initiatives in California Refresh

Copper Cable

COVID-19- Dining Hall Doors-Capitalized

Cowell-HighVolt Vault Relocation

CUP - All Other

CUP - Chilled Water

CUP - Creek/Pump Stations

CUP - Department Firewalls

CUP - Domestic Water

CUP - Fish Ladders

CUP - Hot Water

CUP - Information Technology (IT) & Communication Systems (CS)

CUP - Lake Water

CUP - Reservoirs

CUP - Sewer

CUP - Steam

CUP - Storm Drains

CUP utility system expansion and replacement

Data Center Firewall Refresh

Data Center Power and Cooling Improvements

Data Center Power and Cooling Upgrade/Improvements

Data Center Power Improvements

DC Plant Capacitor Refresh at Northwest Data Center and Communications Hub & Redwood City Electronic Communication Hub

Direct Current Power Infrastructure Upgrade

Deferred Maintenance Backlog

Deferred/Planned Maintenance

Departmental Firewall Refresh

Detector Microfabrication Facility at Stanford Linear Accelerator Center

Distributed Digital Control (DDC) Retrofit

Domestic Water (DW) Facilities

Domestic Water Facilities

Domestic Water Interiors/ Plumbing -Tie Upgrade

Domestic Water Inter-Tie Upgrade

Domestic Water Supervisory Control and Data Acquisition

Domestic Water Supervisory Control and Data Acquisition Improvements

Domestic Water Transmission

Drainage

Drainage System Upgrades

East Campus Infrastructure

East Campus Networking & Communication Redevelopment

El Camino Swale Rehabilitation

Electric Metering

Electric Motor Replacement

Electrical Upgrade Backlog Scope & Design

Electricity Metering Projects

Electronic Communications Hub (ECH)/Enterprise Data Center Cable & Conduit

Elevator Upgrade

Elevators

Emergency Generators and Fueling Project

Emergency Management & Control Systems (EMCS)

Emergency Operations Center and Electric Communication Hub Building

Emergency Support-Create Areas of Respite

Energy Management and Control System Capital Utilities Project

Energy Retrofit Program

Energy Retrofit Program - Arrillaga Family Sports Center Heating, Ventilation and Air Conditioning Upgrades

Enterprise Data Center Cable & Conduit (IT/AS)

Escondido Village Graduate Residences (EVGR) and Parking Garages

Escondido Village High-Rise Sprinklers Installation

Escondido Village Low-Rise Fire Alarm

Escondido Village Low-Rise Sewer Infrastructure Upgrade

Escondido Village Lowrises Sewer Line replacements

Escondido Village Midrises Equipment and Tank Renewal

Escondido Village Midrises Hot Water Tank Renewals

Escondido Village Studios Card Access

Escondido Village Thoburn Court Apartment Backlog

Exterior Backlog Scope & Design

Felt Lake Water Replacement

Fiber Cables

Fire Alarms

Forsythe - PDU -12 & PDU-13 Refresh

Forsythe - Power Distribution Units Refresh

Forsythe Controls Optimization

Forsythe Uninterruptable Power Supply Wet Cell Batteries Refresh

Furniture Fixture & Equipment (FF&E) & Vehicles

Furniture, Fixtures & Equipment (FF&E)

Meters and Backflows

Energy Management & Control System Capital Utilities Program

Galvez Street Strom Drain Upgrade

Gates Building Renovation

General Use Permit (GUP) Mitigation Projects

George P. Shultz Building

Governor's Corner EPC/Suites/Cottages Renovations

Governor's Corner Murray Backlog Renewals

Graduate Resiliency Initiative

Graduate School of Business Bio-Retention Renewal

Graduate School of Education Renovation & New Buildings- North & South

Green Earth Sciences Whole Building Energy Replacement Program Project

Heating, Ventilation, and Air Conditioning (HVAC)

Helium Recovery & Liquefaction

Hewlett Teaching Center (RTF/Quad) - Uninterruptable Power Supply Refresh

High Performance Computing Cluster Uplift

High Voltage Fault Indicators

High Voltage Infrastructure Upgrade

High Voltage Projects

High Voltage Replacements

High Voltage Supervisory Control and Data Acquisition (SCADA) Upgrades

Huang Engineering Center Distributed Digital Controls Upgrade

Information Technology & Communication Systems

Information Technology and Communication System Fiber: Coaches Corner

Information Technology and Communication System Fiber: Document Google Fiber

Information Technology and Communication System Fiber: Escondido Village Graduate Housing- Voice Gateways

Information Technology and Communication System Fiber: Escondido Village Graduate Residences - Building D

Information Technology and Communication System Fiber: Escondido Village Graduate Residences Pavilion

Information Technology and Communication System Fiber: Jasper Ridge

Information Technology and Communication System Fiber: Northwest Data Center and Communications Hub 1.2 to 1.3,1.5

Information Technology and Communication System Fiber: Northwest Data Center and Communications Hub to West Electronic Communications Hub

Information Technology and Communication System Fiber: Palo Alto VA Fiber

Information Technology and Communication System Fiber: Quad Electronic Communication Hub to Forsythe

Information Technology and Communication System Fiber: Roth Garage Single Mode

Information Technology and Communication System Fiber: Stanford West Single Mode

Information Technology and Communication Systems Conduit: Electioneer Road

Information Technology and Communication Systems Conduit: Jasper Ridge

Information Technology Services FF&E

Information Technology System (ITS) Communications Cable

Information Technology System (ITS) Communications Conduit

Information Technology System (ITS) Improvements

Information Technology System (ITS) Networking Systems Cable

Infrastructure Improvements

Infrastructure Upgrade

Integrated Cancer Center (ICC)

Interiors Backlog Scope & Design

Junipero Serra Blvd. Lake Water Line Replacement

Knob, Tube & Misc Scope and Design Projects

Lagunita Dining - Kitchen & Servery CIP

Lagunita Lakeside Refrigeration

Lagunita Stucco Restoration

Lagunita Wiremold Renewal

Lagunita Wiremold Replacement

Lake Houses Sewer Main Rehabilitation

Lake Water Filtration

Lake Water Heat Exchange

Lake Water Supervisory Control and Data Acquisition

Lasuen Domestic Water Replacement

Lasuen Escondido Main Quad Domestic Water

Lasuen Knob & Tube and Miscellaneous Upgrades

Lasuen Lake Water Replacement

Lasuen Mall Domestic Water Replacement

Lasuen Mall Lake Water Replacement

Lasuen Mall Sewer

Lasuen Mall Sewer Replacement

Lasuen Mall Storm Drain Upgrade

Li Ka Shing Center Renovation

Life Safety and Code Compliance - Fire Sprinklers

Life Safety and Code Compliance and Miscellaneous Upgrades

Life Safety and Code Compliance Backlog

Life Safety and Code Compliance Backlog Stern Elevator

Life Safety and Code Compliance Fire Alarms

Living/Learning Upgrades

Loading Docks

Lokey CZ Biohub Laboratory Renovation

Lokey Whole Building Energy Retrofit Program Project

Main Quad Domestic Water Replacement

Main Quad Sanitary Sewer Replacement

Main Quad Storm Drains Replacement

McCullough Distributed Digital Control Upgrade

Mechanical, electrical, and plumbing (MEP), Sewer & Exterior Infrastructure

Meters & Backflow Preventer

Meters & Backflows

Middle Plaza at 500 El Camino – Residential (formerly known as 500 El Camino Real)

Mirrielees A-Wing Asset Renewals

Munger Market Remote Refrigeration

Network Refresh (Managed Machine Room) at Livermore, West Electronic Communications Hub, East Electronic Communications Hub

Network Refresh (Managed Machine Room): West Electronic Communications Hub, East Electronic Communications Hub

Network Special

Network Taps

Network Taps Refresh

Network-Backbone

Networking Load Balancer Refresh

Networking Load Balancer System

Neuro/ChEM-H Fitup

New Buildings

New Dining & Kitchens and Renovations

New Wells & Rehabilitations

Newark Hub

On Campus Photovoltaics

Photovoltaics Power Generation

Physics-Astrophysics Heating, Ventilation & Air Conditioning Upgrades

Plug-in Vehicle Infrastructure

Process Steam Submetering

Pump Stations

Quad 14 Exterior LED Lights

Quad 2 Exterior LED Lights

Rains Renovation

Recycled Water System

Refrigerant Leak Alarm System

Renovation/Construction/Relocation of administrative Office Space (R&DE)

Renovations and Seismic Projects

Replace Beckman Transformer

Replace Cable 12F8 Feeder

Replace Heating, Ventilation, and Air Conditioning System 401 Quarry

Replacement Boiler Plant

Replacement Central Energy Facility Site Camera and Card Reader Addition

Reservoir 1 Pump Station Piping

Reservoir 2 Improvements

Reservoir 2 Pump Station Replacement

Residential & Dining Enterprises (R&DE) Capitalized Operational Improvements

Residential & Dining Enterprises (R&DE) Deferred Maintenance Backlog projects

Residential & Dining Enterprises (R&DE) Major Renovation Plan (formally Capital Project Program (CPP) and Capital Improvement Program (CIP))

Stanford University Page A1-7 Sixth Amendment to Resolution No. 255 Residential & Dining Enterprises (R&DE) Major Renovation Plan Projects Program (formally Capital Project Program (CPP) and Capital Improvement Program (CIP))

Residential & Dining Enterprises Maintenance Center and Annex Renovation

Residential Computing Wireless

Roads

Roof Replacement

Roofs and Maintenance Equipment Backlog Scope & Design

San Juan Hill Sewer Replacement

Sanitary Sewer Instrumentation

Sanitary Sewer Lift Station Replacement

Sanitary Sewer Rehabilitation

Santa Teresa Domestic Water

Service Center Equipment

Sewer and Domestic Water Line Replacement

Site Improvements

Slab Heating Replacement

Slavianskii Dom Heating System Renewal

Software Systems

Solar Photovoltaic Modules

School of Medicine Small & Strategic Projects

Special Fast Track Cable

Spilker Distributed Digital Controls Upgrade

Stanford ChEM-H and Stanford Neuro Sciences Building (aka ChEM-H /

Neuro research complex)

Stanford Guest House Room Refurbishment

Stanford in Redwood City

Stanford Infrastructure Program (SIP)

Stanford Research Computing Facility - Backbone & Firewall Refresh

Stanford Research Computing Facility - Server & Storage Refresh

Stanford Research Computing Facility Module 2 (SRCF M2)

Steam Metering

Storm Drainage Capital Improvements Program

Storm Runoff Intercept Facilities Implementation Plan

Student Computing Infrastructure (Farmshare)

Telco Battery Refresh at Stanford in Redwood City

Telco Battery Refresh Bonair Escondido Communications Hub

Telco Battery Refresh Jenkins Escondido Communications Hub

Telco Battery Refresh Medical Electronic Communications Hub

Telco Battery Refresh Northwest Data Center & Communication Hub

Terman Whole Building Energy Retrofit Program Project

Theta Delta Chi Wood Deck Rebuild

Theta Delta Chi-Wood Stair Replacement

Under Graduate Resiliency Initiatives

Uninterruptable Power Supply at Press Electronic Communications Hub (UPS-1,2)

Uninterruptable Power Supply Battery Refresh: Forsythe, Northwest Data Center and

Communications Hub, Stanford in Redwood City

Uninterruptable Power Supply Capacitor Refresh

Uninterruptable Power Supply Refresh at Quad & Puichon

Uninterruptable Power Supply Refresh near East Electronic Communications Hub

Uninterruptable Power Supply Refresh West Electronic Communications Hub

Uninterrupted Power Supply Refresh- at Puichon Hall

Uninterruptible Power Supply Refresh at Quad/ Regional Teaching Facility Electronic Communications Hub University Information Technology Communications Copper Cable

University Information Technology Communications Services Conduit

University Information Technology Network Systems Network Backbone Refresh

University Information Technology Networking Systems Fiber Cable

Via Ortega Sewer Replacement

Via Ortega Storm Drain Replace

Via Ortega/Pueblo Domestic Water Replace

Well Chlorination

Wells to Campus Domestic Water Replacement

Wells to Campus Lake Water Replace

West Campus Detention Facilities

West Campus Drive Domestic Water

Wi-Fi Implementation in Parking Structures

Wi-Fi Network Redesign - Lyman & Munger

Wireless Infrastructure Upgrade

Wiremold Replacement

Zone 2 Domestic Water Main Replacement

ATTACHMENT 2

Financing Team

Stanford University

Borrower: The Board of Trustees of the Leland

Stanford Junior University

Agent for Sale: California State Treasurer

Issuer's Counsel: Office of the Attorney General

Issuer's Municipal Advisor: KNN Public Finance, LLC

Bond Counsel: Orrick, Herrington & Sutcliffe LLP

Dealers: Goldman Sachs & Co. LLC

Barclays Capital Inc.

Borrower's Counsel: Ropes and Gray, LLP

Paying Agent: US Bank, N.A.

Rating Agencies: Moody's Investors Service, Inc.

Standard & Poor's Financial Services, LLC

Fitch Ratings, Inc.

Auditor: PricewaterhouseCoopers LLP

SIXTH AMENDMENT TO RESOLUTION NO. 255

RESOLUTION OF THE CALIFORNIA EDUCATIONAL FACILITIES AUTHORITY AMENDING THE PROJECTS SET FORTH IN RESOLUTION NO. 255, AS AMENDED, AUTHORIZING THE ISSUANCE FROM TIME TO TIME OF COMMERCIAL PAPER REVENUE NOTES TO FINANCE AND/OR TO REFINANCE EDUCATIONAL FACILITIES FOR THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY

March 25, 2021

WHEREAS, the California Educational Facilities Authority (the "Authority"), a public instrumentality of the State of California, is authorized and empowered by the provisions of the California Educational Facilities Authority Act (the "Act") to issue bonds, notes, debentures or other securities, including commercial paper notes, to finance and refinance the acquisition, construction, expansion, rehabilitation, remodeling, renovation and equipping of educational facilities by participating private colleges (as defined in the Act) situated within the State of California;

WHEREAS, The Board of Trustees of the Leland Stanford Junior University (the "Borrower") applied to the Authority for the issuance of its commercial paper notes in an aggregate principal amount not to exceed \$300,000,000 (the "Commercial Paper Notes"), to be issued from time to time on behalf of the Borrower to provide financial assistance to the Borrower to finance and refinance the acquisition, construction, expansion, rehabilitation, remodeling, renovation and equipping of certain of the Borrower's educational facilities, as more fully described in Exhibit A attached to and incorporated in the Commercial Paper Resolution and the Amendments to the Resolution (each as defined below) (collectively, the "Prior Projects");

WHEREAS, the Authority authorized the Commercial Paper Notes with the adoption of Resolution No. 255 on April 24, 2008 (the "Commercial Paper Resolution");

WHEREAS, on March 17, 2010, on April 25, 2013, on April 24, 2014, on May 26, 2016, and on February 28, 2019, the Authority adopted resolutions amending the projects described in Exhibit A attached to the Commercial Paper Resolution (collectively, the "Amendments to the Resolution");

WHEREAS, the Borrower has determined that it is desirable to amend the projects for which the Commercial Paper Notes will be issued from time to time on behalf of the Borrower to provide financial assistance to the Borrower to finance and refinance the acquisition, construction, expansion, rehabilitation, remodeling, renovation and equipping of certain of the Borrower's educational facilities, more fully described in Exhibit A attached hereto and incorporated herein (the "Projects"); and

WHEREAS, the Borrower has provided documentation to the Authority demonstrating that all parts of the Projects have complied with Division 13 (commencing with Section 21000) of the Public Resources Code, or are not projects under that division;

NOW, THEREFORE, BE IT RESOLVED by the California Educational Facilities Authority as follows:

<u>Section 1</u> The Commercial Paper Resolution, as amended by the Amendments to the Resolution, is hereby supplemented and amended as follows: Exhibit A, which describes the Prior Projects, as attached to the Commercial Paper Resolution, as amended by the Amendments to the Resolution, and referred to in the fourth WHEREAS clause of the Commercial Paper Resolution, shall be amended by Exhibit A, which describes the Projects, attached hereto and incorporated herein.

<u>Section 2</u> Except as herein amended and supplemented, all of the findings, terms and provisions of the Commercial Paper Resolution, as amended by the Amendments to the Resolution, are hereby ratified, confirmed and approved.

Section 3 The provisions of the Authority's Resolution No. 2020-01 apply to the documents and actions approved in the Commercial Paper Resolution, as amended by the Amendments to the Resolution.

	Section 4	This	amendment	shall	take	effect	from	and	after	the	date	of
adoption.												

Date of Adoption

EXHIBIT A

PROJECTS DESCRIPTION

"Projects" means, collectively, all of the projects listed in Exhibit A to the original Commercial Paper Resolution, as amended by the Amendments to the Resolution, which are incorporated herein by reference, plus the following additional educational facilities of the Borrower, but only to the extent that the cost thereof has been financed or refinanced from proceeds of the Commercial Paper Notes:

- 100 Giga bytes Border Routers Upgrade
- 1050 Arastradero Behavioral and Functional Neuroscience Laboratory Renovation
- 1070 Arastradero Renovation
- 1070 Arastradero Tenant Improvements
- 1100 Welch Road Apartments
- 1215 Welch Road: New Building, Fit up, Tunnel & Utilities
- 1651 Page Mill Road Gray Lab
- 1701 Page Mill South Renovation
- 3145 Porter Drive Renovation
- 3172 Porter Drive Renovation
- 3180 Porter Drive Renovation
- 3180 Porter Tenant Improvements
- 680 Lomita Wood Deck Rebuild
- 680 Lomita Balcony Rebuilds

Academic Equipment

Access Ramps

Accessible Parking

Accessible Pathways

Accessible Restrooms

Administrative Systems Infrastructure

All Gender Restroom Conversion

All Gender Restroom Conversion Lake House

Americans with Disabilities Act (ADA) compliance at various locations

Anne T. and Robert M. Bass Biology Research Building

(formerly New Biology Research Building)

Auxiliary Equipment

Backup/Storage Improvements

Barriers Removal

Belden Apartments Renewals in Monterey, CA

Bicycle and Pedestrian Paths & Lighting

Biomedical Innovation Building 1

Biomedical Innovation Building Fit-up Post Project Scope

Blackwelder - Exterior Renewal

Boiler Feed Water Piping Systems

Bonair Replacement Building

Bridge Complex for the Digital Future

Buckeye Lane shared service area

Building Access Door Refresh

Building Energy Retrofit Program

Building Expansions

Building Renovations

Cabrillo-Dolores Faculty Homes

Campus Central Management & Control System Upgrade

Campus Drive East Lake Water Line Replacement

Campus Drive West Domestic Water Replacement

Campus Energy Management Control System (EMCS) Upgrade

Campus Transit Improvements

Capital Utilities Program

Capital Utilities Program (CUP)

Capitalized Operational Improvements

Casper Quad Renovation

Center for Academic Medicine 1 Fitup Project

Center for Academic Medicine 1 Fitup DPM Cafe

Center for Academic Medicine (CAM) (formerly known as Clinical Excellence Center (CEC))

Central Energy Facility Chiller Plant Expansion

Central Energy Facility Cooling Tower Basin

Central Energy Facility Low Temperature Hot Water System Improvements

Central Energy Facility Substation Supervisory Control and Data Acquisition Upgrades

ChEM-H_Gray Laboratory

Childcare Center (Stock Farm Replacement)

Chilled Water Extensions

Chilled Water Heat Exchangers

Chilled Water Metering

Clark Center Whole Building Energy Retrofit Program

Client/Server Hardware

Cluster I Sewer Laterals Replacement

Communications & Networking Systems

Connectivity to Corporation for Education Network Initiatives in California Refresh

Copper Cable

COVID-19- Dining Hall Doors-Capitalized

Cowell-HighVolt Vault Relocation

CUP - All Other

CUP - Chilled Water

CUP - Creek/Pump Stations

CUP - Department Firewalls

CUP - Domestic Water

CUP - Fish Ladders

CUP - Hot Water

CUP - Information Technology (IT) & Communication Systems (CS)

CUP - Lake Water

CUP - Reservoirs

CUP - Sewer

CUP - Steam

CUP - Storm Drains

CUP utility system expansion and replacement

Data Center Firewall Refresh

Data Center Power and Cooling Improvements

Data Center Power and Cooling Upgrade/Improvements

Data Center Power Improvements

DC Plant Capacitor Refresh at Northwest Data Center and Communications Hub & Redwood City Electronic Communication Hub

Direct Current Power Infrastructure Upgrade

Deferred Maintenance Backlog

Deferred/Planned Maintenance

Departmental Firewall Refresh

Detector Microfabrication Facility at Stanford Linear Accelerator Center

Distributed Digital Control (DDC) Retrofit

Domestic Water (DW) Facilities

Domestic Water Facilities

Domestic Water Interiors/ Plumbing -Tie Upgrade

Domestic Water Inter-Tie Upgrade

Domestic Water Supervisory Control and Data Acquisition

Domestic Water Supervisory Control and Data Acquisition Improvements

Domestic Water Transmission

Drainage

Drainage System Upgrades

East Campus Infrastructure

East Campus Networking & Communication Redevelopment

El Camino Swale Rehabilitation

Electric Metering

Electric Motor Replacement

Electrical Upgrade Backlog Scope & Design

Electricity Metering Projects

Electronic Communications Hub (ECH)/Enterprise Data Center Cable & Conduit

Elevator Upgrade

Elevators

Emergency Generators and Fueling Project

Emergency Management & Control Systems (EMCS)

Emergency Operations Center and Electric Communication Hub Building

Emergency Support-Create Areas of Respite

Energy Management and Control System Capital Utilities Project

Energy Retrofit Program

Energy Retrofit Program - Arrillaga Family Sports Center Heating, Ventilation and Air Conditioning Upgrades Enterprise Data Center Cable & Conduit (IT/AS)

Escondido Village Graduate Residences (EVGR) and Parking Garages

Escondido Village High-Rise Sprinklers Installation

Escondido Village Low-Rise Fire Alarm

Escondido Village Low-Rise Sewer Infrastructure Upgrade

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Escondido Village Studios Card Access

Escondido Village Thoburn Court Apartment Backlog

Exterior Backlog Scope & Design

Felt Lake Water Replacement

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Fire Alarms

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Forsythe Uninterruptable Power Supply Wet Cell Batteries Refresh

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Graduate School of Education Renovation & New Buildings- North & South

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Heating, Ventilation, and Air Conditioning (HVAC)

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Hewlett Teaching Center (RTF/Quad) - Uninterruptable Power Supply Refresh

High Performance Computing Cluster Uplift

High Voltage Fault Indicators

High Voltage Infrastructure Upgrade

High Voltage Projects

High Voltage Replacements

High Voltage Supervisory Control and Data Acquisition (SCADA) Upgrades

Huang Engineering Center Distributed Digital Controls Upgrade

Information Technology & Communication Systems

Information Technology and Communication System Fiber: Coaches Corner

Information Technology and Communication System Fiber: Document Google Fiber

Information Technology and Communication System Fiber: Escondido Village Graduate Housing- Voice Gateways

Information Technology and Communication System Fiber: Escondido Village Graduate Residences - Building D

Information Technology and Communication System Fiber: Escondido Village Graduate Residences Pavilion

Information Technology and Communication System Fiber: Jasper Ridge

Information Technology and Communication System Fiber: Northwest Data Center and Communications Hub 1.2 to 1.3,1.5

Information Technology and Communication System Fiber: Northwest Data Center and Communications Hub to West Electronic Communications Hub

Information Technology and Communication System Fiber: Palo Alto VA Fiber

Information Technology and Communication System Fiber: Quad Electronic Communication Hub to Forsythe

Information Technology and Communication System Fiber: Roth Garage Single Mode

Information Technology and Communication System Fiber: Stanford West Single Mode

Information Technology and Communication Systems Conduit: Electioneer Road

Information Technology and Communication Systems Conduit: Jasper Ridge

Information Technology Services FF&E

Information Technology System (ITS) Communications Cable

Information Technology System (ITS) Communications Conduit

Information Technology System (ITS) Improvements

Information Technology System (ITS) Networking Systems Cable

Infrastructure Improvements

Infrastructure Upgrade

Integrated Cancer Center (ICC)

Interiors Backlog Scope & Design

Junipero Serra Blvd. Lake Water Line Replacement

Knob, Tube & Misc Scope and Design Projects

Lagunita Dining - Kitchen & Servery CIP

Lagunita Lakeside Refrigeration

Lagunita Stucco Restoration

Lagunita Wiremold Renewal

Lagunita Wiremold Replacement

Lake Houses Sewer Main Rehabilitation

Lake Water Filtration

Lake Water Heat Exchange

Lake Water Supervisory Control and Data Acquisition

Lasuen Domestic Water Replacement

Lasuen Escondido Main Quad Domestic Water

Lasuen Knob & Tube and Miscellaneous Upgrades

Lasuen Lake Water Replacement

Lasuen Mall Domestic Water Replacement

Lasuen Mall Lake Water Replacement

Lasuen Mall Sewer

Lasuen Mall Sewer Replacement

Lasuen Mall Storm Drain Upgrade

Li Ka Shing Center Renovation

Life Safety and Code Compliance - Fire Sprinklers

Life Safety and Code Compliance and Miscellaneous Upgrades

Life Safety and Code Compliance Backlog

Life Safety and Code Compliance Backlog Stern Elevator

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Lokey Whole Building Energy Retrofit Program Project

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Mechanical, electrical, and plumbing (MEP), Sewer & Exterior Infrastructure

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Meters & Backflows

Middle Plaza at 500 El Camino – Residential (formerly known as 500 El Camino Real)

Mirrielees A-Wing Asset Renewals

Munger Market Remote Refrigeration

Network Refresh (Managed Machine Room) at Livermore, West Electronic Communications Hub, East Electronic Communications Hub

Network Refresh (Managed Machine Room): West Electronic Communications Hub, East Electronic Communications Hub

Network Special

Network Taps

Network Taps Refresh

Network-Backbone

Networking Load Balancer Refresh

Networking Load Balancer System

Neuro/ChEM-H Fitup

New Buildings

New Dining & Kitchens and Renovations

New Wells & Rehabilitations

Newark Hub

On Campus Photovoltaics

Photovoltaics Power Generation

Physics-Astrophysics Heating, Ventilation & Air Conditioning Upgrades

Plug-in Vehicle Infrastructure

Process Steam Submetering

Pump Stations

Quad 14 Exterior LED Lights

Quad 2 Exterior LED Lights

Rains Renovation

Recycled Water System

Refrigerant Leak Alarm System

Renovation/Construction/Relocation of administrative Office Space (R&DE)

Renovations and Seismic Projects

Replace Beckman Transformer

Replace Cable 12F8 Feeder

Replace Heating, Ventilation, and Air Conditioning System 401 Quarry

Replacement Boiler Plant

Replacement Central Energy Facility Site Camera and Card Reader Addition

Reservoir 1 Pump Station Piping

Reservoir 2 Improvements

Reservoir 2 Pump Station Replacement

Residential & Dining Enterprises (R&DE) Capitalized Operational Improvements

Residential & Dining Enterprises (R&DE) Deferred Maintenance Backlog projects

Residential & Dining Enterprises (R&DE) Major Renovation Plan (formally Capital Project Program (CPP) and Capital Improvement Program (CIP))

Residential & Dining Enterprises (R&DE) Major Renovation Plan Projects Program (formally Capital Project Program (CPP) and Capital Improvement Program (CIP))

Residential & Dining Enterprises Maintenance Center and Annex Renovation

Residential Computing Wireless

Roads

Roof Replacement

Roofs and Maintenance Equipment Backlog Scope & Design

San Juan Hill Sewer Replacement

Sanitary Sewer Instrumentation

Sanitary Sewer Lift Station Replacement

Sanitary Sewer Rehabilitation

Santa Teresa Domestic Water

Service Center Equipment

Sewer and Domestic Water Line Replacement

Site Improvements

Slab Heating Replacement

Slavianskii Dom Heating System Renewal

Software Systems

Solar Photovoltaic Modules

School of Medicine Small & Strategic Projects

Special Fast Track Cable

Spilker Distributed Digital Controls Upgrade

Stanford ChEM-H and Stanford Neuro Sciences Building

(aka ChEM-H / Neuro research complex)

Stanford Guest House Room Refurbishment

Stanford in Redwood City

Stanford Infrastructure Program (SIP)

Stanford Research Computing Facility - Backbone & Firewall Refresh

Stanford Research Computing Facility - Server & Storage Refresh

Stanford Research Computing Facility Module 2 (SRCF M2)

Steam Metering

Storm Drainage Capital Improvements Program

Storm Runoff Intercept Facilities Implementation Plan

Student Computing Infrastructure (Farmshare)

Telco Battery Refresh at Stanford in Redwood City

Telco Battery Refresh Bonair Escondido Communications Hub

Telco Battery Refresh Jenkins Escondido Communications Hub

Telco Battery Refresh Medical Electronic Communications Hub

Telco Battery Refresh Northwest Data Center & Communication Hub

Terman Whole Building Energy Retrofit Program Project

Theta Delta Chi Wood Deck Rebuild

Theta Delta Chi-Wood Stair Replacement

Under Graduate Resiliency Initiatives

Uninterruptable Power Supply at Press Electronic Communications Hub (UPS-1,2)

Uninterruptable Power Supply Battery Refresh: Forsythe, Northwest Data Center and Communications Hub, Stanford in Redwood City

Uninterruptable Power Supply Capacitor Refresh

Uninterruptable Power Supply Refresh at Quad & Puichon

Uninterruptable Power Supply Refresh near East Electronic Communications Hub

Uninterruptable Power Supply Refresh West Electronic Communications Hub

Uninterrupted Power Supply Refresh- at Puichon Hall

Uninterruptible Power Supply Refresh at Quad/ Regional Teaching Facility Electronic Communications Hub

University Information Technology Communications Copper Cable

University Information Technology Communications Services Conduit

University Information Technology Network Systems Network Backbone Refresh

University Information Technology Networking Systems Fiber Cable

Via Ortega Sewer Replacement

Via Ortega Storm Drain Replace

Via Ortega/Pueblo Domestic Water Replace

Well Chlorination

Wells to Campus Domestic Water Replacement

Wells to Campus Lake Water Replace

West Campus Detention Facilities

West Campus Drive Domestic Water

Wi-Fi Implementation in Parking Structures

Wi-Fi Network Redesign - Lyman & Munger

Wireless Infrastructure Upgrade

Wiremold Replacement

Zone 2 Domestic Water Main Replacement