

**CALIFORNIA EDUCATIONAL FACILITIES AUTHORITY (AUTHORITY)
BOND FINANCING PROGRAM**

STANFORD UNIVERSITY

Second Amendment to and Reinstatement of Resolution No. 323

April 27, 2023

PRIOR AMOUNT APPROVED:	\$816,830,000
NEW PROPOSED AMOUNT:	\$1,042,230,000
PRIOR APPROVAL DATES:	February 28, 2019 & March 25, 2021
FINANCING TEAM:	Please see Attachment 2 to identify possible conflicts of interest
LOCATION:	Stanford, CA, Santa Clara County

PURPOSE OF THE SECOND AMENDMENT AND REINSTATEMENT: Stanford University (Stanford) seeks to authorize a second amendment to and reinstatement of Resolution No. 323 as follows:

- Reinstatement Resolution No. 323 and extend the expiration date to April 27, 2025;
- Increase the authorized issuance amount to \$1,042,230,000; and
- Amend the authorized project list to include additional projects, as identified in Attachment 1.

BACKGROUND: In February 2019, the Authority approved Resolution No. 323 for the benefit of Stanford, authorizing the issuance of one or more series of revenue bonds to finance and refinance the acquisition, construction, expansion, rehabilitation, remodeling, renovation and equipping of certain educational facilities. Resolution No. 323 was approved for an amount not to exceed \$600,000,000, with an expiration date of February 28, 2020. Subsequently, the Authority issued Stanford's Series V-1 bonds in April 2019 in the amount of \$441,830,000. In March 2021, the Authority approved a first amendment to and reinstatement of Resolution No. 323 to increase the authorization to \$816,830,000, extend the expiration date to March 2023, and to update the project list, and subsequently, the Authority issued Stanford's Series V-2 bonds in April 2021 in the amount of \$300,400,000.

Stanford is now seeking approval of a second amendment to and reinstatement of Resolution No. 323 (the Second Amendment) for the authorization to issue additional bonds under the Series V designation. The Second Amendment will increase the authorization to \$1,042,230,000, extend the expiration date to April 2025, and update the project list. Additional bonds issued under the V Series will be used to finance and refinance authorized projects, refund commercial paper issued by the Authority for Stanford that was used to pay the Series T-5 bonds at maturity, and pay the costs of issuance. A full list of the additional projects is included in the updated project list as Attachment 1 to this staff report.

(RM)

FINANCIAL STATUS: Stanford's income statement appears to display strong operating results over the review period, posting an operating surplus of approximately \$11 million in FY 2022. Operating revenues grew from over \$6.1 billion in FY 2020 to over \$6.8 billion in FY 2022. Increased student enrollment largely from pandemic-related deferrals and associated room and board revenues resulted in an increase of over \$207 million in student income from FY 2021 to FY 2022. Sponsored support, which is revenue from contracts and grants received from federal, state, and local governments for research conducted by Stanford, grew about \$178 million, from approximately \$1.6 billion in FY 2020 to nearly \$1.8 billion in FY 2022.

Even though FY 2022 total revenues grew by 9% over FY 2021, operating expenses increased at a faster rate of 10%, which resulted in an 89% decrease in net income from operating activities compared to FY 2021. Stanford's operating expenses grew from approximately \$6.2 billion in FY 2021 to approximately \$6.8 billion in FY 2022. The increase in expenses was a response to the impact of COVID-19 and due to inflation. Stanford increased salaries and benefits for staff and faculty, increased grants for postdoctoral and graduate students, increased faculty housing assistance, and provided transitional housing assistance for post-doctoral students to assist students and faculty who experienced affordability issues. Salaries and benefits, which equate to approximately 64% of Stanford's total operating expenses, increased from approximately \$4.0 billion in FY 2020 to nearly \$4.4 billion in FY 2022. Overall, expenses increased once operational activities recommenced after being suspended during the COVID-19 pandemic. Despite the increased expenses, Stanford continues to remain financially stable with over \$50 billion in net assets at the end of FY 2022.

Stanford's balance sheet appears to display a strong ability to service its debt, displaying an operating debt service coverage ratio of 1.6x in FY 2022. With the proposed bond issuance, Stanford appears to remain in a strong position to repay its debt, displaying a pro-forma debt service coverage ratio from operations of 1.5x. Stanford's pro-forma debt to expendable net assets ratio of 0.2x indicates its ability to comfortably acquire the new debt, with expendable net assets growing from approximately \$22.7 billion in FY 2020 to approximately \$27.4 billion in FY 2022.

Stanford's indicators of financial liquidity and long-term investments appear to be strong, with cash and cash equivalents growing from approximately \$1.2 billion to approximately \$1.4 billion over the review period. Total net assets increased from approximately \$40.3 billion FY 2020 to \$50.4 billion in FY 2022.

DUE DILIGENCE: Staff has received and reviewed the Eligibility, Legal Review, the California Environmental Quality Act documentation, and the certification for the Iran Contracting Act. All documentation satisfies the Authority's requirements.

RECOMMENDATION: Staff recommends that the Authority approve the Second Amendment to and Reinstatement of Resolution No. 323 for Stanford University, subject to all prior provisions and conditions remaining unchanged and in full effect. TAP International, Inc., the Authority's financial analyst, and KNN Public Finance LLC, the Authority's municipal advisor, concur with the Authority's staff recommendation.

Stanford University
Statement of Activities
Unrestricted (in thousands)
(Income Statement)

	For the years ended August 31,		
	2022	2021	2020
Operating Revenues:			
Student income	\$ 715,465	\$ 507,923	\$ 610,172
Sponsored support	1,799,707	1,681,260	1,621,880
Health care services	1,486,187	1,379,019	1,278,646
Current year gifts in support of operations	272,812	288,110	289,908
Net assets released from restrictions	294,662	329,927	243,923
Investment income distributed for operations	1,742,175	1,731,388	1,642,194
Special program fees and other income	539,338	386,138	420,363
Total operating revenues	<u>6,850,346</u>	<u>6,303,765</u>	<u>6,107,086</u>
Operating Expenses:			
Salaries and benefits	4,373,184	4,041,029	3,962,140
Depreciation	487,509	470,184	437,194
Other operating expenses	1,978,379	1,689,090	1,666,591
Total operating expenses	<u>6,839,072</u>	<u>6,200,303</u>	<u>6,065,925</u>
Change in net assets from operating activities	<u>11,274</u>	<u>103,462</u>	<u>41,161</u>
Non-operating Activities:			
Increase (decrease) in reinvested gains	(449,755)	4,468,169	516,024
Donor advised funds, net	34,611	3,395	61,723
Current year gifts not included in operations	5,053	408	2,026
Equity and fund transfers, net	182,342	150,027	135,339
Capital and other gifts released from restrictions	30,230	42,188	296,492
Pension and other postemployment benefit	92,527	101,474	96,287
Transfer from (to) net assets with donor restrictions, net	(70,233)	(75,080)	(128,935)
Swap interest and change in value of swap agreements	18,542	7,077	(8,314)
Gain on extinguishment of debt	-	-	-
Non-controlling interest	26,893	19,056	20,847
Other	(5,252)	(3,257)	(411)
Net change in net assets without donor restrictions	<u>(123,768)</u>	<u>4,816,919</u>	<u>1,032,239</u>
Net assets with donor restrictions			
Gifts and pledges, net	1,437,387	998,134	684,985
Increase (decrease) in reinvested gains	(1,243,613)	4,676,143	484,730
Change in value of split-interest agreements, net	(59,444)	119,227	14,414
Net assets released to operations	(294,662)	(329,927)	(243,923)
Capital and other gifts released to net assets without donor restrictions	(30,230)	(42,188)	(296,492)
Gift transfers, net	38,435	(3,050)	(334)
Transfer from (to) net assets without donor restrictions, net	70,233	75,080	128,935
Other	(3,737)	516	189
Net change in assets with donor restrictions	<u>(85,631)</u>	<u>5,493,935</u>	<u>772,504</u>
Net change in total net assets	<u>(209,399)</u>	<u>10,310,854</u>	<u>1,804,743</u>
Total Net Assets, beginning of year	<u>50,616,236</u>	<u>40,305,382</u>	<u>38,500,639</u>
Total Net Assets, end of year	<u>\$ 50,406,837</u>	<u>\$ 50,616,236</u>	<u>\$ 40,305,382</u>

Stanford University
Statement of Financial Position (in thousands)
(Balance Sheet)

	At August 31,		
	<u>2022</u>	<u>2021</u>	<u>2020</u>
Assets			
Cash and cash equivalents	\$ 1,355,180	\$ 874,943	\$ 1,153,303
Accounts receivable, net	296,138	241,706	233,644
Receivables from Stanford Health Care and Lucile Salter Packard Children's Hospital at Stanford, net	31,379	42,841	12,282
Prepaid expenses and other assets	94,164	91,075	101,999
Pledges receivable, net	1,986,880	1,550,314	1,369,417
Student loans receivable, net	37,524	42,699	46,089
Faculty and staff mortgages and other loans receivable, net	984,106	892,098	829,262
Assets limited as to use	397,926	453,452	253,391
Investments at fair value	46,473,800	48,001,081	37,574,583
Right-of-use assets	713,251	621,791	673,926
Plant facilities, net of accumulated depreciation	7,903,923	7,683,172	7,685,710
Works of art and special collections	-	-	-
Total assets	<u>\$ 60,274,271</u>	<u>\$ 60,495,172</u>	<u>\$ 49,933,606</u>
Liabilities and Net Assets			
Liabilities			
Accounts payable and accrued expenses	\$ 983,033	\$ 985,760	\$ 931,274
Liabilities associated with investments	863,746	974,756	1,002,896
Lease liabilities	743,180	640,206	683,234
Deferred income and other obligations	1,680,817	1,620,905	1,386,649
Accrued pension and postretirement benefit obligations	442,820	513,460	597,951
Notes and bonds payable	5,153,838	5,143,849	5,003,552
U.S. government refundable loan funds	-	-	22,668
Total liabilities	<u>9,867,434</u>	<u>9,878,936</u>	<u>9,628,224</u>
Net Assets			
Without donor restrictions	27,378,445	27,502,213	22,685,294
With donor restrictions	23,028,392	23,114,023	17,620,088
Total net assets	<u>50,406,837</u>	<u>50,616,236</u>	<u>40,305,382</u>
Total liabilities and net assets	<u>\$ 60,274,271</u>	<u>\$ 60,495,172</u>	<u>\$ 49,933,606</u>

	Proforma			
	<u>FYE 8/31/2022 ^(a)</u>	<u>2022</u>	<u>2021</u>	<u>2020</u>
Debt service coverage (x) - operations	1.50	1.63	1.19	1.62
Debt service coverage (x) - net assets	1.19	1.30	8.82	4.17
Debt to expendable net assets (x)	0.22	0.22	0.21	0.25
Expendable net assets to operations (x)	4.00	4.00	4.44	3.74
Margins	0.2%	0.2%	1.6%	0.7%

^(a) Recalculates FY 2022 results to include the impact of the proposed financing.

ATTACHMENT 1

Project

“Project” means, the Prior Projects, in addition to the 2023 Project.

“2023 Project” means the projects listed below but only to the extent that the cost thereof has been financed or refinanced from proceeds of the Bonds.

100 Giga bytes Border Routers Upgrade
1215 Welch Road: New Building, Fit up, Tunnel & Utilities
1215 Welch Road: Surge Projects/Buildings
1215 Welch Surge_Alway Renovation
1215 Welch Surge_Beckman Renovation
1215 Welch Surge_Edwards Renovation
1215 Welch Surge_Lane Renovation
1215 Welch Surge_Medical school lab surge Renovation
1215 Welch Surge_Research Animal Facility Renovation
1701 Page Mill South Renovation
3172 Porter Drive Renovation
3174 Porter Drive Lab Renovation
3176 Porter New Lease, Wet Lab
3180 Porter Drive Renovation
4kV to 12kV Distribution System Conversion
Academic Equipment
Access Ramps
Accessible Parking
Accessible Pathways
Accessible Restrooms
Administrative Systems Infrastructure
All Gender Restroom Conversion
All Gender Restroom Conversion Lake House
All-Gender and Deferred Maintenance/Backlog Scope - Cowell Cluster (Kappa Alpha Theta, Delta Delta Delta, and Pi Beta Phi)
Americans with Disabilities Act (ADA) compliance at various locations
Auxiliary Equipment
Backup/Storage Improvements
Barriers Removal
Bicycle and Pedestrian Paths & Lighting
Biomedical Innovation Building Fit-up Post Project Scope
Blackwelder - Exterior Renewal
Boiler Feed Water Piping Systems
Bonair Replacement Building
Bowdoin Storm Drains Replacement
Branner Resident Fellow Apartment Renovation
Building Access Door Refresh

Building Energy Retrofit Program
Building Expansions
Building Monitoring Upgrade
Building Renovations
Bus Charging Resiliency
Cabrillo-Dolores Faculty Homes
Campus Central Management & Control System Upgrade
Campus Drive East Lake Water Line Replacement
Campus Drive West Domestic Water Replacement
Campus Drive West sanitary Sewer Replacement
Campus Drive/Lomita Court Domestic Water Replacement
Campus Energy Management Control System (EMCS) Upgrade
Campus Energy Management Control System Upgrade
Campus Transit Improvements
Capital Utilities Program (CUP)
Capitalized Operational Improvements
Card Access
Cardinal Apartments
Casper Lot Domestic Water Replacement
Casper Quad Major Renovation
Center for Academic Med (CAM) - Cafe & Fitup
Center for Academic Medicine (CAM) (Formerly known as Clinical Excellence Center CEC)
Center for Academic Medicine 1 Fitup Project
Central Energy Facility Central Plant Optimization Infrastructure
Central Energy Facility Chiller Plant Expansion
Central Energy Facility Cooling Tower Basin
Central Energy Facility Low Temperature Hot Water System Improvements
Central Energy Facility Server Hardware Upgrades
Central Energy Facility Substation Supervisory Control and Data Acquisition Upgrades
Childcare Center (Stock Farm Replacement)
Chilled Water Extensions
Chilled Water Heat Exchangers
Chilled Water Metering
Clark Center Renovations
Client/Server Hardware
Clinical Trials area at 1070 Arastradero Road
Cluster I Sewer Laterals Replacement
Communications & Networking Systems
Comparative Medicine Pavilion BSL3 Lab Renovation
Connectivity to Corporation for Education Network Initiatives in California Refresh
Copper Cable
Cowell Replace Transformers
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 System Expansion and CUP System Replacement
Data Center Firewall Refresh
Data Center Power and Cooling Upgrade/Improvements
Data Center Power Improvements
Data Science and Computation Complex (formerly Bridge Complex for the Digital Future)
Deferred Maintenance Backlog
Deferred/Planned Maintenance
Demolition T045B Transformer
Department Firewalls Refresh
Detector Microfabrication Facility at Stanford Linear Accelerator Center
Detention Facilities
Direct Current Plant Capacitor Refresh at Northwest Data Center and Communications Hub & Redwood
City Electronic Communication Hub
Direct Current Power Infrastructure Upgrade- West Electronic Communication Hub
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
Electric Reliability Improvements Project
Electrical Distribution Improvement
Electrical Smart Meters
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
Energy Efficiency Projects
Energy Management & Control System Capital Utilities Program
Energy Management and Control System Capital Utilities Project
Energy Retrofit Program
Energy Retrofit Program - Arrillaga Family Sports Center Heating, Ventilation and Air Conditioning Upgrades
Energy Retrofit Program Rebate: Lokey Fume Hoods
Enterprise Data Center Cable & Conduit (IT/AS)
Escondido Village (Serra) Domestic Water Replacement
Escondido Village Blackwelder & Quillen Renovations
Escondido Village Blackwelder Renovation
Escondido Village Graduate Residence - Office of Accessible Education Improvements
Escondido Village Graduate Residence Pavilion Emergency Generator
Escondido Village Graduate Residences (EVGR) and Parking Garages
Escondido Village High-Rise Sprinklers Installation
Escondido Village Hulme Court - A1 Apartment Renewals
Escondido Village Hulme Court - B Apartment Backlog
Escondido Village Hulme Court Apartment Renewals/ Backlogs
Escondido Village Low-Rise Sewer Infrastructure Upgrade
Escondido Village Lowrises Sewer Line replacements
Escondido Village Midrise Renovations - Abrams
Escondido Village Quillen Major Renovation
Escondido Village Sanitary Sewer Replacement Buildings 81-83
Escondido Village Studios Card Access
Escondido Village Thoburn Court Apartment Backlog
Escondite Cottage Exterior Renewal
Exterior Backlog Scope & Design
Felt Lake Line Replacement
Felt Lake Water Replacement
Fiber Cables
Fire Alarms
Forsythe - Power Distribution Units -12 & Power Distribution Units-13 Refresh
Forsythe Controls Optimization
Forsythe Hall Power Distribution Units Replacement
Forsythe Uninterruptible Power Supply-3 Battery Refresh
Furniture, Fixture & Equipment (FF&E) & Vehicles
Galvez Domestic Water
Galvez Street Storm Drain Upgrade
General Use Permit (GUP) Mitigation Projects
Gerhard Casper Dining Commons Expansion
Gerona Domestic Water Replacement

Governor's Corner Major Renovation: Elliott Program Center, Cottage, Dining
Governor's Corner Murray Backlog Renewals
Governors Corner Sterling Quad Roof Equipment
Governor's Corner Yost Backlog Renewals
Graduate Community Center Project
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
High Volt Serra Street Electrical Reliability Improvement
High Volt Shultz Cable Replacement
High Volt Wall Map Upgrade
High Voltage Fault Indicators
High Voltage Infrastructure Projects
High Voltage Infrastructure Upgrade
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: Barn/Golf Single Mode Fiber
Information Technology and Communication System Fiber: Escondido Village Graduate Housing-
Voice Gateways
Information Technology and Communication System Fiber: Maples to Police
Information Technology and Communication System Fiber: New Land Building and Real Estate
Building
Information Technology and Communication System Fiber: Northwest Data Center and
Communications Hub 1.2 to 1.15
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 Stanford Children's Hospital 1.0
Information Technology and Communication System Fiber: Northwest Data Center and
Communications Hub to West Electronic Communications Hub
Information Technology and Communication System Fiber: Press to Tresidder
Information Technology and Communication System Fiber: Roth Garage Single Mode
Information Technology and Communication System Fiber: USA Marking
Information Technology and Communication Systems Conduit: Electioneer Road
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
Information Technology System Fiber: East Electronic Communication Hub 1.2 to 1.7
Infrastructure Improvements
Infrastructure Upgrade
Integrated Cancer Center (ICC)

Interiors Backlog Scope & Design
Investment in Technical Infrastructure
Jane Stanford Way & Arguello Lake Water Replacement
Jane Stanford Way and Arguello Way Sanitary Sewer Replacement
Jane Stanford Way Chilled Water Replacement
Jane Stanford Way Domestic Water Replacement
Jane Stanford Way Lake Water Replacement
Jane Stanford Way Storm Drains Lomita to Lasuen
Jerry Renovation
Jerry Yang and Akiko Yamazaki Environment and Energy Building Distributed Digital Controls Upgrade
Junipero Serra Blvd. Lake Water Line Replacement
Knob, Tube & Misc Scope and Design Projects
Lagunita Dining - Kitchen & Servery CIP
Lagunita Residence Fire Alarm Equipment
Lagunita Stucco Restoration
Lake Houses Sewer Main Rehabilitation
Lake Water Filtration
Lake Water Heat Exchange
Lake Water Supervisory Control and Data Acquisition
Lake/Groundwater Heat Exchange (LWHE)
Lasuen Domestic Water Replacement
Lasuen Knob & Tube and Miscellaneous Upgrades
Lasuen Mall Domestic Water Replacement
Lasuen Mall Lake Water Replacement
Lasuen Mall Sewer
Lasuen Mall Storm Drain
Lathrop Drive Domestic Water Main
Lausen Mall Sewer Replacement
LED Lights Improvements
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 Chan Zuckerberg Biohub Laboratory Renovation
Lokey Whole Building Energy Retrofit Program Project
Lomita Drive Sewer Replacement
Lomita/Jane Stanford Way Sewer Replacement
Main Quad Domestic Water Replacement
Main Quad Sanitary Sewer Replacement
Main Quad Storm Drains Replacement
Main-quad Lake Water Replacement

Mayfield Avenue (Faculty Staff Housing) Domestic Water Replacement
Mayfield Campus Drive Sanitary Sewer Upgrade
Mayfield/Campus Drive Storm Drain Upgrade
Mayfield/Campus Round Domestic Water Replacement
Meters & Backflow Preventer
Meters & Backflows
Middle Plaza at 500 El Camino – Residential (formerly known as 500 El Camino Real)
Mirada Dolores Campus
Mirrielees A-Wing Asset Renewals
Mirrielees B Wing Renovation
Mirrielees C Wing Renovation
Narnia Renovation
Network Special
Network Taps
Network Taps Refresh
Network-Backbone
Networking Load Balancer Refresh
Networking Load Balancer System
Neuro/ChEM-H Fit up
Neuro-ChEM-H Building Renovations
New Buildings
New Dining & Kitchens and Renovations
New Faculty Lab - Barnes
New Water Wells Siting Investigation
New Wells & Rehabilitations
Newark Hub
Northwest Data Center and Communications Building Monitoring Upgrade
Northwest Data Center and Communications Hub Power Upgrade
Northwest Data Center and Communications Hub Uninterruptible Power Supply Electrical Upgrade
Oak Creek Apartments Renovations
On Campus Photovoltaics
Panama Mall Chilled Water Replacement
Paul Allen Clean Room Controls
Photovoltaics Power Generation
Physics-Astrophysics Heating, Ventilation & Air Conditioning Upgrades
Plug-in Vehicle Infrastructure
Power Upgrade
Process Steam Submetering
Pump Stations
Quad 1 Exterior LED Lights
Quad 14 Exterior LED Lights
Quad 2 Exterior LED Lights
Quad 3 Exterior LED Lights
Quad 6 & 7 Exterior LED Lights
Quad 8 Exterior LED lights

Rains Renovation
Recycled Water System
Refrigerant Leak Alarm System
Renew Blackwelder Transformer
Renovation/Construction/Relocation of administrative Office Space (R&DE)
Renovations and Seismic Projects
Replace Beckman Transformer
Replace Chilled Water Pipe Lasuen Mall
Replace Durand Transformer
Replace Quillen Transformer
Replace Switch Fairchild
Replacement Boiler Plant
Replacement Central Energy Facility Site Camera and Card Reader Addition
Reservoir 1 Pump Station/Piping
Reservoir 2 Improvements
Residential & Dining Enterprise (R&DE) Capitalized Operational Improvements
Residential & Dining Enterprise (R&DE) Deferred Maintenance Backlog projects
Residential & Dining Enterprise (R&DE) Major Renovation Plan (formally Capital Project Program (CPP) and Capital Improvement Program (CIP))
Residential & Dining Enterprise (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
ResX Room Reconfigurations
Roads
Roof Replacement
Roofs and Maintenance Equipment Backlog Scope & Design
Row & Centers Fire Alarm Equipment
San Francisquito Creek Pump Station Modification
San Juan Hill Sewer Replacement
Sanitary Sewer Rehabilitation
Santa Teresa Domestic Water
Santa Ynez/San Juan Street Sanitary Sewer Replacement
School of Medicine Small & Strategic Projects- On Campus
Security Cameras
Service Center Equipment
Sewer and Domestic Water Line Replacement
Shultz Building Sewer Replacement
Shultz Building Storm Replacement
Site Improvements
Slab Heating Replacement
Software Systems
Solar Photovoltaic Modules
Special Fast Track Cable
Spilker Distributed Digital Controls Upgrade
Stanford Guest House Room Refurbishment

Stanford in Redwood City
Stanford in Redwood City- University Information Technology Refresh
Stanford Infrastructure Program (SIP)
Stanford Research and Computing Facility Module
Stanford Research Computing Center Infrastructure: Facility Power & Storage
Stanford Research Computing Facility - Backbone & Firewall Refresh
Stanford Research Computing Facility - Server & Storage Refresh
Stanford Research Computing Facility M1 N+1 Equipment Install
Steam Metering
Steam Plant Platforms
Stern Dining Equipment
Stock Farm Service Yard
Storm Drain Improvements
Storm Drain Upgrades
Storm Drainage
Storm Drainage Capital Improvements Program
Storm Drainage System Analyses
Storm Drainage System Renewal
Storm Drains
Storm Drains Campus
Storm Runoff Intercept Facilities Implementation Plan
Student Computing Infrastructure (Farmshare)
Student Residence Telephone Replacement
SUNet Backbone Refresh
Supervisory Control and Data Acquisition (SCADA)
Supervisory Control and Data Acquisition (SCADA) System Upgrade
Teaching Labs & Learning Center
Telco Battery Refresh at Stanford in Redwood City
The Lorry I. Lokey Stem Cell Research (SIM1) F0 Behavioral Suite Renovation
Trails
Undergraduate Housing and Dining Master Plan
Underground Utilities Infrastructure Improvements
Uninterruptible Power Supply (UPS)
Uninterruptible Power Supply at Press Electronic Communications Hub (UPS-1,2)
Uninterruptible Power Supply Battery Refresh: Forsythe, Northwest Data Center and Communications
Hub, Stanford in Redwood City
Uninterruptible Power Supply Capacitor Refresh
Uninterruptible Power Supply Refresh at Quad/ Regional Teaching Facility Electronic Communications Hub
Uninterruptible Power Supply Refresh near East Electronic Communications Hub
Uninterruptible Power Supply Refresh near East Electronic Communications Hub & West Electronic Communications Hub
Uninterruptible Power Supply Refresh West Electronic Communications Hub
University Information Technology Communications Copper Cable
University Information Technology Communications Services Conduit

University Information Technology Copper: East Campus New Electronic Communications Hub
University Information Technology Fiber: 750 Welch Single Mode
University Information Technology Fiber: East Campus New Electronic Communications Hub
University Information Technology Fiber: Escondido Village Unit #86 Single Mode
University Information Technology Fiber: Northwest Data Center and Communication Hub 1.2 to 1.5
University Information Technology Fiber: Northwest Data Center and Communications Hub to Beckman
University Information Technology Fiber: Northwest Data Center and Communications Hub to Li Ka Shing Center
University Information Technology Fiber: Northwest Data Center and Communications Hub to Medical school lab surge
University Information Technology Fiber: Northwest Data Center and Communications Hub to Stanford (Lucile Packard) Children's hospital
University Information Technology Fiber: Northwest Data Center Communication Hub to Stanford (Lucile Packard) Children's hospital Main
University Information Technology Fiber: Northwest Data Center Communication Hub to Stanford Linear Accelerator Center
University Information Technology Fiber: Row Houses Single Mode
University Information Technology Fiber: Stadium to Maples
University Information Technology Fiber: Stadium to Police
University Information Technology Fiber: Terminated spare strands
University Information Technology Fiber: University Terrace
University Information Technology Fiber: West to Spruce
University Information Technology Networking Systems Fiber Cable
University Information Technology WiFi for Underground Garages
University Information Technology: New Electronic Communications Hub Network gear
Upper Mayfield Sewer Replacement
Utility Metering, Billing, Reporting and Sustainability Systems Integration
Utility Upgrades Site & Safety Improvements
Via Ortega/Pueblo Domestic Water Replace
Visibility for Indoor Cellular Study & Pilot
Waste Collection System
Water Conservation & Recycling Plan Implementation
Water Conservation Program
Water Mains
Water Wells Rehabilitation
Welch Road Apartments Renovation
Wells to Campus Domestic Water Replacement
Wells to Campus Lake Water Replace
Whole Building Energy Retrofit Program (WBERP)
WiFi and IoT Firewalls
Wi-Fi Implementation and Enhancements
Wi-Fi Implementation in parking structures
Wi-Fi Redesign at Munger - Additional Funding
WiFi Redesign- Lyman & Munger

Wi-Fi Upgrades and Incremental Refresh
Wilbur Resident Fellow Sewer Lines
Wilbur Window Renewals
Wireless Infrastructure
Wireless Infrastructure Upgrade
Wiremold Replacement

Chemistry/Biology Utilities
Chemistry/Biology Building Phase I
Quarry Road/El Camino
Sand Hill Road - Road Design
Sand Hill Road – Apartments

ATTACHMENT 2

Financing Team for Stanford University

Second Amendment to and Reinstatement of Resolution No. 323

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
Issuer's Financial Analyst:	TAP International, Inc.
Bond Counsel:	Orrick, Herrington & Sutcliffe LLP
Lead Underwriter:	J.P. Morgan Securities LLC
Co-Managing Underwriter:	Morgan Stanley & Co. LLC
Underwriters' Counsel:	Hawkins Delafield & Wood LLP
Borrower's Counsel:	Ropes and Gray LLP
Trustee:	The Bank of New York Mellon Trust Company, N.A.
Trustee's Counsel:	Law Offices of Samuel D. Waldman
Rating Agencies:	Moody's Investors Service, Inc. S&P Global Ratings, LLC Fitch Ratings, Inc.
Auditor:	PricewaterhouseCoopers LLP

SECOND AMENDMENT TO AND REINSTATEMENT OF RESOLUTION NO. 323

RESOLUTION OF THE CALIFORNIA EDUCATIONAL FACILITIES AUTHORITY AUTHORIZING THE ISSUANCE OF REVENUE BONDS TO FINANCE AND/OR REFINANCE EDUCATIONAL FACILITIES FOR THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY

April 27, 2023

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 revenue bonds and to loan the proceeds thereof to a participating private college or a participating nonprofit entity (both as defined in the Act) for the acquisition or construction of projects (as defined in the Act), to refund existing bonds, mortgages, or advances or other obligations incurred, given, or made by a participating private college for the acquisition or construction of any projects, to loan the proceeds thereof to a participating private college for the purpose of refinancing projects not originally funded pursuant to the Act (including repayment of costs, as defined in the Act), and to refund existing bonds or notes of the Authority;

WHEREAS, The Board of Trustees of the Leland Stanford Junior University (the “Borrower”) is a trust with corporate powers existing under the laws of the State of California;

WHEREAS, the Borrower applied to the Authority for the issuance of one or more series of its revenue bonds in an aggregate principal amount not to exceed \$816,830,000 (the “Bonds”), to be issued from time to time on behalf of the Borrower to provide financial assistance to the Borrower to finance and/or refinance the acquisition, construction, expansion, rehabilitation, remodeling, renovation and equipping of certain educational facilities of the Borrower, such facilities being more fully described in Exhibit A attached to the Bond Resolution (as defined below) (the “Prior Projects”);

WHEREAS, pursuant to Resolution No. 323 adopted on February 28, 2019 (the “Original Resolution”), as amended by the First Amendment to and Reinstatement of Resolution No. 323, adopted on March 25, 2021 (as so amended and, the “Bond Resolution”), the Authority authorized the issuance of the Bonds for the Prior Projects;

WHEREAS, the Authority has issued a series of such Bonds, designated as its Revenue Bonds (Stanford University) Series V-1 in the aggregate principal amount of \$441,830,000, and its Revenue Bonds (Stanford University) Series V-2 in the aggregate principal amount of \$300,400,000, and expects to issue additional Bonds pursuant to the Bond Resolution;

WHEREAS, the Borrower subsequently applied to the Authority for the issuance of additional Bonds, in one or more series, from time to time on behalf of the Borrower to provide financial assistance to the Borrower to (i) refund commercial paper issued by the Authority for the Borrower that was used to pay at maturity the Authority’s Refunding Revenue Bonds (Stanford University) Series T-5, which financed certain educational facilities of the Borrower, (ii) finance

and/or refinance (including through the refunding of commercial paper and a revolving line of credit) the acquisition, construction, expansion, rehabilitation, remodeling, renovation and equipping of certain additional educational facilities of the Borrower (collectively, the “2023 Project”), such 2023 Project being more fully described in Exhibit A attached hereto and incorporated herein, and (iii) pay costs of issuance;

WHEREAS, to the extent required by subdivision (b) of Section 94212 of the Education Code, the Borrower has provided documentation to the Authority demonstrating, to the extent applicable, that the Project has complied with Division 13 (commencing with Section 21000) of the Public Resources Code or is not a “project” under such division;

WHEREAS, the Bond Resolution required that the Bonds be sold no later than March 25, 2023; and

WHEREAS, the Borrower has requested that the Authority reinstate the Bond Resolution, increase the authorized amount under the Bond Resolution to \$1,042,230,000, and extend the date for sale of the Bonds to be within two years of the date of adoption of this Second Amendment to and Reinstatement of Resolution No. 323;

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

Section 1. The Borrower’s application for additional financial assistance filed with the Authority is hereby approved.

Section 2. The Bond Resolution is hereby reinstated and is hereby supplemented and amended as follows:

(a) The definition of Project, appearing in the third WHEREAS clause of the Original Resolution and Exhibit A attached to the Bond Resolution, which refers to the Prior Projects, is amended to include the 2023 Project, as described in Exhibit A of this Second Amendment to and Reinstatement of Resolution No. 323, attached hereto and incorporated herein.

(b) The third WHEREAS clause of the Original Resolution is amended to replace the amount of \$816,830,000 with \$1,042,230,000.

(c) Section 1 of the Original Resolution is amended to replace the amount of \$816,830,000 with \$1,042,230,000.

(c) Section 2 of the Bond Resolution is amended to authorize an extension of time for the Treasurer to enter into agreements to sell the Bonds at any time within two years of the date of adoption of this Second Amendment to and Reinstatement of Resolution No. 323.

(d) Section 11 of the Bond Resolution is amended to delete the provision after the semi-colon such that it reads as follows: “The aggregate principal amount of California Educational Facilities Authority Revenue Bonds (Stanford University) Series V-2 originally issued shall not exceed \$375,000,000.”

(e) A new Section 13 is hereby added to the Bond Resolution as follows:

“Section 13. The aggregate principal amount of California Educational Facilities Authority Revenue Bonds (Stanford University) Series V-3 originally issued shall not exceed \$300,000,000; provided that such Bonds may also be originally issued in two or more series and each series shall be numbered from “V-3” upwards in its designation so long as the aggregate principal amount shall not exceed \$300,000,000.”

Section 3. The provisions of the Authority’s Resolution No. 2022-03 apply to the documents and actions approved in the Bond Resolution, as amended and reinstated by this Second Amendment to and Reinstatement of Resolution No. 323.

Section 4. Except as herein amended and supplemented, all of the findings, terms and provisions of the Bond Resolution are hereby ratified, confirmed and approved.

Section 5. This Second Amendment to and Reinstatement of Resolution No. 323 shall take effect from and after the date of adoption.

Date of Adoption: _____

EXHIBIT A

Project

“Project” means, the Prior Projects, in addition to the 2023 Project.

“2023 Project” means the projects listed below but only to the extent that the cost thereof has been financed or refinanced from proceeds of the Bonds.

100 Giga bytes Border Routers Upgrade
1215 Welch Road: New Building, Fit up, Tunnel & Utilities
1215 Welch Road: Surge Projects/Buildings
1215 Welch Surge_Alway Renovation
1215 Welch Surge_Beckman Renovation
1215 Welch Surge_Edwards Renovation
1215 Welch Surge_Lane Renovation
1215 Welch Surge_Medical school lab surge Renovation
1215 Welch Surge_Research Animal Facility Renovation
1701 Page Mill South Renovation
3172 Porter Drive Renovation
3174 Porter Drive Lab Renovation
3176 Porter New Lease, Wet Lab
3180 Porter Drive Renovation
4kV to 12kV Distribution System Conversion
Academic Equipment
Access Ramps
Accessible Parking
Accessible Pathways
Accessible Restrooms
Administrative Systems Infrastructure
All Gender Restroom Conversion
All Gender Restroom Conversion Lake House
All-Gender and Deferred Maintenance/Backlog Scope - Cowell Cluster (Kappa Alpha Theta, Delta Delta Delta, and Pi Beta Phi)
Americans with Disabilities Act (ADA) compliance at various locations
Auxiliary Equipment
Backup/Storage Improvements
Barriers Removal
Bicycle and Pedestrian Paths & Lighting
Biomedical Innovation Building Fit-up Post Project Scope
Blackwelder - Exterior Renewal
Boiler Feed Water Piping Systems
Bonair Replacement Building
Bowdoin Storm Drains Replacement
Branner Resident Fellow Apartment Renovation
Building Access Door Refresh
Building Energy Retrofit Program

Building Expansions
Building Monitoring Upgrade
Building Renovations
Bus Charging Resiliency
Cabrillo-Dolores Faculty Homes
Campus Central Management & Control System Upgrade
Campus Drive East Lake Water Line Replacement
Campus Drive West Domestic Water Replacement
Campus Drive West Sanitary Sewer Replacement
Campus Drive/Lomita Court Domestic Water Replacement
Campus Energy Management Control System (EMCS) Upgrade
Campus Energy Management Control System Upgrade
Campus Transit Improvements
Capital Utilities Program (CUP)
Capitalized Operational Improvements
Card Access
Cardinal Apartments
Casper Lot Domestic Water Replacement
Casper Quad Major Renovation
Center for Academic Med (CAM) - Cafe & Fitup
Center for Academic Medicine (CAM) (Formerly known as Clinical Excellence Center CEC)
Center for Academic Medicine 1 Fitup Project
Central Energy Facility Central Plant Optimization Infrastructure
Central Energy Facility Chiller Plant Expansion
Central Energy Facility Cooling Tower Basin
Central Energy Facility Low Temperature Hot Water System Improvements
Central Energy Facility Server Hardware Upgrades
Central Energy Facility Substation Supervisory Control and Data Acquisition Upgrades
Childcare Center (Stock Farm Replacement)
Chilled Water Extensions
Chilled Water Heat Exchangers
Chilled Water Metering
Clark Center Renovations
Client/Server Hardware
Clinical Trials area at 1070 Arastradero Road
Cluster I Sewer Laterals Replacement
Communications & Networking Systems
Comparative Medicine Pavilion BSL3 Lab Renovation
Connectivity to Corporation for Education Network Initiatives in California Refresh
Copper Cable
Cowell Replace Transformers
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 System Expansion and CUP System Replacement
Data Center Firewall Refresh
Data Center Power and Cooling Upgrade/Improvements
Data Center Power Improvements
Data Science and Computation Complex (formerly Bridge Complex for the Digital Future)
Deferred Maintenance Backlog
Deferred/Planned Maintenance
Demolition T045B Transformer
Department Firewalls Refresh
Detector Microfabrication Facility at Stanford Linear Accelerator Center
Detention Facilities
Direct Current Plant Capacitor Refresh at Northwest Data Center and Communications Hub & Redwood City Electronic Communication Hub
Direct Current Power Infrastructure Upgrade- West Electronic Communication Hub
Distributed Digital Control (DDC) Retrofit
Domestic Water (DW) 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
Electric Reliability Improvements Project
Electrical Distribution Improvement
Electrical Smart Meters
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
Energy Efficiency Projects
Energy Management & Control System Capital Utilities Program
Energy Management and Control System Capital Utilities Project
Energy Retrofit Program
Energy Retrofit Program - Arrillaga Family Sports Center Heating, Ventilation and Air Conditioning Upgrades
Energy Retrofit Program Rebate: Lokey Fume Hoods
Enterprise Data Center Cable & Conduit (IT/AS)
Escondido Village (Serra) Domestic Water Replacement
Escondido Village Blackwelder & Quillen Renovations
Escondido Village Blackwelder Renovation
Escondido Village Graduate Residence - Office of Accessible Education Improvements
Escondido Village Graduate Residence Pavilion Emergency Generator
Escondido Village Graduate Residences (EVGR) and Parking Garages
Escondido Village High-Rise Sprinklers Installation
Escondido Village Hulme Court - A1 Apartment Renewals
Escondido Village Hulme Court - B Apartment Backlog
Escondido Village Hulme Court Apartment Renewals/ Backlogs
Escondido Village Low-Rise Sewer Infrastructure Upgrade
Escondido Village Lowrises Sewer Line replacements
Escondido Village Midrise Renovations - Abrams
Escondido Village Quillen Major Renovation
Escondido Village Sanitary Sewer Replacement Buildings 81-83
Escondido Village Studios Card Access
Escondido Village Thoburn Court Apartment Backlog
Escondite Cottage Exterior Renewal
Exterior Backlog Scope & Design
Felt Lake Line Replacement
Felt Lake Water Replacement
Fiber Cables
Fire Alarms
Forsythe - Power Distribution Units -12 & Power Distribution Units-13 Refresh
Forsythe Controls Optimization
Forsythe Hall Power Distribution Units Replacement
Forsythe Uninterruptible Power Supply-3 Battery Refresh
Furniture Fixture & Equipment (FF&E) & Vehicles
Galvez Domestic Water
Galvez Street Strom Drain Upgrade
General Use Permit (GUP) Mitigation Projects
Gerhard Casper Dining Commons Expansion
Gerona Domestic Water Replacement
Governor's Corner Major Renovation: Elliott Program Center, Cottage, Dining
Governor's Corner Murray Backlog Renewals
Governors Corner Sterling Quad Roof Equipment

Governor's Corner Yost Backlog Renewals
Graduate Community Center Project
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
High Volt Serra Street Electrical Reliability Improvement
High Volt Shultz Cable Replacement
High Volt Wall Map Upgrade
High Voltage Fault Indicators
High Voltage Infrastructure Projects
High Voltage Infrastructure Upgrade
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: Barn/Golf Single Mode Fiber
Information Technology and Communication System Fiber: Escondido Village Graduate
Housing- Voice Gateways
Information Technology and Communication System Fiber: Maples to Police
Information Technology and Communication System Fiber: New Land Building and Real Estate
Building
Information Technology and Communication System Fiber: Northwest Data Center and
Communications Hub 1.2 to 1.15
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 Stanford Children's Hospital 1.0
Information Technology and Communication System Fiber: Northwest Data Center and
Communications Hub to West Electronic Communications Hub
Information Technology and Communication System Fiber: Press to Tresidder
Information Technology and Communication System Fiber: Roth Garage Single Mode
Information Technology and Communication System Fiber: USA Marking
Information Technology and Communication Systems Conduit: Electioneer Road
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
Information Technology System Fiber: East Electronic Communication Hub 1.2 to 1.7
Infrastructure Improvements
Infrastructure Upgrade
Integrated Cancer Center (ICC)
Interiors Backlog Scope & Design
Investment in Technical Infrastructure
Jane Stanford Way & Arguello Lake Water Replacement

Jane Stanford Way and Arguello Way Sanitary Sewer Replacement
Jane Stanford Way Chilled Water Replacement
Jane Stanford Way Domestic Water Replacement
Jane Stanford Way Lake Water Replacement
Jane Stanford Way Storm Drains Lomita to Lasuen
Jerry Renovation
Jerry Yang and Akiko Yamazaki Environment and Energy Building Distributed Digital Controls Upgrade
Junipero Serra Blvd. Lake Water Line Replacement
Knob, Tube & Misc Scope and Design Projects
Lagunita Dining - Kitchen & Served CIP
Lagunita Residence Fire Alarm Equipment
Lagunita Stucco Restoration
Lake Houses Sewer Main Rehabilitation
Lake Water Filtration
Lake Water Heat Exchange
Lake Water Supervisory Control and Data Acquisition
Lake/Groundwater Heat Exchange (LWHE)
Lasuen Domestic Water Replacement
Lasuen Knob & Tube and Miscellaneous Upgrades
Lasuen Mall Domestic Water Replacement
Lasuen Mall Lake Water Replacement
Lasuen Mall Sewer
Lasuen Mall Storm Drain
Lathrop Drive Domestic Water Main
Lausen Mall Sewer Replacement
LED Lights Improvements
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 Chan Zuckerberg Biohub Laboratory Renovation
Lokey Whole Building Energy Retrofit Program Project
Lomita Drive Sewer Replacement
Lomita/Jane Stanford Way Sewer Replacement
Main Quad Domestic Water Replacement
Main Quad Sanitary Sewer Replacement
Main Quad Storm Drains Replacement
Main-quad Lake Water Replacement
Mayfield Avenue (Faculty Staff Housing) Domestic Water Replacement
Mayfield Campus Drive Sanitary Sewer Upgrade
Mayfield/Campus Drive Storm Drain Upgrade

Mayfield/Campus Round Domestic Water Replacement
Meters & Backflow Preventer
Meters & Backflows
Middle Plaza at 500 El Camino – Residential (formerly known as 500 El Camino Real)
Mirada Dolores Campus
Mirrielees A-Wing Asset Renewals
Mirrielees B Wing Renovation
Mirrielees C Wing Renovation
Narnia Renovation
Network Special
Network Taps
Network Taps Refresh
Network-Backbone
Networking Load Balancer Refresh
Networking Load Balancer System
Neuro/ChEM-H Fit up
Neuro-ChEM-H Building Renovations
New Buildings
New Dining & Kitchens and Renovations
New Faculty Lab - Barnes
New Water Wells Siting Investigation
New Wells & Rehabilitations
Newark Hub
Northwest Data Center and Communications Building Monitoring Upgrade
Northwest Data Center and Communications Hub Power Upgrade
Northwest Data Center and Communications Hub Uninterruptible Power Supply Electrical Upgrade
Oak Creek Apartments Renovations
On Campus Photovoltaics
Panama Mall Chilled Water Replacement
Paul Allen Clean Room Controls
Photovoltaics Power Generation
Physics-Astrophysics Heating, Ventilation & Air Conditioning Upgrades
Plug-in Vehicle Infrastructure
Power Upgrade
Process Steam Submetering
Pump Stations
Quad 1 Exterior LED Lights
Quad 14 Exterior LED Lights
Quad 2 Exterior LED Lights
Quad 3 Exterior LED Lights
Quad 6 & 7 Exterior LED Lights
Quad 8 Exterior LED lights
Rains Renovation
Recycled Water System
Refrigerant Leak Alarm System

Renew Blackwelder Transformer
Renovation/Construction/Relocation of administrative Office Space (R&DE)
Renovations and Seismic Projects
Replace Beckman Transformer
Replace Chilled Water Pipe Lasuen Mall
Replace Durand Transformer
Replace Quillen Transformer
Replace Switch Fairchild
Replacement Boiler Plant
Replacement Central Energy Facility Site Camera and Card Reader Addition
Reservoir 1 Pump Station/Piping
Reservoir 2 Improvements
Residential & Dining Enterprise (R&DE) Capitalized Operational Improvements
Residential & Dining Enterprise (R&DE) Deferred Maintenance Backlog projects
Residential & Dining Enterprise (R&DE) Major Renovation Plan (formally Capital Project Program (CPP) and Capital Improvement Program (CIP))
Residential & Dining Enterprise (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
ResX Room Reconfigurations
Roads
Roof Replacement
Roofs and Maintenance Equipment Backlog Scope & Design
Row & Centers Fire Alarm Equipment
San Francisquito Creek Pump Station Modification
San Juan Hill Sewer Replacement
Sanitary Sewer Rehabilitation
Santa Teresa Domestic Water
Santa Ynez/San Juan Street Sanitary Sewer Replacement
School of Medicine Small & Strategic Projects- On Campus
Security Cameras
Service Center Equipment
Sewer and Domestic Water Line Replacement
Shultz Building Sewer Replacement
Shultz Building Storm Replacement
Site Improvements
Slab Heating Replacement
Software Systems
Solar Photovoltaic Modules
Special Fast Track Cable
Spilker Distributed Digital Controls Upgrade
Stanford Guest House Room Refurbishment
Stanford in Redwood City
Stanford in Redwood City- University Information Technology Refresh
Stanford Infrastructure Program (SIP)

Stanford Research and Computing Facility Module
Stanford Research Computing Center Infrastructure: Facility Power & Storage
Stanford Research Computing Facility - Backbone & Firewall Refresh
Stanford Research Computing Facility - Server & Storage Refresh
Stanford Research Computing Facility M1 N+1 Equipment Install
Steam Metering
Steam Plant Platforms
Stern Dining Equipment
Stock Farm Service Yard
Storm Drain Improvements
Storm Drain Upgrades
Storm Drainage
Storm Drainage Capital Improvements Program
Storm Drainage System Analyses
Storm Drainage System Renewal
Storm Drains
Storm Drains Campus
Storm Runoff Intercept Facilities Implementation Plan
Student Computing Infrastructure (Farmshare)
Student Residence Telephone Replacement
SUNet Backbone Refresh
Supervisory Control and Data Acquisition (SCADA)
Supervisory Control and Data Acquisition (SCADA) System Upgrade
Teaching Labs & Learning Center
Telco Battery Refresh at Stanford in Redwood City
The Lorry I. Lokey Stem Cell Research (SIM1) F0 Behavioral Suite Renovation
Trails
Undergraduate Housing and Dining Master Plan
Underground Utilities Infrastructure Improvements
Uninterruptable Power Supply (UPS)
Uninterruptible Power Supply at Press Electronic Communications Hub (UPS-1,2)
Uninterruptible Power Supply Battery Refresh: Forsythe, Northwest Data Center and
Communications Hub, Stanford in Redwood City
Uninterruptible Power Supply Capacitor Refresh
Uninterruptible Power Supply Refresh at Quad/ Regional Teaching Facility Electronic
Communications Hub
Uninterruptible Power Supply Refresh near East Electronic Communications Hub
Uninterruptible Power Supply Refresh near East Electronic Communications Hub & West
Electronic Communications Hub
Uninterruptible Power Supply Refresh West Electronic Communications Hub
University Information Technology Communications Copper Cable
University Information Technology Communications Services Conduit
University Information Technology Copper: East Campus New Electronic Communications Hub
University Information Technology Fiber: 750 Welch Single Mode
University Information Technology Fiber: East Campus New Electronic Communications Hub
University Information Technology Fiber: Escondido Village Unit #86 Single Mode

University Information Technology Fiber: Northwest Data Center and Communication Hub 1.2 to 1.5
University Information Technology Fiber: Northwest Data Center and Communications Hub to Beckman
University Information Technology Fiber: Northwest Data Center and Communications Hub to Li Ka Shing Center
University Information Technology Fiber: Northwest Data Center and Communications Hub to Medical school lab surge
University Information Technology Fiber: Northwest Data Center and Communications Hub to Stanford (Lucile Packard) Children's hospital
University Information Technology Fiber: Northwest Data Center Communication Hub to Stanford (Lucile Packard) Children's hospital Main
University Information Technology Fiber: Northwest Data Center Communication Hub to Stanford Linear Accelerator Center
University Information Technology Fiber: Row Houses Single Mode
University Information Technology Fiber: Stadium to Maples
University Information Technology Fiber: Stadium to Police
University Information Technology Fiber: Terminated spare strands
University Information Technology Fiber: University Terrace
University Information Technology Fiber: West to Spruce
University Information Technology Networking Systems Fiber Cable
University Information Technology WiFi for Underground Garages
University Information Technology: New Electronic Communications Hub Network gear
Upper Mayfield Sewer Replacement
Utility Metering, Billing, Reporting and Sustainability Systems Integration
Utility Upgrades Site & Safety Improvements
Via Ortega/Pueblo Domestic Water Replace
Visibility for Indoor Cellular Study & Pilot
Waste Collection System
Water Conservation & Recycling Plan Implementation
Water Conservation Program
Water Mains
Water Wells Rehabilitation
Welch Road Apartments Renovation
Wells to Campus Domestic Water Replacement
Wells to Campus Lake Water Replace
Whole Building Energy Retrofit Program (WBERP)
WiFi and IoT Firewalls
Wi-Fi Implementation and Enhancements
Wi-Fi Implementation in parking structures
Wi-Fi Redesign at Munger - Additional Funding
WiFi Redesign- Lyman & Munger
Wi-Fi Upgrades and Incremental Refresh
Wilbur Resident Fellow Sewer Lines
Wilbur Window Renewals
Wireless Infrastructure

Wireless Infrastructure
Wireless Infrastructure Upgrade
Wiremold Replacement

Chemistry/Biology Utilities
Chemistry/Biology Building Phase I
Quarry Road/El Camino
Sand Hill Road - Road Design
Sand Hill Road – Apartments