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Public Research Institutions

INSTITUTION	GO	CIF	HEFT	HETI	ELF	TOTAL
NEW JERSEY INSTITUTE OF TECHNOLOGY						
035-01 Transforming NJIT's Central King Building: a Hub for STEM Education & Research Renovation / repurposing of Central King Bldg. into STEM teaching and learning hub w/: Ctr. for Innovation and Discovery ; auditorium upgrades; 3 floors of academic and research space for Biological Sciences Education and Research Complex; a new Math Engagement Center; a new Composition Engagement Center; a Teaching Effectiveness Institute; and centers for advising and pre-professional mentoring.	30,659,497	30,000,000	20,000,000	2,575,524	3,107,902	86,342,923
035-03 Integrative Life Science and Engineering Laboratory Building Renovation/updates to the York bldg. by adding 10,000 ft. of bio-wet laboratory space in Phase 1, supporting 50 additional researchers; and a second modular expansion with an open laboratory configuration for collaboration and investigative team work to increase opportunities w/ traditional life science and medical researchers - especially those in Newark's University Height's Science Park, NJ Hospitals and companies.	9,000,000			500,000	4,000,000	13,500,000

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Public Research Institutions

INSTITUTION	GO	CIF	HEFT	HETI	ELF	TOTAL
ROWAN UNIVERSITY						
046-03 Rohrer College of Business Building Construct new 110,000 sq. ft. academic bldg. for Roher College of Business, incl.: lecture halls, and auditorium, classrooms, seminar rooms, distance learning facilities, computer labs, study areas, financial trading room, and space to host the South Jersey Business Center with executive training classrooms.	40,393,881 (Application for $47,393,881)					40,393,881
046-04 College of Engineering Facility Expansion Construct new 90,500 sq. ft. bldg. for the College of Engineering, incl.: classrooms, lab space, faculty offices, study areas, labs for Rowan's highly innovative Engineering clinics, a STEM Center for outreach to pre-college age students, and a high-performance computer cluster for research in Engineering and at Cooper Med. School, SOM, the College of Health Sciences and the College of Science and Mathematics.	45,958,106 (Application for $52,958,106)					45,958,106
046-05 Westby Hall and Bozorth Hall HVAC Renovation and Replacement Replacing HVAC units in two buildings, Westby Hall and Bozorth Hall. Westby Hall houses classrooms, laboratories, a 110 person lecture hall, faculty offices, a large exhibit gallery, the graphics communication technology center and a darkroom. Bozorth Hall houses Communications offices, Rowan Radio, Rowan TV, a distance learning classroom, film-editing facilities, a computer equipped journalism newsroom, an advertising/PR client suite, a layout room and a computer equipped writing laboratory.		7,934,403				7,934,403

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Public Research Institutions

INSTITUTION	GO	CIF	HEFT	HETI	ELF	TOTAL
ROWAN UNIVERSITY cont.						
046-07 Wilson Hall Window Replacement Replace windows in Wilson Hall which is a 40 year old building that houses the College of Performing Arts. The replacement will remedy functional and security problems with the existing windows.		1,030,885				1,030,885
046-09 Camden Bank Renovations - Phase II Renovation of 37,000 sf of an historic bank building in Camden that will allow for the complete occupancy of the building and its annex. The building will be used as additional academic program space and will represent the non-health related presence for Rowan in Camden. The renovation has a significant community impact since it will eliminate a building that has been vacant and in need of development.		17,622,760				17,622,760
046-10 Web Site Rebuild The project consists of redesigning Rowan's web site to update content, make the website an enhanced marketing tool and improve management and navigation of the site.				350,000		350,000

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Public Research Institutions

INSTITUTION	GO	CIF	HEFT	HETI	ELF	TOTAL
ROWAN UNIVERSITY cont.						
046-11 Data Storage The project will increase the current data storage capacity to accommodate the needs created by the merger of Rutgers and the School of Osteopathic Medicine and the projected increase in enrollment through purchase of additional data storage servers.					750,000	750,000
046-12 Data Warehouse The project consists of the improvement and expansion of network infrastructure that will advance Rowan towards the next level in establishing an integrated data reporting system for the University.				260,859		260,859
046-13 Voice Over Internet Protocol The project consists of expanding the current Voice Over Internet Protocol (VOIP) telecommunications systems to accommodate the School of Osteopathic Medicine and projected additional enrollment.				106,250		106,250
046-14 Upgrade of Technology Enhanced Classrooms The project consists of upgrading the 38 learning spaced (of a total 168) to technology enhanced spaces through acquisition and installation of computers, projects, screens and audio computer speakers. The project is necessary in order to ensure that all students and faculty have the minimum resources for a 21st century learning environment.				101,060		101,060

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INSTITUTION	GO	CIF	HEFT	HETI	ELF	TOTAL
ROWAN UNIVERSITY cont.						
046-16 Banner Upgrade The project consists of upgrading and expanding the university's Computer Information System which is Banner by Ellucian. The upgrade and expansion is necessary to accommodate the School of Osteopathic Medicine.				468,575		468,575
046-17 Dark Fiber Network Upgrade The project consists of improving and expanding Rowan's network infrastructure across its Glassboro, Camden and Stratford campuses through the addition of unused fiber optic network capacity in southern New Jersey.				578,986		578,986

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Public Research Institutions

INSTITUTION	GO	CIF	HEFT	HETI	ELF	TOTAL
ROWAN UNIVERSITY cont.						
046-18 CAVE Technology Acquisition of additional technology known as CAVE®, which is a room sized virtual reality (VR) environment in which users wear stereo glasses to visualize, navigate and interact with a 3-D virtual environment. It is a useful research too for science, technology, engineering and mathematics. Rowan needs this additional technology to accommodate the increased enrollment anticipated in STEM programs.				978,161		978,161
046-19 Swipe Card System The RowanCard ID system is a photo identification system that is issued to every faculty, student and staff member at the University. It is a combination debit and access card. A system upgrade is necessitated to accommodate the School of Osteopathic Medicine and to make it adaptable to a multi-campus environment and add additional functions that will allow securing current and future research facilities, centrally granting customized access and tracking meal plan usage, classroom attendance and lab utilization as well as evaluating patters of student behavior attributed retention, and tracking transaction types.				1,280,000		1,280,000

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Public Research Institutions

INSTITUTION	GO	CIF	HEFT	HETI	ELF	TOTAL
RUTGERS UNIVERSITY						
047-03 Molecular Imaging and Control Facility for Brain Research Creation of a shared facility (none currently exists in NJ) that incorporates the latest photonic technologies for imaging, monitoring and controlling neuronal activity in vitro and in the behaving animal and would benefit many scientists in several Rutgers-Newark units (Center for Molecular & Behavioral Neuroscience - CMBN, Dept. of Biology, UMDNJ, NJIT). Equipment includes an endo-microscopic system, a laser scanning confocal microscope, and a Phasor system to control neuronal activity by delivery of light stimuli.					1,500,000 (Application for $1,593,290)	1,500,000
047-04 Polymer and Nanomaterials Characterization Facility (PolyRU-N) Purchase of equip. for a materials characterization facility at Rutgers Newark to advance science and technology of polymers and nanomaterials and improve capacity for research and training students on most advanced instrumentation in STEM fields. Equipment includes: a matrix-assisted laser desorption/ionization time-of-flight mass spectrometer, a 400 MHz solid-state NMR, a combination of differential scanning calorimeter, dynamic mechanical analyzer, and rheometer, a scanning probe microscope and a Raman microscope.					2,075,000	2,075,000

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Public Research Institutions

INSTITUTION	GO	CIF	HEFT	HETI	ELF	TOTAL
RUTGERS UNIVERSITY cont.						
047-05 A High Performance Computing Facility for a High Profile Campus Purchase of a new supercomputer for the Newark campus to be shared campus-wide. It will be the first High Performance Computing (HPC) facility of Rutgers Newark; will transform research and education realities on campus; and feature computing nodes w. 32 cores each and 384 Gigabyte of RAM each, one head node and a fast storage Lustre utility. Will support research and teaching requiring input and access to Big Data.					700,000	700,000
047-10 Transforming Biology Lab for Undergraduate Students Acquisition of new lab equipment for the general biology course, inc.: data collectors, probes, balances, pipetor, laptops, etc.					513,173	513,173

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Public Research Institutions

INSTITUTION	GO	CIF	HEFT	HETI	ELF	TOTAL
RUTGERS UNIVERSITY cont.						
047-12 Rutgers University Advanced Compute and Data Cloud Establishment of Advanced Compute and Data Cloud (an advanced research computational and data environment with large computational and data capacity) that will be available to students and faculty and other NJ institutions and industry. It will be used in research particularly in STEM areas, train the workforce for large capacity computational jobs that are projected and encourage industry to stay in or come to NJ.					10,000,000 (Application for $12,500,000)	10,000,000
047-14 GE IN CELL Analyzer 6000 System Purchase of GE IN CELL Analyzer 6000 System for research and teaching w/in the Department of Cell Biology and Neuroscience. An instrument that combines an automated, programmable confocal fluorescent microscopy w/ high-content culture systems and automated image analysis, It allows concurrent acquisition of high resolution images for multiple biological molecules with speed and high image quality (no similar imaging system currently exists at Rutgers or UMDNJ).					525,000 (Application for $550,000)	525,000

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Public Research Institutions

INSTITUTION	GO	CIF	HEFT	HETI	ELF	TOTAL
RUTGERS UNIVERSITY cont.						
047-15 A Mass Spectrometry System for Quantitative Proteomics Purchase of a mass spectrometry system for quantitative proteomics used for research and teaching at the Biological Mass Spectrometry Facility of Rutgers and RWJMS. Proteomics is the study the sets of proteins encoded by the human genome in different cells and tissues and provides info. at the molecular level about normal processes such as growth, replication and senescence as well as pathological conditions.					561,294	561,294
047-18 Advanced Infrastructure for Computational Biomedicine, Informatics and Modeling Equipment to support the Institute for Computational Biomedicine, Informatics and Modeling, that will offer the computational infrastructure currently lacking for big data analytics and multidisciplinary basic and translational research with medical schools in NJ, nearby states (Columbia, Harvard, UPENN) and worldwide, life sciences, biopharmaceuticals and other big data analytics research. Equip. incl: storage database for big data access; CPU cluster; communication and online course equip.; visualization equip., monitors human-computer/robot interaction equip., robots and force plates; and related software.					5,000,000	5,000,000

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Public Research Institutions

INSTITUTION	GO	CIF	HEFT	HETI	ELF	TOTAL
RUTGERS UNIVERSITY cont.						
047-25 Chemistry and Chemical Biology Building Construction of new Chemistry and Chemical Biology Building on the Busch Campus in Piscataway, incl.: new laboratory, teaching and collaboration space allowing faculty to expand and accelerate groundbreaking research in drug design, alternative energy, biomaterials, nanotechnology and molecular engineering. Will also house new core facilities to support broad range of scientists and engineers across campus and beyond.	82,000,000 (Application for $86,250,000)					82,000,000
047-26 305 Cooper, Writers House Renovation of vacant University-owned historical property on Cooper Street (known as the *Henry Genet Taylor House* - built in 1885 and now in disrepair) into the Camden Campus' Writers House, w/ 4,500 sq. ft. to house the English Department and program (one if the largest Departments on the Camden Campus.			4,250,000			4,250,000

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Public Research Institutions

INSTITUTION	GO	CIF	HEFT	HETI	ELF	TOTAL
RUTGERS UNIVERSITY cont.						
047-28 Camden Data Center Infrastructure Update Replace aging server infrastructure on the Camden Campus to meet high availability requirements of students and faculty. Rutgers Camden is in early stages of transforming its server infrastructure model to the widespread industry standard of virtualization.					900,000	900,000
047-29 Camden Data Center Infrastructure Upgrades - Camden Back-up Generator Acquisition of an emergency back-up generator to provide service to the building on the Camden Campus that houses the primary network uplink and servers.				150,000		150,000
047-30 RU Camden Computers and Printers Replacement of 815 PC's and 50 printers at the Camden Campus.					1,298,900	1,298,900

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Public Research Institutions

INSTITUTION	GO	CIF	HEFT	HETI	ELF	TOTAL
RUTGERS UNIVERSITY cont.						
047-31 Camden Data Center Infrastructure Upgrades - Camden Network 10GB/Sec Upgrade Upgrading core network infrastructure to bring the Rutgers-Camden campus in line with Rutgers- New Brunswick to allow for both improvements to existing applications and addition of new implementations that would allow researchers at the Center for Computational and Integrative Biology to have the higher capacity computing necessary for research, the Law School to stream more data to students and faculty and the Fine Arts to store more digital content.				250,000		250,000
047-32 Transforming Education, Research, and Training in the Biological Science New laboratory equipment for the Center for Computational and Integrative Biology and the Rutgers-Camden Department of Biology including general equipment, equipment for cell biology research and equipment for experiments in genomics/proteomics equipment to validate computational biology models through lab based experiments.					3,025,000	3,025,000

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Public Research Institutions

INSTITUTION	GO	CIF	HEFT	HETI	ELF	TOTAL
RUTGERS UNIVERSITY cont.						
047-33 RU Camden Nursing Acquisition of additional patient simulation equipment for the School of Nursing, similar to and compatible with existing equipment that is being used to enhance student learning in a laboratory setting.					820,000	820,000
047-34 RU Camden Enhanced Learning Space Modernizing equipment of enhanced classroom services at 88 campus locations, incl. expanding enhanced learning space technology to 8 conference rooms and 18 group study rooms in the library. Equipment consists of high definition video projectors and cameras, Apple TVs to display content from laptops and iOS devices through the rooms' projectors, digital room signage and upgrades to some existing hardware and networking components.					1,977,608	1,977,608

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Public Research Institutions

INSTITUTION	GO	CIF	HEFT	HETI	ELF	TOTAL
RUTGERS UNIVERSITY cont.						
047-35 Network Equipment Replacement and Refresh Replacement and upgrade of the University Date Network (RUNet) to provide new tools for higher learning and academics such as data bases and libraries, incl.: replacement of antiquated telecommunications hardware and associated software that is the backbone for university related administrative and academic services.				2,250,000		2,250,000
047-36 Ubiquitous Wireless Coverage Acquisition of equipment and upgrade of wireless network to provide campus-wide wireless coverage and to prepare network for additional 15,000 users that will be added as part of Rutgers/UMDNJ integration. It will provide coverage in all academic, administrative, residence and common areas. It will expand the RUWireless Network from the current 2,200 access points in 200 buildings to over 6,200 access points in over 400 buildings.				650,000	5,000,000 (Application for $7,200,000)	5,650,000

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Public Research Institutions

INSTITUTION	GO	CIF	HEFT	HETI	ELF	TOTAL
RUTGERS UNIVERSITY cont.						
047-37 Commercial Tier III Data Center Replacement of the University's Tier II data centers in the New Brunswick area with a Tier III data center near Piscataway to provide more protection against failures (Tier III has no single point of failure) and consolidate center in one location and renovate current centers to hold equipment that is necessary to be on site.					7,000,000 (Application for $9,600,000)	7,000,000
047-38 Academic Building Construction of a new 162,865 square foot academic facility that will serve as the first dedicated home for the Rutgers School of Arts and Sciences in New Brunswick. It will house lecture halls and classrooms with a total of 3000 seats of instructional spaces well as departmental offices and offices for the Dean of the School of Arts and Sciences.			17,250,000 (Application for $20,000,000)			17,250,000

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Public Research Institutions

INSTITUTION	GO	CIF	HEFT	HETI	ELF	TOTAL
RUTGERS UNIVERSITY cont.						
047-39 15 Washington Street - Newark Conversion of 15 Washington St. in Newark into a mixed use building. There will be over 39,000 square feet net assignable space on the building's lower levels including a restored main entrance, a 600 seat tiered large classroom, conference rooms, a new welcome center for alumni and office space for a variety of University departments. The upper levels will offer 350 beds for graduate students in a variety of unit types together with floor common areas. The apartments will take advantage of existing architectural assets and provide much needed graduate student housing in a form that will help Rutgers Newark attract and retain top candidates.			10,750,000			10,750,000
047-40 Institute for Food, Nutrition and Health - Cook Campus Construction of a new 80,000 square foot building with 53,000 net assignable square footage on the G. H. Cook Campus facility for the Institute for Food Nutrition and Health (IFNH). IFNH's mission is to make NJ the "Healthy State" and a model for the nation. The Institute's defining goal is preventing childhood obesity. IFNH invites and unites faculty and staff for all the Rutgers's campuses to work on large, multidisciplinary projects of major social and health economic importance.	35,000,000 (Application for $41,250,000)					35,000,000

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Public Research Institutions

INSTITUTION	GO	CIF	HEFT	HETI	ELF	TOTAL
RUTGERS UNIVERSITY cont.						
047-41 Pharmacy Construction of a 48,000 square foot addition to William Levine Hall on the Busch Campus to expand the Pharmacy School. The addition will provide teaching and laboratory space, incl. 2,300 seat auditoriums, 2 collaborative practice simulation labs (community practice and hospital settings), classrooms, administrative pharmacy practice space, labs for basic research in the pharmaceutical and biomedical sciences and an IV admixture room for training students in the preparation of sterile intravenous medications.			16,750,000 (Application for $19,500,000)			16,750,000
047-42 Academic Building This is a CIF grant application for the same New Academic Building project identified in 047-38 for the School of Arts and Sciences. The project also calls for the removal of 100,000 sq. ft. of inefficient, outdated space that currently houses the various departments within the School of Arts and Sciences located throughout campus.		38,300,000				38,300,000

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INSTITUTION	GO	CIF	HEFT	HETI	ELF	TOTAL
RUTGERS UNIVERSITY cont.						
047-43 Nursing Science - Camden Purchase of land and construction of an 119,741 sf facility for School of Nursing & Science on a central Camden site owned by the Camden Redevelopment Agency. Facility will incl: case study lecture halls, "discovery labs", undergrad. & grad. lounges, group study rooms, teaching labs for biology, chemistry and physics including AV and computer technology. Specialized nursing space will include clinical skills labs, patient simulation labs, a standardized patient health assessment, and advanced AV technology to record student performance.	46,875,000					46,875,000
047-45 Life Sciences Center - Phase II Building - Newark Campus Phase I of the Life Sciences center was completed in 2005. This project is Phase II -- the construction of a 93,000 sf addition for instructional and research space for the biology, chemistry and neuroscience includes: research and teaching labs, expansion of the imaging suite, a greenhouse on the roof, a bridge to other facilities, and expansion and relocation of vivarium facilities, creating compliance with NIH's guidelines for research grants. A minimum LEED silver certification will be incorporated.		59,000,000				59,000,000

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INSTITUTION	GO	CIF	HEFT	HETI	ELF	TOTAL
RUTGERS UNIVERSITY cont.						
047-46 Camden Chemistry Acquisition and installation of equipment leading to an enhanced spectroscopy facility.					2,313,100	2,313,100
047-47 Camden Access Switches Acquisition and installation of access switches on the Camden campus.					547,000	547,000

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Public Research Institutions

INSTITUTION	GO	CIF	HEFT	HETI	ELF	TOTAL
UMDNJ						
058-01 Oral Health Pavilion C Level Compete Level C (currently shell space) of the NJ Dental School's Oral Health Pavilion which will complete the clinical teaching facility, increasing capacity by 96 clinical teaching operatories equipped for DMD and post-graduate dental students.	10,000,000 (Application for $10,125,000)					10,000,000
058-02 Clinical Laboratory Science and Interprofessional Health Laboratories at the UMDNJ-School of Health Related Professions Renovation of 4,410 sq. ft. of existing lab and office space in the Stanley S. Bergen Bldg. at Newark campus to create cutting-edge lab facilities and a wellness research facility for undergrad/grad students in biomedical and health sciences. Includes: a large training lab for 24 students, additional lab space; a wellness research support area; and a wellness clinical research facility.			4,030,705			4,030,705
058-03 Oral Health Sciences Laboratory Renovation NJDS is seeking funding to renovate 22,800 sf of space to enabling the continued growth, development and expansion of the school's PhD, Masters and DMD education and research programs. Current laboratories built in the 1970's are disjointed, antiquated and do not support the teaching of or conduct of cutting-edge science.			16,000,000			16,000,000

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INSTITUTION	GO	CIF	HEFT	HETI	ELF	TOTAL
UMDNJ cont.						
058-04 UH Infrastructure Renewal and Upgrades Acquisition and installation of a complete new emergency power system, expansion of fire sprinkler system, replacement and upgrades to air handling units and duct mains, vacuum pump and compressor replacement, steam condensate line replacement, water system upgrades, replacement of water mains, and water filtration system, medical gas system distribution upgrades, replacement of all roofing systems including membranes and insulation and replacement of window gaskets and internal blinds in all patient rooms.			37,000,000 (Application for $86,503,200)			37,000,000

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	GO	CIF	HEFT	HETI	ELF	TOTAL
KEAN UNIVERSITY						
027-01 North Avenue Multipurpose Academic Building A 125,000 sf, multi-purpose academic building on University owned land, adding 29 classrooms and expanding seat count by 2,068 supporting programs tied to at least four of the State's priority growth areas: health cares, financial services, logistics & distribution, and technology & entrepreneurship. More than 25% of new academic space will be for financial services related programs including accounting, international finance and global supply chain management. Another 25% will be for computer science and information technology programs.	35,700,000			112,500	1,150,000	36,962,500
027-02 East Campus Classroom The renovation of 9,100 sf of existing space for 3 additional classroom and clinical and support space for the Occupational Therapy Program to increase enrollment by 12 to 15 students (30%). The clinic space will enable enrolled students to complete fieldwork on-site. Clinic service will be made available to the public. The Project also includes equipment purchases for the OT clinic and pediatric therapy areas.	1,987,500				100,000	2,087,500

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	GO	CIF	HEFT	HETI	ELF	TOTAL
KEAN UNIVERSITY cont.						
027-03 Performing Arts Instructional Facility Expansion and Renovation The renovation and expansion of Vaughn Eames Hall to house scene shops and instructional space for the theatre arts program and to facilitate joint initiative with Union County Vo-Tech School district, incl.: a 14,500 sf addition; exterior renovations; a new performance studio; and equipment purchases for the performing arts center.	3,150,000		1,000,000		250,000	4,400,000
027-05 Kean Highlands Environmental Sciences Education Center Construct 58,000 sf academic research and training center in the Regional Highlands Center at St. Paul. This is a joint initiative between academia and the NJ Department of Environmental The facility will support research, marketing and ongoing coursework at the Highland center and increase capacity by 35 classrooms and more than 1,000 seats.		7,800,000	1,500,000 (Application for $2,750,000)	125,000	937,500	10,362,500

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	GO	CIF	HEFT	HETI	ELF	TOTAL
MONTCLAIR STATE UNIVERSITY						
032-01 Center for Environmental and Life Sciences Construct new 107,500 sq. ft. acad. bldg. w/ instructional and research space for environmental and life sciences, incl.: teaching and research labs, classrooms, seminar rooms, a 150 seat lecture hall, a vivarium, a microscopy suite and other science facilities.	39,284,018					39,284,018
032-02 School of Business Building Construct new 143,000 sq. ft. acad. bldg. for School of Business w/ 23 new classrooms, 4 seminar rooms, 150-seat lecture hall, breakout rooms, executive ed. space for collaboration w/ private sector partners, computer labs, a financial trading facility and research space.	46,878,894					46,878,894

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	GO	CIF	HEFT	HETI	ELF	TOTAL
MONTCLAIR STATE UNIVERSITY cont.						
032-07 Networking Equipment and Systems Upgrade Networking Equipment and Systems including implementation of a high-capacity wired network paired with a high performance broadband wireless network. Project allows fully converged voice, video and data environment for the first time and full compatibility w/ NJEDge.net (MSU serves as a co-location facility for much of the NJEDge infrastructure.				6,250,000		6,250,000
032-10 Conversion to IP Telephone Operations Replacement of outdated analogy landline desktop telephone system with a state-of-the art IP- based telephony operation constituting a unique assembly of hardware and desktop telephone sets. Replacement is imperative because the manufacturer of the system will discontinue support and service by the end of 2015.					700,000	700,000

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	GO	CIF	HEFT	HETI	ELF	TOTAL
MONTCLAIR STATE UNIVERSITY cont.						
032-11 Installation of High-Availability Uninterrupted Power Source Devices Acquisition and installation of Uninterruptible Power Supplies (UPS) at all network distribution points throughout campus in order to protect information technology assets from power surges and maintain telecommunications services during power outages.					700,000	700,000

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	GO	CIF	HEFT	HETI	ELF	TOTAL
NEW JERSEY CITY UNIVERSITY						
034-02 Information Technology Infrastructure Improvements Maintenance, enhancement and expansion of network infrastructure providing greater connectivity to Harborside and Wall Township locations inc.: network hardware upgrade. Load balancing appliance upgrade, spam firewall appliance expansion, fiber channel switch upgrade, storage area network expansion and wireless access point expansion.				866,789		866,789
034-03 Science Building Addition and Renovation A 22,000 sf renovation and expansion of the Science Building for biology, chemistry, physics and geoscience programs inc.: multi purpose classrooms, seminar and conference rooms, teaching and research laboratories, lab support, astronomy observatory, student interaction space, computer labs, storage space, equipment and instrumentation rooms, and faculty offices.			32,000,000 (Application for $32,981,066)			32,000,000

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Senior Public Institutions

	GO	CIF	HEFT	HETI	ELF	TOTAL
NEW JERSEY CITY UNIVERSITY cont.						
034-04 Instructional Technology Upgrades Upgrades to equipment in six categories: classroom technology, laboratory technology and equipment, Nursing technology, media arts technology, college of education pre-service teacher technology and video conferencing. These upgrades will affect all programs, but particularly the STEM, STEM education, media arts and professional securities studies programs.					1,718,215	1,718,215

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Senior Public Institutions

	GO	CIF	HEFT	HETI	ELF	TOTAL
RAMAPO COLLEGE OF NEW JERSEY						
042-01 STEM Building Upgrade Renovation of first 2 floors of existing G-Wing academic bldg. that houses School of Theoretical and Applied Science to provide modern STEM labs for learning and research; technology classrooms w/ supporting infrastructure; and administrative areas.			16,912,000		750,000	17,662,000
042-05 Technology Infrastructure Upgrade Purchase of equipment to replace old and add new wireless infrastructure inc.: network switches, wireless access points and enhancement of the fiber network in the IT center, business school, all academic buildings and the sports and rec. center.				786,000	534,000	1,320,000
042-06 Copy Center/ Public Safety Relocation Relocation of the print shop to the Dept of Public Safety office which is centrally located and relocation of Public Safety dept. to location near student residences with more space and parking.		900,000				900,000

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	GO	CIF	HEFT	HETI	ELF	TOTAL
RICHARD STOCKTON COLLEGE OF NJ						
044-01 Arts and Science Renovation Project Renovation of existing Arts and Sciences Bldg. incl., exterior and façade repair and energy efficiency improvements.		4,200,000				4,200,000
044-04 Education Technology Project Upgrade and enhancement of equipment used by faculty for delivery of lectures in electronic classrooms and instructional computer labs; development of virtualized computer labs to support student owned mobile devices (tablets and notebooks) and desktop computers.					1,195,000	1,195,000
044-05 Science Building Addition Construction of addition to the "soon to be completed" Unified Science Center for programs in Physics, Environ. Science, Marine Science, and Health Sciences, incl.: labs for teaching and research; a vivarium; a greenhouse; computer labs and faculty offices.	21,465,000					21,465,000

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	GO	CIF	HEFT	HETI	ELF	TOTAL
RICHARD STOCKTON COLLEGE OF NJ cont.						
044-07 Science Building Teaching Laboratory Equip Equipment and analytical instruments for teaching and research in Biology and Chemistry space that will be served in the new Unified Science Center.					6,400,000	6,400,000
044-08 Additional Classroom Building Construction of new 60,000 sq. ft academic bldg. w/ 24 classrooms, 20 offices and teaching space for the Schools of Business, Education, Social and Behavioral Sciences, Arts & Humanities, General Studies, Health Sciences and Natural Sciences and Mathematics.	13,522,950					13,522,950

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Senior Public Institutions

	GO	CIF	HEFT	HETI	ELF	TOTAL
RICHARD STOCKTON COLLEGE OF NJ cont.						
044-09 Energy Management Project Modernization of equipment and infrastructure associated with energy efficiency including upgrades to College's HVAC equipment/systems.		6,400,000				6,400,000
044-12 Educational Technology Infrastructure Project Network infrastructure improvements, incl.: intra-campus expansion of high-speed voice, video and data fiber backbone; high capacity internet access; core network upgrade with a high speed 10G network backbone; and wireless infrastructure upgrade.				775,000		775,000

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Senior Public Institutions

	GO	CIF	HEFT	HETI	ELF	TOTAL
THE COLLEGE OF NEW JERSEY						
013-03 Project to Advance Systemic, Integrated Upgrade and Expansion of Equipment-Intensive, Science and Technology-Rich Programs Upgrade and expand learning and research equipment in science and technology-rich programs in 3 areas: School of Science, School of Engineering, and School of Nursing & Health and Exercise Science. Equipment to be component parts of integrated laboratories and learning centers.					6,900,035	6,900,035
013-04 Science Building Renovation Renovation of Science Complex incl.: chemistry and biology areas; relocation of current space for Math and Statistics to Armstrong Hall and conversion of vacated space for increased area for physics and chemistry labs, support/study areas.			6,000,000			6,000,000

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Senior Public Institutions

	GO	CIF	HEFT	HETI	ELF	TOTAL
THE COLLEGE OF NEW JERSEY cont.						
013-05 STEM Building Demolition of Holman Hall and construction of new 76,000 sq. ft. STEM bldg for Science, Technology, Engineering, and Schools of Engineering, Nursing Health and Exercise Science, and School of Science. Bldg. to incl.: classroom and research space and labs for biomedical, electrical, mechanical, civil engineering, nursing, computer science, math and physical, natural and health sciences.	40,000,000			1,000,000		41,000,000
013-06 Technology Plan Series of technology infrastructure projects to expand and improve IT throughout campus, incl.: virtual desktop interface project, network security devices upgrade, data network enhancement and completion of redundant ring project, replacement of network core devices, edge network switches project, and telephone switch replacement.				3,550,000		3,550,000

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Senior Public Institutions

	GO	CIF	HEFT	HETI	ELF	TOTAL
THOMAS EDISON STATE COLLEGE						
056-01 Nursing Education Center Construction of new 34,702 sq. ft. academic bldg. for a Nursing Education Ctr., incl.: faculty space, a patient simulation lab, an auditorium and lecture halls, and space for the College's testing/assessment ctr. and Continuing Studies Unit.	12,726,000					12,726,000
056-02 Instructional Equipment Purchase for the W. Cary Edwards School of Nursing Purchase of computing and instructional equipment for School of Nursing to support technology in patient simulation lab, smart classrooms and labs and to enhance School's staff resources, incl,: computers, printers, copy machines, videoconferencing equipment, smart boards, projectors, and simulator equipment.					585,000	585,000
056-03 Capital Improvements at 102-104 West State St Renovation/fit-out of 102-104 West State St. facility (formerly the NJBIA headquarters) to house a new Center for Learning Technology. This is a 12,528 sq. ft. facility that the College is under contract to purchase and is in the State House Historic District very near existing College buildings.		1,397,000				1,397,000

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Senior Public Institutions

	GO	CIF	HEFT	HETI	ELF	TOTAL
THOMAS EDISON STATE COLLEGE cont.						
056-04 Capital Improvements to the Kelsey/Townhouse Complex Renovation and upgrade of College's Kelsey/Townhouse Complex to reconfigure/remodel/consolidate administrative offices in order to free up space for additional use, including meeting rooms and classrooms; a new welcome center; new roof; and upgrade of HVAC systems.		1,913,000				1,913,000

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Senior Public Institutions

	GO	CIF	HEFT	HETI	ELF	TOTAL
WILLIAM PATERSON UNIVERSITY						
061-01 Health Sciences Building Construction of new academic bldg. for a Health Science Center for teaching/research facilities for well established programs in Nursing, Communication Disorders and Public Health, incl.: 15 active learning classrooms (560 seats) for 3 STEM programs and general academic instruction; 15 communication therapy suites and clinical observation rooms.	30,000,000					30,000,000
061-04 Communicating in the 21st Century Upgrade and expand Ethernet and Internet network facilities to combine voice, video and data over an Internet Protocol (IP) fiber backbone to expand the University's voice communications systems with innovative equipment, provide backup and reliability to the university's communications systems and to add high definition television studios to allow for interactive experiential learning.				244,000	1,739,521	1,983,521

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County Colleges

	GO	CIF	HEFT	HETI	ELF	TOTAL
ATLANTIC CAPE COMMUNITY COLLEGE						
002-01 Student Success Center Build Academic Success Ctr as entire 2nd flr of Student Success Ctr Bldg. (not funded by BOF funds), for support services incl. writing/math labs, study rooms, offices space, seminar rooms w/ computer and smart boards for use in writing and math labs.	2,676,394					2,676,394
002-02 Simon Lake Hall (Bldg A) Renovation Convert space vacated by science use in Bldg. A into general classrooms w/ student computer and math labs.	2,984,039					2,984,039

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County Colleges

	GO	CIF	HEFT	HETI	ELF	TOTAL
ATLANTIC CAPE COMM. COLLEGE cont. **002-03 Enabled Technology Upgrades** Purchase of classroom, lab and faculty workstation equipment inc.: 681 desktops and 269 laptops and 16 printers.					803,542	803,542
002-04 Student Success Center - Worthington Renovation of an existing 2,811 sf slots lab adjacent to the Library to create student success center for supplemental instructional support, student study rooms, staff offices and a small classroom/seminar room with smart boards. In addition, a career planning center and tutoring space and assistive technology resources for at-risk students is included.	680,062					680,062

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County Colleges

	GO	CIF	HEFT	HETI	ELF	TOTAL
ATLANTIC CAPE COMM. COLLEGE cont.						
002-05 Technology Infrastructure Project Total refresh of network infrastructure with improvements and enhancements, including: 1) Ethernet Layer 3 Switching, 2) Ubiquitous Wireless, and 3) Server Virtualization/VDI.				567,000		567,000
002-06 Student Success Center - Cape May Renovation of an existing 1,749 sf storage space adjacent to the Library to create student success center for supplemental instructional support, student study rooms, staff offices and a small classroom/seminar room with smart boards. In addition, a career planning center and tutoring space and assistive technology resources for at-risk students is included.	500,620					500,620

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County Colleges

	GO	CIF	HEFT	HETI	ELF	TOTAL
BERGEN COMMUNITY COLLEGE						
004-01 Health Professions Integrated Teaching Center New academic bldg. for High Tech. Health Professions Teaching Ctr incl. additional/upgraded equipment, smart classrooms, labs, simulation ctrs, computer facilities, student support, counseling and admin areas.	12,750,000					12,750,000
004-03 Infrastructure Enhancement Project Network infrastructure upgrade across its 3 campuses; Computer Workstation Lifecycle; purchase of Queue Management Solution hardware (software included in HETI app 004-04 below).					2,023,000	2,023,000

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County Colleges

	GO	CIF	HEFT	HETI	ELF	TOTAL
BERGEN COMM. COLLEGE cont.						
004-04 Institutional Improvement Project Technology infra. incl.: Data Warehouse and Data Mining Solution; purchase/install Admissions Customer Relations Management (CRM) solution; purchase of Human Resources management package for Datatel; purchase One Card Student ID Mangmt System; Network Security Upgrade; purchase Queue Management Solution software.				1,071,000		1,071,000

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County Colleges

	GO	CIF	HEFT	HETI	ELF	TOTAL
BROOKDALE COMMUNITY COLLEGE						
008-01 The Wall Project Construction of a 41,000 sf academic facility at the Wall campus (the former Camp Evans base) for classroom space, nursing labs and prep rooms, computer labs, a video conferencing classroom, a learning commons for research, tutoring, counseling and collaboration spaces. Also included is network infrastructure, desktop virtualization and unified communication upgrades as well as the purchase of related furniture and equipment.	12,000,000			192,518	1,730,398	13,922,916
008-02 Technology Upgrade Upgrade of wired and wireless infrastructure, desktop virtualization (computers in classrooms to support multiple disciplines), unified communication (voice, text and video). Also includes equipment to be used in biology, chemistry and environmental sciences laboratories.				968,044	993,905	1,961,949

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County Colleges

	GO	CIF	HEFT	HETI	ELF	TOTAL
BURLINGTON COUNTY COLLEGE						
009-01 Next Generation Enterprise Network Upgrade network capability by replacing out-dated existing core and edge network switches to support network Mobility, Energy Management, Security, Application Performance and Multimedia.				506,029		506,029
009-02 Next Generation Educational Technology Project (NGET) Replacing existing classroom equip.; upgrades to computer labs, mobile technology labs, and video conferencing capability; installation of digital signage and digital voice recorder for the public safety dept.; installation of equipment and infrastructure for classrooms and labs in technology-intensive programs.					1,427,852	1,427,852

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County Colleges

	GO	CIF	HEFT	HETI	ELF	TOTAL
BURLINGTON COUNTY COLLEGE cont.						
009-03 Center for the Advancement of Science and Technology Interior renovation and expansion of 25,000 sf of the Lewis Parker Center on the Pemberton Campus inc. renovation of: large lecture halls, classrooms, labs, training facilities, HVAC system, interior and exterior windows, mechanical and electrical infrastructure, and facility support space to support STEM disciplines including electronics, energy management and sustainability and advanced manufacturing.			2,640,000			2,640,000

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County Colleges

	GO	CIF	HEFT	HETI	ELF	TOTAL
CAMDEN COUNTY COLLEGE						
011-02 The Instructional, Technology and Lab Equipment Modernization Project "INTEL" Purchase of equipment for simulation for nursing, dental hygiene, dental assisting and surgical technology programs; advanced manufacturing equipment for job training in manufacturing, robotics, design and engineering; equipment for technology enhancements in developmental education; technology enhancements to classrooms in Blackwood, Rohrer and Camden; faculty training in multimedia center; technology enhancements to the student services center.					1,281,890	1,281,890
011-03 Communications and Data Storage and Transmission Infrastructure Survival Project "CODIS" Upgrades to data storage and transmission infrastructure inc.: upgraded switches, wireless expansion, virtual desktop infrastructure, three storage area network devices, and technology equipment for the Taft Hall renovations.				828,996		828,996

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	GO	CIF	HEFT	HETI	ELF	TOTAL
CAMDEN COUNTY COLLEGE cont.						
011-04 College Downtown City Classroom Development and Expansion Initiative "CCCamden Project" Acquisition and renovation of the Settlement Music School – Camden Music School of the Arts located at 531-535 Market Street, in Camden, to expand programs in Healthcare, Life Sciences, Technology, Hospitality, Retail Job Training, and adult Basic Skills/GED and establish additional science labs.	1,624,686					1,624,686
011-05 Taft Hall Renovation and Classroom Expansion Project Renovation of the first and third floors of Taft Hall which are academic and academic support floors. The second floor (administrative) will be renovated with Chapter 12 funds. The project includes equipping classrooms w/ up to date technology.	4,577,724					4,577,724

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County Colleges

	GO	CIF	HEFT	HETI	ELF	TOTAL
COUNTY COLLEGE OF MORRIS						
015-01 CCM Music Technology Building Construct new 16,000 sq. ft. Music Technology Bldg. for multiple science and technology programs, performing arts and general ed courses in Diversity and Humanities.	5,273,438					5,273,438
015-02 CCM Engineering Renovations Renovation of Engineering Program's academic/instructional space and labs.	2,226,562					2,226,562

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County Colleges

	GO	CIF	HEFT	HETI	ELF	TOTAL
COUNTY COLLEGE OF MORRIS cont.						
015-04 Biology, Chemistry and Physics Lab Renovations Renovate 7 laboratories totaling 8, 170 sq. ft. for Biology, Chemistry & Physics Lab programs. These renovations will support multiple Associate in Science and Applied Science degree programs and increases capacity in STEM fields.			1,490,400			1,490,400
015-06 Instruction Equipment Acquisition Project Purchase of Equipment to support Mechanical Engineering Technologies, Advanced Manufacturing Training, Hospitality Management, Restaurant and Culinary Management, Culinary Arts and Sciences, Event Planning and Marketing, Design, Music Performance, Music Technology, Photography, Respiratory Therapy, Biotechnology, Biology, Chemistry, Exercise Science, Personal Trainer, Nursing, Media Studies, and Media Technology.					1,274,387	1,274,387

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	GO	CIF	HEFT	HETI	ELF	TOTAL
COUNTY COLLEGE OF MORRIS cont.						
015-07 Technology Infrastructure Project Technology upgrades inc.: removal of all single point of failures in the fiber network infrastructure, upgrade and completion of current wireless network, replacement of old switches, and an emergency power UPS system for server rooms.				172,725		172,725

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County Colleges

	GO	CIF	HEFT	HETI	ELF	TOTAL
CUMBERLAND COUNTY COLLEGE						
016-01 Phase 1 Facilities Master Plan Implementation Renovate and expand Academic Bldg.; replace outdated fiber-optic cabling and equipment w/ new looped network for greater bandwidth and speed; renovate rear of library to create Network Operations Center to house IT Dept.			1,364,000	390,600		1,754,600
016-02 Information Technology and Equipment Upgrades Purchase of a new 10 gig fiber-optic cable throughout campus, a new network core, replacing computers for faculty, classrooms, academic support labs and the developmental math programs, equipment for criminal justice, chemistry, engineering and engineering technology, performing arts and TV production an digital media programs.					737,800	737,800

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County Colleges

	GO	CIF	HEFT	HETI	ELF	TOTAL
ESSEX COUNTY COLLEGE						
021-01 First Year Success -Specialized Classrooms for Rapid Completion of Developmental Coursework Construct 18,000 sq. ft. of new learning space for developmental Math and English by building new level on existing structure.	5,484,375					5,484,375
021-02 Health Sciences Nursing Simulation Laboratory Update and expand the Nursing and Allied Health Programs' Human Patient Simulator (HPS) Lab, including purchase of manikins and laboratory support equipment.			55,250		640,967	696,217

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County Colleges

	GO	CIF	HEFT	HETI	ELF	TOTAL
ESSEX COUNTY COLLEGE cont.						
021-03 Information Commons Creation of an Information Commons w/in the MLK Library consisting of dedicated space for integrated digital environment and the technology that supports it including; 145 computers at Newark campus, 30 at West Essex and 20 at Police Academy.	4,495,735			340,315		4,836,050
021-04 West Essex Campus Restructuring Renovate 12 classrooms into technology classrooms and add 6 new; 2 science labs and add one new lab for allied health fields; 5 computer labs; expand multi-purpose room, repurpose library/academic resource ctr into Information Commons; and redefine main entrance.	5,013,628					5,013,628

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County Colleges

	GO	CIF	HEFT	HETI	ELF	TOTAL
ESSEX COUNTY COLLEGE cont.						
021-05 Foundation for Instructional Technologies (FIT) Upgrade of academic computing infrastructure, including: core and intermediate network infrastructure and associated Main Distribution Frame/Intermediate Distribution Frame equipment, cabling and peripherals.				3,073,220		3,073,220

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County Colleges

	GO	CIF	HEFT	HETI	ELF	TOTAL
GLOUCESTER COUNTY COLLEGE						
025-01 Nursing and Allied Health Center Construct new 41,418 sq. ft. Nursing and Allied Health Ctr. w/ smart classrooms, 8 simulation and nursing technologies labs and 2 computer labs.	8,573,526					8,573,526
025-02 Business and Corporate Center Repurpose existing Allied Health Ctr. into new Business and Corporate Ctr. for Business Studies Degree Programs.	532,575					532,575
025-03 Law and Justice Education Center Construct 7,244 sq. ft. addition to the existing Law and Justice Education Ctr., including: replacement of antiquated forensic lab w/ 2 state-of-the-art labs; convert existing lab to a classroom, create a resource room, and add another classroom.	1,499,508					1,499,508

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County Colleges

	GO	CIF	HEFT	HETI	ELF	TOTAL
GLOUCESTER COUNTY COLLEGE cont.						
025-04 Adult Center for Transition Construct new 14,550 sq. ft. state-of-the-art facility to facilitate in the transition of care for more severely disabled students. Bldg. will be equipped with assistive technology, a computer room, small group classrooms and vocational workshops.			4,015,800			4,015,800
025-05 Student Services & College Readiness Now Ctr A 16,300 sf renovation and 20,345 sf addition including 6 classrooms, a computer lab, 3 small group classrooms and a large group instructional space for the College Readiness Now Center focusing on transitional aspects of high school senior year and will target high risk students.	4,386,906					4,386,906

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County Colleges

	GO	CIF	HEFT	HETI	ELF	TOTAL
HUDSON COUNTY COMMUNITY COLLEGE						
026-01 Science Center Construction and equipping of new science building in Jersey City w/ 39,540 sq. ft to consolidate science programs in one location and will incl.: 9 laboratories incl. a nursing and a medical assistants' lab, 9 classrooms and 5 offices for the science dept. Project is part of college's long range plant to develop 500,000 sq. ft. of space in the Journal Square area of Jersey City and in the North Hudson area and the college has completed or is in process of completing almost half of the planned space w/ the construction of 2 new academic buildings and a new library underway.	8,100,000		2,376,000	202,075	651,910	11,329,985
026-04 HETI Technology infrastructure to provide uninterrupted access to all of the academic labs, and wireless access points, including the smart classrooms and science labs inc. core and computer room switches.				286,000		286,000

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County Colleges

	GO	CIF	HEFT	HETI	ELF	TOTAL
MERCER COUNTY COMMUNITY COLLEGE						
028 Renovating Labs and Instructional Space to Improve Teaching of STEM Disciplines Renovation of labs and instructional spaces; remodeling of additional spaces for STEM, incl.: upgrade of video, voice and telecom. equip., wireless communications on both campuses, upgrade of the fiber and equip. on West Windsor campus, network cabling in computer labs on both campuses, and additional leased equip. to support STEM programs.	7,350,000			617,400	473,400	8,440,800
028-02 Expanding Capabilities in Advanced Mfr Construct a 1,900 sq. ft addition to Engineering Science Bldg. on West Windsor Campus for industrial laboratory space to provide training in advance manufacturing, including specialized equipment needed to conduct this type of training. The college has requested funding under HEFT and ELF for portions of this project.			855,000		401,250	1,256,250

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County Colleges

	GO	CIF	HEFT	HETI	ELF	TOTAL
MIDDLESEX COUNTY COLLEGE						
030-01 Academic Science Building Construct new 22,400 sq. ft. acad. science bldg. for STEM and health sciences programs w/ 14 labs for Bio., Chem. and Microbio.; new science labs for Allied Health programs; repurpose existing labs to serve Allied Health and physics programs; create admin. office space for Natural Sciences faculty; and equipment for new facility.	10,200,000		2,992,000		1,618,400	14,810,400

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County Colleges

	GO	CIF	HEFT	HETI	ELF	TOTAL
OCEAN COUNTY COLLEGE						
036-01 Technology Infrastructure Technology infrastructure improvements inc.: firewall and IPS upgrade, VOICE over IP upgrade and video conferencing solution, wireless network enhancements and upgrades, enhancements and addition to SCALA (mass alert notifications), virtual desktop infrastructure enhancements, classroom technology upgrades, data replication site solution, southern campus point to point link, and redundant internet link via second ISP link.				718,200		718,200
036-02 Nursing Building Upgrade Renovation and expansion of the 11,031 sf Health Sciences building in Toms River upgrade HVAC, structural, and mechanical systems, undertake asbestos abatement, make ADA and OSHA compliance renovations and to purchase furniture and lab equipment inc. smart boards, AV equip., and computers.			1,692,769			1,692,769
036-03 Instructional Building Infrastructure Project Renovation of the College's 61,650 sf primary instructional facility in Toms River to upgrade HVAC, structural, mechanical, electrical and plumbing systems, undertake asbestos abatement, make ADA compliance renovations and to purchase furniture and lab equipment inc.: smart boards, AV equip., and computers.	8,550,000					8,550,000

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	GO	CIF	HEFT	HETI	ELF	TOTAL
OCEAN COUNTY COLLEGE cont.						
036-04 Classroom Technology Project Purchase of technology equipment to equip 43 classrooms, 37 labs and 3 lecture halls with update AV and computing instruments. 6 classrooms and 2 labs are in Manahawkin, all other facilities are located in Toms River.					1,549,603	1,549,603

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County Colleges

	GO	CIF	HEFT	HETI	ELF	TOTAL
PASSAIC COUNTY COMMUNITY COLLEGE						
037-01 Culinary Arts Facility Renovation and repurpose of existing 4,200 sq. ft. space into a Culinary Arts facility w/ 4 teaching stations, a pastry/baking kitchen, hot and cold food kitchens, a culinary lab for teaching demonstration and special events.	900,000					900,000
037-02 Center for Education and Workforce Development 6,000 sf expansion to an existing building to relocate continuing education and workforce development area to building that houses the One Stop Career Center.	1,125,000					1,125,000

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	GO	CIF	HEFT	HETI	ELF	TOTAL
PASSAIC COUNTY COLLEGE cont.						
037-03 Center for STEM Innovation Renovation to Hamilton Hall to create a 17,000 sf STEM facility to consolidate CIS, engineering, and health information technology into one facility inc.; lab space, 14 new classrooms, collaborative learning space, a new lobby and elevator.			2,068,000			2,068,000
037-04 Extended Learning Beyond the Campus Walls Upgrades to network infrastructure including the installation of a virtual desktop system and the installation of emergency generators (one in Wayne one in Passaic).	307,500			268,645	1,118,416	1,694,561
037-05 Digital Tools for 21st Century Learners Purchase and installation of video conferencing equipment, mobile learning laptops, smart classrooms and multimedia materials.				323,638		323,638

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County Colleges

	GO	CIF	HEFT	HETI	ELF	TOTAL
RARITAN VALLEY COMMUNITY COLLEGE						
043-01 Science Center Addition A 23,500 sf addition to the Science Center serving chemistry, anatomy and physiology, physics, environmental science, engineering and biology featuring 4 new labs and prep rooms, 4 standard-sized classrooms, an engineering lab, and an 80 seat lecture hall. Several faculty offices, smaller seminar rooms and an expanded lobby will also be included.	6,900,000					6,900,000
043-02 Workforce Training Center Construction of new 30,000 sq. ft. building for a Workforce Training Center to provide programs in automotive technology, advanced manufacturing, emergency management, entrepreneurship and health science programs and other high demand programs that will prepare students for the workforce.			8,000,000			8,000,000
043-03 New Generation Tools for Instruction Acquisition of 300 mobile tablets; 50 laptops; 300 desktop computers; 100 thin client devices and 33 printers to reequip classrooms and computer labs; replace projectors and other related media devices in 84 classrooms and labs; provide equip. to accommodate expected growth in network connectivity and systems. This equipment is essential in employing new educational delivery methods such as the "flipped classroom" which will be used in biology, math and computer gaming.				1,093,183		1,093,183

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County Colleges

	GO	CIF	HEFT	HETI	ELF	TOTAL
RARITAN VALLEY COMM. COLLEGE cont.						
043-06 Supporting Mobile Access and B.Y.O.D. The College has experienced a 300% increase in the use of mobile devices by students, which are now limited to using 2 devices on the College's network and which are primarily B.Y.O.D. devices. The project will upgrade and expand the College's wireless network to accommodate the experienced and expected increase in use and will allow the college to explore the new "flipped classroom" methodology in Biology, Math and computer gaming projects.				425,611		425,611

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County Colleges

	GO	CIF	HEFT	HETI	ELF	TOTAL
SALEM COMMUNITY COLLEGE						
049-02 Improvements to STEM Classrooms and State-of-the-art improvements and infrastructure upgrades to Contini Hall - the sole STEM building on campus, which houses science, computer science and math classrooms, physics lab/classroom, business and accounting classrooms, nursing classrooms, and a small Computer Graphic Art lab.	3,000,000					3,000,000

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	GO	CIF	HEFT	HETI	ELF	TOTAL
SUSSEX COUNTY COMMUNITY COLLEGE						
054-01 Dark Fiber Install Installation of dark fiber network throughout Sussex County and to NJEdge.net in Newark in order to create more efficient and accessible telecommunications delivery to the college (increasing college bandwidth and connectivity) and to surrounding high schools w/in the County.			1,276,000			1,276,000
054-02 Technology Infrastructure Advancement Initiative Technology infrastructure upgrades to replace College's current system with a new core system (WebStudy LMS) and Learning Management System (LMS) with an upgraded tool set to improve operational efficiencies, incorporate more sophisticated technologies and increase connectivity and compatibility w/ NJ higher education community.				365,400	690,200	1,055,600

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County Colleges

	GO	CIF	HEFT	HETI	ELF	TOTAL
UNION COUNTY COLLEGE						
057-01 Elizabeth Science Labs Major Renovation Project Build 4 new and upgraded science labs to replace existing office space with upgraded electrical, lighting, new science equipment and draft hood for ventilation. Project includes 2 new science "wet" labs and upgrade of existing biology labs in the Lessner Building on the Elizabeth campus.	1,405,848					1,405,848

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County Colleges

	GO	CIF	HEFT	HETI	ELF	TOTAL
WARREN COUNTY COMMUNITY COLLEGE						
060-01 Technology Upgrade Project Technology upgrades that include: ERP software replacement; computer lab expansion; Data Center infrastructure improvements; and classroom/instructional technology needs.				417,000	500,000	917,000

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Private Institutions

	GO	CIF	HEFT	HETI	ELF	TOTAL
BETH MEDRASH GOVOHA						
006-01 Construction of Library and Research Center Construct new library/research ctr.; locate certain academic depts. on 3rd floor, incl.: writing resource ctr., Hebrew Studies, Adult and Continuing Ed., internship advisors, career and academic counseling.	5,118,000					5,118,000
006-02 Princeton Avenue Academic Center Construction of Academic Space Construct academic space through reconfigure of existing bldg. to incl.: 14 classrooms, ref. library, computer room, faculty offices and academic support space.	5,517,747					5,517,747

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Private Institutions

	GO	CIF	HEFT	HETI	ELF	TOTAL
BLOOMFIELD COLLEGE						
007-01 Technology Infrastructure Project Upgrade networking infrastructure for more bandwidth and speed, incl.: recabling fiber-optic layout between bldgs., purchase of related hardware, upgrade of edge connection to internet service provider.				317,500		317,500
007-02 Center for Technology, Knowledge and Creativity Construct new Center for College's Creative Arts and Technology Division by renovation/ upgrade of existing facility and new addition.	2,200,000					2,200,000

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Private Institutions

	GO	CIF	HEFT	HETI	ELF	TOTAL
CALDWELL COLLEGE						
010-01 Science Building Renovation for the Nursing Department Renovation and modernization of science lab and classrooms that support the nascent nursing program incl., main skills and health assessment labs, a simulation lab, and lecture classroom.	952,975					952,975
010-02 Strengthening Academic Capacity and Outcomes (SACO) Renovations to the Jennings Library to house the learning commons; classroom, lab and technology upgrades; the creation of 2 new centers for teaching and learning for the faculty; and the renovation of a storage area in a residence hall to house a data communications center and equipment purchases associated therewith.	731,297	239,715		171,477		1,142,489

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	GO	CIF	HEFT	HETI	ELF	TOTAL
Caldwell College cont.						
010-03 Capital Improvement Project Renewal and Renovation to address deferred maintenance inc.: replacement of roofs on Library, Theatre, Science building and Arts building; upgrading of electrical and heating distribution systems in Science building; renovation of bathrooms in residence hall; and replacement of flooring and fitness equipment in the fitness center.		1,750,718				1,750,718

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	GO	CIF	HEFT	HETI	ELF	TOTAL
CENTENARY COLLEGE						
012-01 Renovations of Science Labs at Trevorrow Hall and the Hackettstown Fish Hatchery Renovation and improvement of existing science labs in Trevorrow Hall and Hackettstown Fish Hatchery inc.: 3 labs for biology, chemistry and physics, a lecture hall, lab prep space, faculty offices, and an elevator.	1,628,000			37,000	125,000	1,790,000
012-03 Seay Building - Elevator Addition Purchase and installation of an elevator to provide access to 6 classrooms in the building.	477,000					477,000

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	GO	CIF	HEFT	HETI	ELF	TOTAL
THE COLLEGE OF SAINT ELIZABETH						
014-01 Technology Infrastructure Upgrades 1) expansion of the wireless network in all high population areas of campus, 2) implementation of a new IP/PBX phone system, 3) provision of highly available and back power for the College data center through installation of a natural gas fueled generator.				401,500		401,500
014-02 Academic Laboratory Upgrades The project consists of major renovations to all biology and chemistry labs and renovation of a Food and Nutrition Lab.	1,990,366					1,990,366

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	GO	CIF	HEFT	HETI	ELF	TOTAL
DREW UNIVERSITY						
018-01 Renovation and Expansion of the Hall of Sciences at Drew University Renovation and expansion the Hall of Sciences which is Drew's primary facility for STEM disciplines and will increase designated research and teaching areas, upgrade the University's capacity to support research and teachings in areas of high demand, support developed of new and expanded STEM courses and research and update the building's overall technology infrastructure.	2,094,000	3,202,615	759,240	51,500	703,754	6,811,109

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	GO	CIF	HEFT	HETI	ELF	TOTAL
FAIRLEIGH DICKINSON UNIVERSITY						
022-01 Science Building Roof Replacement and Restroom Renovation Replace Florham Science Building Roof, including East and West Cottage roofs, and renovate restrooms.		582,000				582,000
022-03 Hennessy Hall Smart Seminar Room Renovate Hennessey Hall using existing space to create 2 smart seminar rooms w/: lecture capture, archiving/retrieval capabilities, smart capture boards and other teaching technologies.	675,000					675,000

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	GO	CIF	HEFT	HETI	ELF	TOTAL
FAIRLEIGH DICKINSON UNIVERSITY cont.						
022-04 Barn Theatre Renovate and expand Black Box Theatre to include more flexible performance space w/ state-of-the-art lighting/sound technology; add dressing rooms, storage, restrooms and rehearsal area.	825,000					825,000
022-06 Network Infrastructure Enhancement Network infrastructure upgrade of existing private dark fiber system including: new Edge Router and increased firewall functionality; intercampus-aggregation to support both; a new DNS server; and Optical electronics.				806,188		806,188
022-10 Stadler, Zenner, Hoffmann-La Roche Smart Classrooms Renovation of 2 classrooms into smart classrooms w/ advanced teaching technologies. Bldg. serves the Colleges of Arts and Sciences and Business Administration.	225,000					225,000

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	GO	CIF	HEFT	HETI	ELF	TOTAL
FAIRLEIGH DICKINSON UNIVERSITY cont.						
022-11 Monninger Smart Classrooms Renovation of classrooms into 2 smart seminar rooms w/ lecture capture, dialog w/ off-site experts, smart capture boards and other teaching technologies. Bldg. serves the Coll. of Business.	225,000					225,000
022-13 Becton Hall Renovation Convert general classroom space into engineering, computer science and media arts labs for use by Schools of Computer Science and Engineering and Art and Media Studies.	4,553,250					4,553,250

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	GO	CIF	HEFT	HETI	ELF	TOTAL
FAIRLEIGH DICKINSON UNIVERSITY cont.						
022-16 Dreyfuss Film Studio Conversion of unfinished storage area into a new Digital Cinema Sound Stage w/ LED lights, High-Def Super 35mm sensor cameras, dimmers and electrical distribution systems for Dept. of Visual and Performing Arts and Film Program.	393,750					393,750
022-19 Science Building Lab Renovation Lab renovation including updated equipment, upgrade climate control, clean air circulating system and back-up power supply; construct conference room; refurbish lecture hall and install teaching technology; and add a computer lab for Depts. of Biology and Allied Health Sciences, Chemistry and Pharmaceutical Science.	1,875,000					1,875,000

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FELICIAN COLLEGE						
023-01 Education Commons Renovation of existing vacant building (former FDU library) into Education Commons building to house nursing labs, student study area, high tech classrooms and library research center.	2,450,000	1,000,000		375,000	550,000	4,375,000

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GEORGIAN COURT UNIVERSITY						
024-01 Hamilton Hall: Innovations and Improvements for Nursing Education Renovation for upgraded heating, electrical and fire suppression systems; window replacements; larger classrooms, increased skills lab space and simulation equipment; added technology and furniture for classrooms; ADA modifications; parking lot addition and reconfiguration.	1,031,696					1,031,696
024-02 Raymond Hall: Enhancing the Educational Experience for Tomorrow's Teachers Bldg. renovation (houses School of Education) including: paint and flooring upgrade; reconfigure of classroom space; classroom and building-wide technology enhancements; energy efficiency and safety improvements incl., ADA accessibility, upgrade of air/heating/electrical systems and installation of fire suppression system.	817,757					817,757
024-05 Arts and Sciences Building: Innovations in STEM Education Renovation of Arts and Sciences Bldg. including: teaching/classroom technology enhancements, modernize lab spaces, install fire suppression system, enhanced ventilation hoods, fits and finishes upgrades throughout, purchase equip. to support scientific research and analysis.	904,493		5,000,000 (Application for $5,520,000)		686,040	6,590,533

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PRINCETON THEOLOGICAL SEMINARY						
038-01 Enhanced IT Infrastructure for Renovated Luce Library IT infrastructure upgrade for library for expanded historical and theological research incl.: creation of digital access; upgrade of underlying communications infrastructure; a redundant, diverse-pathway fiber backbone to the network; and extension of reach of fiber optic network.				241,722		241,722
038-02 Learning Spaces: Training Room Acquisition and installation of technology in a space to allow on-site and distance training to students and staff.				113,712		113,712
038-03 Revamped Cooper Conference Room Equipping the Cooper Conference Room with 21st century multimedia functionality to expand online education and strengthen its interaction with other universities and learning communities. PTS will continue existing online programs and transition its Spanish and Portuguese Certificate programs to online.				289,889		289,889

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	GO	CIF	HEFT	HETI	ELF	TOTAL
PRINCETON UNIVERSITY						
039-01 Andlinger Center Project/Andlinger Center Fit-out Project Fit-out for new Ctr. for Energy and the Environment that supports research and teaching in sustainable energy development, conservation and environmental protection, incl.: 3 hi-tech clean room bays; 5 bays of imaging lab; an industrial collaboration lab; 2 experimental research labs; a micro/nano fabrication lab and other tools and facilities.		3,202,500				3,202,500
039-02 20 Washington Road Fit-Out Project Complete renovation of 20 Washington Road in order to consolidate the Department of Economics in one building. The building, the former Frick Laboratory, is an iconic building with 200,000 square feet of space which will be transformed into the hub of the Department of Economics and also provide space for the University's international initiatives. Construction inc. fit-out of a multi-purpose seminar room for up to 100 people, two 60-person tiered classroom/seminar rooms, seven multi-purpose classroom/seminar rooms for 20 to 50 people and ten seminar rooms.		3,250,000				3,250,000

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RIDER UNIVERSITY						
045-01 Westminster Choir College New Academic Bldg Construct new 11,790 sq. ft. academic bldg. on Rider's Princeton campus, incl.: classrooms with integrated technology and multi-media systems, a 3,415 sq. ft. recital/rehearsal room, audiovisual and information technology room, a green room, lobby and ticket booth, for the West Minster Choir College and School of Fine and Performing Arts.	4,200,000			355,000		4,555,000

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	GO	CIF	HEFT	HETI	ELF	TOTAL
SAINT PETER'S UNIVERSITY						
048-01 Dinneen Hall Renovations: Ground Floor/ Interactive Learning Halls/ School of Business Interior Renovation of 7,629 sf of Dinneen Hall (Business School) and 1,542 of outdoor space inc.: 2 smart interactive lecture halls (one includes a trading room), tech. enhanced seminar rooms, student/faculty research space, interactive digital display with financial market info., open forum for outdoor lectures, new windows, doors and hardware, new mechanical and electrical systems and new IT wiring.	2,766,000					2,766,000

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	GO	CIF	HEFT	HETI	ELF	TOTAL
SETON HALL UNIVERSITY						
050-01 Construction of Academic Building Stafford Hall Construct new academic bldg. on campus to replace 19th century structure and will incl.: 12 technology equipped classrooms, one for 75 students, one for 50 students, nine for 35 students, and one for 25 students, and bldg. will be handicapped accessible.	6,336,000		1,200,000 (Application for $2,439,000)			7,536,000
050-02 Campus Connectivity Improvements Upgrades to the core network switches on South Orange campus, replacement of fiber cable originally installed in 1996, addition of second fiber connection.				485,601	1,511,931	1,997,532
050-03 Facility Improvements HVAC improvements to the nursing building and the primary administration building and lighting improvements to the recreation center.		2,180,000				2,180,000

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STEVENS INSTITUTE OF TECHNOLOGY						
052-01 Stevens Institute Virtualized Learning Env Technology infrastructure upgrades and equipment leases for technology initiatives to launch a Virtualized Learning Environment (VLE) for students that provides access to high-compute graphic intensive educational software integral to STEM education and mirroring that used in hi-tech business and manufacturing.				1,000,000	2,500,000	3,500,000

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	GO	CIF	HEFT	HETI	ELF	TOTAL
STEVENS INSTITUTE OF TECHNOLOGY cont.						
052-05 Using Integrative and Interactive Technologies to Enhance Student-Centered STEM Education: The Unified Communications and Collaboration Environment (UCCE) Project Implementation of fully integrated video over IP, voice and data network including robust email, calendaring, and task management; personal journaling; knowledge capture and management; collaborative project and work product development; instant messaging, virtual discussion and chat; video lecture capture and redistribution; and web conferencing.			750,000	1,000,000	2,000,000	3,750,000