NOTICE OF PUBLIC HEARING

NOTICE IS HEREBY GIVEN that on February 27, 2019, the California Educational Facilities Authority (the "Authority") will hold a public hearing, as required by Section 147(f) of the Internal Revenue Code of 1986, with respect to the proposed issuance of tax-exempt revenue bonds and commercial paper pursuant to a plan of financing, on behalf of The Board of Trustees of the Leland Stanford Junior University (the "Borrower"), in an aggregate principal amount not to exceed \$900,000,000 for the purpose of paying the costs of issuing such obligations and financing or refinancing the costs of the following educational facilities, which are or will be owned and operated by the Borrower, and which are located or to be located at the following locations:

PROJECT LIST

Projects to be financed or refinanced:

I. Main Campus Area

The following facilities are located or to be located on or adjacent to the main campus area of the Borrower (the boundaries of which are El Camino Real, Page Mill Road, Junipero Serra Boulevard and Sand Hill Road) in the County of Santa Clara, California:

<u>Housing, Dining and Residential Projects</u>, consisting of new facilities, renovations, and related improvements, and replacements to existing facilities for graduate, undergraduate and faculty housing and dining, including but not limited to:

General improvements and renovations such as heating, ventilation, and air conditioning systems ("HVAC"); roofing; sprinkler systems and fire alarms; furniture, fixtures and equipment ("FFE"); mechanical, electrical, plumbing, slab heating, sewer and exterior infrastructure, utility upgrades; irrigation system upgrades; lighting; boilers; site and safety improvements including but not limited to: Governor's Corner Suites Improvements and Suites Dining Societies Key Card Access; Arrillaga Family Dining Commons Robotic Autobagger; Knob and Tube Replacement Projects including but not limited to: Dolores, Durand, French, Kairos, Lasuen, Lauren, Mars; Escondido Village projects including but not Slab Heating/Replacements, Renovations, limited to: South Interiors Renovation/Refresh, South Hot Water Line; Exterior LED Lights including but not limited to: Quad 1, Quad 2, Quad 3, Quad 6 & 7, Quad 8, Quad 14; Munger 4 Green Room Restroom; Rains Houses Renovation; Wilbur Dining Doors and Hardware; Residential & Dining Enterprises ("R&DE") Major Renovation Plan Projects (previously known as Capital Project Program "CPP" or Capital Improvements Program "CIP"); R&DE Capitalized Operational Improvements; R&DE Maintenance Operation Expansion; All-Gender Restroom Conversions, including but not limited to: Lake House; expansions, updates of bathrooms and elevators, kitchen renovations and upgrades, Americans with Disabilities Act ("ADA") projects and loading docks; R&DE Deferred Maintenance Backlog Reduction Initiative, consisting of 1) Life Safety and Code Compliance including without limitation: elevators - Stern; fire sprinklers - Escondido Village High Rise, Sigma Alpha Epsilon; fire alarms – Escondido Village Low Rise, Stern Burbank, Stern Twain East, Stern Twain North, Stern Larkin North, Stern Larkin West, Stern Donner, Stern Serra, Stern Zapata; 2) Exteriors/Windows including without limitation: Stern; 3) Roof and Maintenance Equipment and Construction including without limitation: Sigma Alpha Epsilon, Wilbur; 4) Electrical, including but not limited to: Synergy, Wiremold Replacements; 5) Interiors/Plumbing including without limitation: Synergy, Escondido Village South, Hammarskjold; and 6) Other Deferred/Planned Maintenance including Scope and Design, Maintenance Operation Expansion; Miscellaneous Upgrades, Backlog;

- New buildings, seismic upgrades, expansions, and renovations including but not limited to: Escondido Village Graduate Housing and Parking Garages, Searsville Undergraduate Housing and Dining, Lagunita Court Refurbishment, District Work Centers, New Residences at Lagunita Court (formerly Lagunita Court Addition), Renovation/Construction/Relocation of Administrative Office Space, Lagunita Stucco Restoration, Resident Fellow Apartment Expansion/Renovation including but not limited to: Casper-Kimball; Cabrillo-Dolores Faculty Homes, Escondido Village Low-Rise Kitchen and Bath Mockup, Manzanita Park Refurbishment (formerly Manzanita Refurbishment), Row Kitchen Renovations; Lagunita Infrastructure Upgrades, Roof Replacements including but not limited to: Escondite Cottage, Wilbur; Loading Docks and other Infrastructure Upgrades and Improvements;
- Energy Retrofit Program, Building Energy Retrofit Program, and Whole Building Energy Retrofit Program ("WBERP").

<u>Academic Facilities</u>, consisting of new facilities and renovations to existing facilities, related improvements and replacements, including but not limited to:

General improvements, new buildings, and renovations such as expansions, • upgrades, seismic upgrades and reconstruction, furniture, roof replacement, emergency generators, HVAC, fueling projects, loading docks and FFE in the following facilities, including but not limited to: 408 Panama Mall Office Building (formerly 408 Panama Building), Lorry I. Lokey Stem Cell Research Building, Physics-Astro HVAC Upgrades, Center for Academic Medicine, Medical School Office Building Renovation, Jen-Hsun Huang Engineering Center, Sapp Center for Science Teaching and Learning (formerly Science Teaching and Learning Center), Robotics Center (School of Engineering), Hohbach Hall, Denning House, Health Research Policy (HRP) Redwood Building Renovation, Home of Champions, Recreation Sport Court Center, George P. Shultz Building (New Hoover Institution Building), District Work Centers, Stanford Earth, Energy and Environmental Science Building, Graduate School of Education Renovation and New Buildings, Yang and Yamazaki Environment and Energy ("Y2E2") Building, Li Ka Shing Center for Learning and Knowledge ("LKSC") Building and Renovation, Bridge Building (New School of Engineering Building), Shriram Center for Bioengineering and Chemical Engineering (formerly BioE/ChemE), Stanford ChEM-H and the Wu Tsai (formerly, Stanford ChEM-H and the Stanford Neurosciences Institute (SNI)), Research Animal Facility Rehabilitation and Retrofit, Anne T. and Robert M. Bass Biology Research Building and Connective Elements, Central Loading Dock and Stauffer III Demolition, Bonair Replacement, Arrillaga Family Sports Center Backfill, Arrillaga Hall (formerly, Cardinal Hall), and ADA projects;

- Biomedical Innovation Building, Utilities, Seismic, Tunnel Infrastructure, Loading Docks, and related improvements;
- Environmental Health & Safety Facility Expansion, Environmental Health & Safety Facility Tenant/Occupant Improvements, Emergency Operations Center and Electronic Communications Hub, Emergency Generators and Fueling Project, Energy Retrofit Program, Building Energy Retrofit Program, and Whole Building Energy Retrofit Program ("WBERP") including but not limited to: Research Animal Facility Rehabilitation and Retrofit, Clark Center, Lorry I. Lokey, Terman, Keck, Green Earth Sciences, and Medical School Lab Surge Glass Wash Variable Air Volume System.

<u>Infrastructure Projects</u> consisting of a variety of projects and programs proposed and developed for the betterment and general support of the University's academic community and physical plant including but not limited to:

Capital Utilities Program ("CUP") including electrical, steam, water, chilled water, chilled water extensions, chilled water heat exchangers, water collection system, chilled water metering, hot water, steam metering, water/sewer (including domestic water, lake water, sewer, reservoirs and creek/pump stations), storm drains, wastewater, water mains, lines, loops, recycled water system, fish ladders, lake water filtration, firewalls, electric metering, electricity metering, electrical smart meters, utility system expansion and replacement, water conservation and recycling, new water wells and rehabilitations, General Use Permit ("GUP") mitigation projects, Information Technology and Communication systems, deferred/planned maintenance and others: Specific CUP projects including but not Utility Relocation. Distributed limited to: Panama Street Digital Control/Retrofit/Upgrade, including but not limited to: Alumni Center, Durand, N4, Spilker, Wallenberg Hall; Biology/ Chemistry Quad Utilities, Boiler Feed Water Piping Systems, Fremont Road Longitudinal Welded Pipe Upgrade, West Campus Detention Facilities, Domestic Water Facilities, Casper Domestic Hot Water System Renewal, Escondido Village Domestic Water Lateral Replacement, Salvatierra St. Domestic Water Replacement, Lake Water Supervisory Control and Data Acquisition, Building Energy Retrofit Program, Utility Metering, Billing, Reporting and Sustainability System Integration, High Voltage Infrastructure Upgrades and High Voltage Transmission System Improvements, High Voltage Replacements, High Voltage Infrastructure for ChEM-H, Quarry Road High Voltage Service Upgrade, High Voltage Intertie, McCullough Energy Efficiency, Hot Water Pipe Via Ortega, Via Pueblo, Campus Hot Water – Galvez to Arguello, Campus Drive at Galvez Domestic Water, Sweet Hall/Galvez Lake Water Upgrade, Galvez Mall and Law School Lake Water, Galvez Mall Lake Water Pipe/Replacement, Golf Course Lake Water Line Replacement, Golf to Felt Lake Water Line Replacement, Junipero Serra Boulevard Lake Water Line Replacement Fremont to Lake Lagunita, Junipero Serra Boulevard Lake Water Lake Lagunita to East Campus East, Junipero Serra Boulevard Lake Water Line Replacement, Escondido Road Lake Water, Water Wells Rehabilitation, Meters and Backflows, Domestic Water Inter-tie Upgrade, Main Quad Domestic Water Replacement, Miranda Ave Domestic Water System Reconfiguration and Upgrade, Domestic Water System Bowdoin Pressure Reducing Valve Stations, Campus Drive East Domestic Water Replacement, Campus Drive East Lake Water Line Replacement, Felt Lake Water Line Replacement, Campus Drive West Domestic Water Replacement, Domestic Hot Water Improvements for Memorial Auditorium, Durand Domestic Hot Water System Renewal, Kingscote/Denning Hot Water/Chilled Water, Lasuen Escondido Main Quad Domestic Water, Lasuen Lake Water Replacement, Serra Mall Domestic Water Replacement, Meters and Backflow Preventer, Munger Domestic Hot Water Heat Exchanger Modifications, North-South Axis to Roth Domestic Water Replacement, North-South Axis Domestic Water Replacement, Panama Mall Lake Water (LW) Replacement, Stern Complex Basement Piping, Storey Domestic Hot Water System Renewal, Zone 2 Domestic Water Main Replacement, Water Conservation Program, Domestic Water Supervisory Control and Data Acquisition, Central Energy Facility (CEF) and Energy Management Improvements including but not limited to: Eyewash Showers, Site Improvement/Pump House, Low Temperature Hot Water System Improvements; East Campus Infrastructure;

- Stanford Infrastructure Program ("SIP") connective elements, including campus and transportation projects for the improvement and general support of the university's academic community and physical plant including without limitation waste collection systems, site improvements, access ramps, accessible parking, pathways and restrooms, roads; specific projects including but not limited to: barrier removal, bicycle and pedestrian paths, lighting, trails, roads;
- Storm Drains including improving and expanding the capacity of the campus storm drainage system, replacing deteriorated pipes, and improving drainage around buildings, specific projects include but are not limited to: Galvez Street Storm Drain Upgrade, El Camino Swale Rehab, Arguello Way Storm Drain Upgrade, Campus Drainage Improvements, Faculty Staff Housing Storm Drain Improvements, Graduate School of Business Bio-Retention Renewal, and Stanford Ave. Storm Drain Replacement;
- Sewer projects including without limitation the following: sewer upgrades and replacements, sanitary sewer upgrades, sanitary sewer rehabilitation, sanitary sewer instrumentation, chilled water filtration drainage and detention basins, ditches, pumping stations, water monitoring stations, electric, steam and water meters, pipelines, boilers, incinerators, bio-waste facilities, reclaimed water projects, plumbing, electrical systems including metering and motor replacements; specific projects including but not limited to: Sewer and Domestic Water Line Replacement, Escondido Village Low Rise Sewer Infrastructure, Escondido Village Sewer Infrastructure Upgrades, Duena Sanitary Sewer

Improvements, Galvez Mall Sanitary Sewer Improvements, Lagunita Dining Sewer Ejection, Lasuen Mall Sewer, Sanitary Sewer Lift Station Replacement, Reservoir 2 Pump Station Replacement;

- Energy Retrofit Program, Building Energy Retrofit Program, and Whole Building Energy Retrofit Program and other efficiency programs, specific projects include but are not limited to: Whole Building Energy Retrofit Program (WBERP) -Mechanical Engineering Research Lab (MERL) and Varian, Energy Retrofit Program – Air Handler, Maples Control System, HVAC Upgrades at Arrillaga Family Sports Center;
- Various other infrastructure, infrastructure improvement/upgrade projects including but not limited to: Mechanical, Electrical and Plumbing, Sewer & Exterior Infrastructure, SCRL Street Light LED Retrofit, Exterior LED Lights including but not limited to: Quad 1, Quad 14, Quad 2, Quad 3, Quad 6 & 7, Quad 8; 565 Cowell Electrical Service, Photovoltaics, Photovoltaic Power Generation, Scientific Research Computing Facility Networking Cable and Conduit, Uplift Racks Refresh, Backbone and Firewall Refresh, Wiremold Replacement, fire alarms, Electronic Communications Hub Enterprise Data Center Cable & Conduit and Improvement and Expansions; Refrigerant Leak Alarm System, Replacement Boiler Plant, Slab Heating Replacement, Emergency Generators including but not limited to: Escondido Village Graduate Residences Pavilion Emergency Generator; Midrise Generator Replacements, Building Access Door Refresh, Loading Docks, Campus Transit Improvements, Utility Upgrades, Site and Safety Improvements; and other infrastructure improvements and upgrades;
- Deferred and planned maintenance including but not limited to: drainage barrier, pumping stations, HVAC systems, elevator maintenance and upgrades, underground utilities infrastructure improvements; Emergency Management and Control Systems, roof replacement, Campus Energy Management Control System Upgrade, Campus Central Management & Control System Upgrade, CEF Site Improvement/Pump House, San Juan Reservoir Rehabilitation, San Juan Hill Drainage Improvements, Cable and High Voltage Cable Replacement, Distributed Digital Control Upgrade/Retrofit, Supervisory Control and Data Acquisition System Upgrade, High Voltage Supervisory Control and Data Acquisition System Upgrade, Uninterruptable Power Supply (UPS), Near East & West Uninterruptable Power Supply UPS Refresh, Pine Hall ECH UPS Refresh, UPS Refresh at Quad & Puichon, Forsythe Power Distribution Unit (PDU) Replacement, and Data Center Power and Cooling Upgrade;
- FFE, transit and ADA projects.

Information Technology and Communication Systems Projects including but not limited to: Administrative Systems Infrastructure and Software Systems projects, CUP, Backup/Storage improvements, Communications and Networking systems improvements, Client/Server Hardware upgrades and replacements, Information Technology and Communication systems ("ITS") projects, Telecommunications projects (e.g. expanding and upgrading signal conduit, communications and networking systems requirements of the Borrower's academic facilities) including but not limited to:

- Electronic Communication Hubs (ECH) including without limitation: Northwest Data Center (formerly West Campus Area Electronic Communications Hub);
- Specific projects including but not limited to: ITS Conduit: California Avenue Faculty Residences, East Campus Plan, Kingscote Renovation, MH Security, Lagunita New Wings; ITS Copper: 408 Panama, New Manzanita Residence Hall, New Denning House, East Campus Redevelopment, Forsythe Quad/VG, Frost Amphitheater, Kingscote Renovation, New Adult Hospital, New Bass Biology, New ChEM-H Building, New Children's Hospital, New Siebel Golf, Parking Structure 10, Traitel Conference Center, Manzanita Relocation; ITS Fiber: 408 Panama, Arboretum Childcare, Beckman to Edwards, Beckman to Loading Dock, Beckman to West ECH, Bonair to Stadium SM, East Campus Redevelopment, Medical Electronic Communications Hub (ECH) to Beckman, Med ECH to Falk Center, East ECH to Quad ECH, East ECH to Press ECH, Frost Amphitheater, Maples to Police Co., New Manzanita Residence, Northwest Data Center and Communication Hub to Puichon, Northwest Data Center and Communication Hub 1.2 to 1.3, Northwest Data Center and Communication Hub to AT&T Ring, Northwest Data Center and Communication Hub to East ECH, Northwest Data Center and Communication Hub to Forsythe DC, Northwest Data Center and Communication Hub to MH B12-30, Northwest Data Center and Communication Hub to Ped SM, Northwest Data Center and Communication Hub/Med/West, Northwest Data Center and Communication Hub to Med ECH, Press Electronic Communication Hub (ECH) Reinforcement, Quad Electric Communication Hub-Aero/Astro, Stadium to Maples, Sunken Diamond, Haas 0.1 to Mayfield, Kingscote Renovation, Knoll to 670 Lomita, Lagunita New Wings, Medical ECH Reinforcement, Network Refresh (MMR) at Livermore, West ECH, East ECH, New Bass Biology, New California Avenue Faculty Residences, New ChEM-H Building, New Childcare Center, New Children's Hospital, New Denning House, New Hospital – Med ECH, New SHC Parking Structure, New Siebel Golf, Parking Structure 10, Press Electric Communication Hub-Bldg 02-500, Press ECH IDF's, Press ECH Reinforcement, PS5 (Oak) Reinforcement, Puichon to EH&S, Redwood City Campus, Stern Hall to Wings, Traitel Conference Center, West ECH to East ECH, West ECH to Northwest Data Center and Communication Hub, West ECH to Quad ECH, Women's Softball; Network Taps, Wireless Infrastructure Upgrades, Residential Computing Wireless Projects, Near East & West Uninterruptable Power Supply (UPS) Refresh, Pine Hall ECH UPS Refresh, UPS Refresh at Quad & Puichon, (UPS) Refresh at Forsythe, Livermore, NDCCH, Press, Departmental Firewall Refresh, 100 Gigabyte Connectivity to Corporation for Education Network Initiatives in California, 100 Gigabyte Border Routers Upgrade, Networking Load Balancer System/Refresh, Network Backbone, Networking Systems Cable, Special Fast Track Cable, Replacement Central Energy Facility Site Camera and Card Reader Addition, Data Center Power Improvements, Emergency Operations Center and Electronic Communications Hub, Munger Paul Brest AV System, Communications Services Conduits, East Campus Networking and Communications Redevelopment, Stanford Center for Earth Resources Forecasting (SCRF) Uplift Racks Refresh, SCRF Backbone and Firewall Refresh, Sherlock Cluster Uplift, Backbone and Firewall Refresh at

Porter Drive & SCRF, Forsythe Backbone and Firewall Refresh, Forsythe Power Distribution Unit (PDU) Replacement, Student Computing Infrastructure (Farmshare);

- Communications, conduit, improvements, reliability enhancements, copper and fiber cables, networking special projects, Energy Management and Control System, Code and Compliance project (repairing, upgrading and retrofitting a variety of facilities);
- FFE, transit and ADA projects.

II. Other Locations

County of Alameda

The following facilities located or to be located in the City of Livermore at or about 475 Longfellow Court and in the County of Alameda, California: Uninterruptable Power Supply (UPS) Refresh at Forsythe, Livermore, NDCCH, Press, and Network Refresh (MMR) at Livermore, West ECH, East ECH, and other projects including but not limited to: infrastructure, Capital Utilities Program ("CUP"), utilities, ITS projects, related site improvements, tenant/occupant improvements and FFE).

County of Santa Clara

The following facilities located or to be located in the City of Palo Alto and in the County of Santa Clara, California: 1651 Page Mill Road Human Immune Monitoring Center (HIMC) Project, 1651 Page Mill Road Renovation and Post Project Scope, 1701 Page Mill Road Tenant Improvements, 2370 Watson Court Tenant Improvements; 3145 Porter Drive Tenant/Occupant Improvements; 3172 Porter Drive Tenant/Occupant Improvements; Research Park Dry Lab Space Tenant/Occupant Improvements at or about 3145 and 3172 Porter Drive; University Terrace (formerly, California Avenue Faculty Homes) in Stanford Research Park, and is located on, adjacent, or between the boundaries of California Avenue, Page Mill Road, Hanover Street, and Peter Coutts Road and Circle, in Palo Alto, California; and Capital Utilities Program ("CUP"), utilities, ITS projects, and related site improvements.

The following facilities and related improvements are located or to be located on or adjacent to the main campus area of the Borrower in the City of Palo Alto and the County of Santa Clara, California: Biomedical Innovation Building including utilities, seismic, tunnel infrastructure and related improvements; San Juan Reservoir Rehabilitation, San Juan Hill Drainage Improvements, San Juan Hill Sewer Replacement, Felt Lake Water Line Replacement, and Capital Utilities Program ("CUP") improvements, utilities, ITS projects, and site improvements.

The following facility located on or to be located at or near Stanford lands within the City of Palo Alto adjacent to the intersection of Sand Hill Road and Clark Way: Domestic Water Intertie Upgrade and other Capital Utilities Program ("CUP"), utilities, ITS projects, and related site improvements.

The following facilities and related improvements are located or to be located on or adjacent to the main campus area of the Borrower, at Stanford and the County of Santa Clara, California, at or near 75 Alta Road: Center for Advanced Study in the Behavioral Sciences (CASBS) Facility Renovation, and other Capital Utilities Program ("CUP"), utilities, ITS projects, and related site improvements.

County of San Mateo

The following facility/complex located on, adjacent, or between the boundaries of Bayshore Freeway, Bay Road, Douglas Avenue, and Second Avenue, in Redwood City in the County of San Mateo, California: Stanford in Redwood City (including but not limited to: buildings, infrastructure, utilities, ITS projects, related site improvements, tenant/occupant improvements and FFE).

The following facility located or to be located at or about 300-550 El Camino: Middle Plaza at 500 El Camino (including but not limited to: buildings, infrastructure, utilities, ITS projects, related site improvements, tenant/occupant improvements and FFE).

More detailed descriptions of the foregoing facilities can be obtained from Stanford University, Office of the Treasurer, 3145 Porter Drive, Palo Alto, California 94304, telephone (650) 724-6361. Under state law, such facilities may include dormitories, dining halls, student unions, administration buildings, academic buildings, libraries, laboratories, research facilities, classrooms, health care facilities, and parking, maintenance, storage or utility facilities, and other related structures or facilities used for the instruction of students or the conducting of research or the operation of an institution of higher education and related facilities and equipment.

The hearing will commence at 10:00 a.m. local time, or as soon thereafter as the matter can be heard, and will be held at 915 Capitol Mall, Room 435, Sacramento, California 98514. Interested persons wishing to express their views on the issuance of the Bonds or on the nature and location of the Project may attend the public hearing in person or by telephone at (888) 240-3210 (participation code 6181441), or, prior to the time of the hearing, submit written comments to Frank Moore, Acting Executive Director, California Educational Facilities Authority, 915 Capitol Mall, Room 435, Sacramento, California 95814. The Authority may limit the time available to persons attending the public hearing to provide comments while assuring such persons a reasonable opportunity to be heard. Information on the proposed financing is available from the Authority at the address given above.

Dated: February 13, 2019

FRANK MOORE ACTING EXECUTIVE DIRECTOR California Educational Facilities Authority