

Minnesota State University, Mankato

FY2018 Institutional Equipment Prioritization Work Group Recommendations

FY2018 Institutional Equipment Spending Budget Target \$ 1,000,000
Less: Prioritization Work Group Recommendation Running Total \$ (999,559)
Difference or Remaining Unspent Balance \$ 441

Report Date: June 2, 2017

Items Approved for Funding By the President's Cabinet

Item #	Divisional Priority	Division	Departmental Unit	Equipment / Furnishing Description	Rationale	Match	Quantity	Unit Price	Total Request	Divisional Running Total	Recommended for FY18 Inst Equip Funding (Type in Yes or No for automatic calc in next column)	Recommended for FY18 Inst Equip Funding Running Total
A	B	C	D	E	F	G	H	I	J	K	L	M
1	1	Academic Affairs	A&H / World Languages & Cultures	Student tables, whiteboard, storage cabinet & I-Pad locking storage & cart - AH221	Trapezoidal tables would provide for maximum configuration flexibility, allowing instructors to easily modify the room layout to accommodate individual, small or large group activities. Reconfiguration would make room for an additional whiteboard. Removing storage cabinet from underneath the teacher workstation will reduce exposed cabling and allow for more secure storage of A/V equipment. Locked storage with charging capabilities will allow the laptops to be secure when not in use and ready when needed for class.		28 tables, 1 each whiteboard, 1 each wall-mounted storage for A/V, 1 each I-Pad locking storage and charging cart	6000.00 for 28 225.00 ea 300.00 ea 700.00 ea	\$ 7,225	\$ 7,225	Yes	\$ 7,225
2	2	Academic Affairs	AH&N / Human Performance	Development of a PhyEd Teacher Ed: Motor Development and Fitness Lab in HN 188 Equipment: 1) Pull-Up Bars 2) Half Rack Lifting Station 3) Quick Grip collars for Barbell 4) VKRs/DIP 5) Agility Ladders 6) BOSU Balance Trainer 7) Ultra Fit Pro Stability Ball and chart 8) TRX Pro Suspension Trainer Set 9) Workout mats/Mobile Mat Rack 10) ClassPlus 25-Tube Wall Rack Pack 11) 5-Ball Rack Set (medicine ball) 12) TV 80" 13) TV Wall Mount 14) Full Height Storage Cabinet 15) 4 Optiplex Computers 16) HD Scaling, Auto switcher & extender 440 17) Document Camera 18) Single Channel Modular Power Amplifies 19) flooring mats 20) Warrior Ropes 21) Individual Tubing Station 22) GoPro Here5 23) Kettlebells 24) Kettle bell Charts 25) Ultra Fit Tremor Slam Balls 26) Assess Pro Curl-Up mat 27) Assess Pro Flex Solo tester 28) InstaPulse 29) Omron Body-fat Monitor 30) Hit Circuit boards/cards 31) Detonate Ignition Interval Timer 32) FitDeck Body Weight cards 33) Sony-handycam 34) Sony Camera Case 35) SanDisk 36) Sunpak-Platinum pls with 58" tripod 37) FitnessGram Software License	A recent report, issued this Fall by the National Physical Activity Plan Alliance (NPAPA) and the Centers for Disease Control and Prevention (CDC), found that over the last 20 years, high school students' attendance within high school physical education has albeit been stable, but very low. Specifically, the report indicated that one-half of high school students do not attend physical education classes. a key aspect of this decline has to do with student interest level. Students entering into high school are less motivated to participate in physical education, in part because they are not motivated to do so, as many activities (i.e., sport-oriented curriculums) do not align with their own activity interest or that of their peers (Ayers & Sariscsany, 2011). It has been recommended that schools adopt programs designed to increase participation in physical education.		all equipment listed on attached quote	\$ 24,827.79	\$ 24,828	\$ 32,053	Yes	\$ 32,053
3	3	Academic Affairs	BUS / COB	New classroom Chairs (to replace old blue ones)	Student feedback is that College of Business classroom seating has become a safety concern due to chairs being broken and damaged from heavy use over the past 15 years. Our classrooms are primarily used by the COB but are also used extensively by other colleges and student organizations in the MSU community.	15,000.00	MH209 (36) MH210 (36) AH205 (42) AH209 (42) AH216 (42) AH220 (42) Plus Teacher's Chairs for all rooms above	320 each	\$ 63,720	\$ 95,773	Yes	\$ 95,773
4	4	Academic Affairs	EDU / Military Science	Folding Roller Tables	Current tables are in a severe state of disrepair		12	\$ 442.25	\$ 5,307	\$ 101,080	Yes	\$ 101,080
5	6	Academic Affairs	Library Services	Furniture Upgrades: New Tables and Chairs for Public Seating Areas	Memorial Library users expect a variety of furniture available for different purposes. Some very old furniture (pin-wheel carrels) is falling apart and is no longer usable. It needs to be discarded and replaced. The Library will leverage this request and fund half the cost (\$10,000)	10,000.00	10 tables 40 chairs	\$ 20,000.00	\$ 10,000	\$ 111,080	Yes	\$ 111,080

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6	7	Academic Affairs	SBS / History	Eight desktop computers to replace the existing laptops in AH 001. Please see the attached configuration and pricing from SBS Tech Director Sam Erickson	The AH 0011 student collaborative environment includes a single laptop for each work station (tables seat 7-8 students) along with an instructor laptop, these machines are supposed to synch with a flat screen monitor. The laptops suffer from a number of major problems, including: 1) failure to turn on 2) extremely sluggish response when they do turn on 3) failure to synch with the flat screens that accompany each work station. AH 0011 was redesigned some years ago to feature these computers to allow students to examine historical documents available via these laptops, and to investigate instructor questions via internet research. The failure of the existing laptop computers means that instructors cannot use the room and technology as it was intended. This impedes the department's goals of having students analyze primary sources; conduct research, and discuss historical sources in groups. The SBS Tech Director recommended desktops as a lower cost alternative to laptops, with the added benefit that they will be easier to maintain.	500.00	8 desktops 1 speaker system	829.00 est. each 500.00 system	\$ 6,632	\$ 117,712	Yes	\$ 117,712
7	8	Academic Affairs	SET / Physics & Astronomy	Vibration Isolation Table	This table is a crucial piece of equipment for Dr. Dall'Asén's research lab. Dr. Dall'Asén has been building a spectroscopy research laboratory over the last three years and this piece of equipment would enable her to be fully operational.		1	\$ 25,000.00	\$ 25,000	\$ 142,712	Yes	\$ 142,712
8	9	Academic Affairs	A&H / World Languages & Cultures	Student tables, chairs, whiteboards, storage cabinet, teacher workstation, teacher chair. - AH 217/219	Trapezoidal tables would provide for maximum configuration flexibility, allowing instructors to easily modify the room layout to accommodate individual, small or large group activities. Chairs needed since classrooms currently contain desks with integrated seating & work surfaces. Replace chalkboards with whiteboards. Removing storage cabinet from underneath the teacher workstation will reduce exposed cabling and allow for more secure storage of A/V equipment. Locked storage with charging capabilities will allow the laptops to be secure when not in use and ready when needed for class.		56 tables, 56 chairs, 4 each whiteboard, 1 each wall-mounted storage for A/V, 1 Teacher desk, 1 each Teacher chair	12,000.00 for 56 14,500.00 for 56 1,600.00 for 4 600.00 ea 700.00 ea 518.00 ea	\$ 29,918	\$ 172,630	Yes	\$ 172,630
9	10	Academic Affairs	AH&N / Health Science	Mobile tables and stackable chairs for Pennington Hall 116	Makes classroom for more collaborative learning	3,150.00	attached quote	\$ 12,527.40	\$ 9,377	\$ 182,007	Yes	\$ 182,007
10	12	Academic Affairs	EDU / Counseling & Student Personnel	Extron Rackmounted Recorders	Current recorders are failing and are unreliable		8	\$ 9,375.00	\$ 75,000	\$ 257,007	Yes	\$ 257,007
11	13	Academic Affairs	Library Services	Office System Furniture for Circulation Staff Area on Second Floor	The current furniture and cubicle partitions need to be upgraded to accommodate all staff in the Patron Access Team and improve functionality. The Library will leverage this request and fund half the cost (\$15,000)	15,000.00	Existing bid with Office Systems	\$ 30,000.00	\$ 15,000	\$ 272,007	Yes	\$ 272,007
12	14	Academic Affairs	SBS / Psychology	Replacement and modernization of instructional equipment and classroom media equipment, along with replacement of classroom furnishings. Furnishings to convert to 5 collaborative student workstations and a faculty work surface/base include: 32 chairs, 6 dell laptops, 6 LED monitors, crestron control equipment.	This project seeks to refurbish a dark, substandard classroom in the basement of Armstrong Hall (rm 029). This room is used for technology intensive courses (such as Statistics for Psychology) that utilize computer workstations. The goal of this project is to create a flexible, collaborative, and technologically efficient learning environment that that better serves students and is in line with MSU's institutional priorities. When appropriately equipped and furnished, this classroom space will serve students across multiple types of instruction (lab, lecture, discussion, undergraduate, graduate, etc.).	\$20,000 from ITS for equipment.	5 student 32 chairs 6 LED monitors 1 faculty 6 laptops Crestron equipment	\$ 76,551.00	\$ 56,551	\$ 328,558	Yes	\$ 328,558
13	15	Academic Affairs	SET / Chemistry	Optima™ Max-XP Tabletop Ultracentrifuge +rotor	This instrument will be used in CHEM 360: Principles of Biochemistry, CHEM 465 and 466: Biochemical Techniques I and II. This equipment will also be used in various areas of biochemistry and biophysics undergraduate research. For example, in the Moen research group, this instrument would be used to assess changes in binding of the two main contractile proteins in muscle: myosin and actin, due to oxidative stress and disease-causing mutations.		1	\$ 50,000.00	\$ 50,000	\$ 378,558	Yes	\$ 378,558
14	16	Academic Affairs	A&H / Art	Large tank, cover, 2 smaller tanks, 2 covers, drainage mats, acid sink, backsplash, faucet Nelson 302B (Linked to R&R request)	Renovate the Printmaking Acid Room to allow proper drainage, moisture control, and safe work stations for printmaking processes as well as power washer for silkscreen processes. R&R was approved last year, but held off until proper quote could be finished.		Lg tank cover, lg small tank (2) cover, sm (2) drainage mats acid sink backsplash faucet S/H	\$ 5,000.00	\$ 5,000	\$ 383,558	Yes	\$ 383,558
15	17	Academic Affairs	AH&N / Recreation, Park and Leisure Services	Sliding Panel Whiteboards	The addition of sliding whiteboard panels will enhance instruction in the classrooms used primarily by RPLS faculty (AH 231 & AH 323). They will allow faculty to provide notes in a manner that demonstrates the interconnectedness of material being discussed. Sliding whiteboards will also allow for students to share materials for group projects and class discussions in an ongoing manner.		2 each	\$ 2,995.08	\$ 5,990	\$ 389,548	Yes	\$ 389,548

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16	18	Academic Affairs	EDU / Counseling & Student Personnel	Clearview HD Cameras	Clinical Lab Training Facility - The main clinical area on the last upgrade did not allow for cameras to be mounted in the 'group counseling' clinical area. This continues to be a need to support the teaching of group clinical counseling skills. The taped sessions afforded by the newly requested Extron Recorders and the cameras are a major instructional tool by providing feedback to students in the counseling skill acquisition on both formative and summative levels.		2	\$ 4,127.78	\$ 8,256	\$ 397,804	Yes	\$ 397,804
17	19	Academic Affairs	Library Services	Upgrade comfy furniture in Public Areas of Memorial Library	Existing sofas and comfy furniture are very worn out and need to be replaced. The Library will leverage this request and fund half the cost (\$10,000)	10,000.00	20 chairs / sofa seating	\$ 20,000.00	\$ 10,000	\$ 407,804	Yes	\$ 407,804
18	20	Academic Affairs	SBS / Geography	Office seating for reception area, student advising area, student/preceptor teaching area, informal meeting area (Linked to R&R request)	Replace chairs and furnishings in departmental office to provide a better learning and working environment (all such existing furnishings in the department are at least 10 years old and most was second-hand to begin, all are now very well worn to wearing out with visible tears and holes). This furniture will complement R&R request submitted at the same time that will 1) enhance office workspace with additional counter space, 2) create space for student preceptors to meet with lower division students, and 3) enhance student advising space in department office.		Package price: task & reception seating for 17	\$ 6,429.00	\$ 6,429	\$ 414,233	Yes	\$ 414,233
19	21	Academic Affairs	SET / Biological Sciences	Microscopes	The microscopes currently in use for BIOL 105 laboratories were "handed down" from BIOL 100, when BIOL 100 purchased new microscopes four years ago, and are at least 20 years old. These microscopes are of very low quality, and literally falling apart - to the extent that there are fewer functioning scopes every academic year. BIOL 105 is a foundational course, and microscopy skills are essential at all levels of study in Biology. It is therefore important that freshmen Biology majors have fully functional microscopes to use, in order to learn how to use a microscope well. Meeting this objective requires the purchase of good quality microscopes that are built to withstand constant rugged use.		20	\$ 1,500.00	\$ 30,000	\$ 444,233	Yes	\$ 444,233
20	22	Academic Affairs	AH&N / Nursing	Sim Junior Tan Skin Manikin, Laptop LLEAP Instructor/patient monitor, network switch; Lithium Ion Battery; Link Box; LLEAP training; ValuePlus Platinum 2 warranty (2 year).	The simulation center does not have child age (6-8) manikins at this time. Teaching family nursing to nursing students and community stakeholder groups is difficult to do without a lifespan of mannequin patients. The tan skin will allow us to teach and foster ethnic/cultural diversity. The LLEAP equipment is an innovative application that allows teaching in any location and as a wireless option. The mannequin may be taken to any classroom or simulation room for teaching/learning.		1	\$ 28,282.82	\$ 28,283	\$ 472,516	Yes	\$ 472,516
21	23	Academic Affairs	SBS / Geography	Aerial Drones and required accessories (seven drones, one tablet per drone, batteries, chargers, car chargers, sensors, replacement propellers)	Aerial drones are now actively used in precision agriculture, natural resources observation & evaluation, and are now a standard part of geospatial technologies. To keep MSU students at the cutting edge to be ready for employment hands-on training with drones is essential. This equipment can easily be integrated into a number of existing Geography courses that involve work in the field and in geospatial technologies. This is a special package price for seven drone units and includes all related accessories and sensors.		Package price: 7 drones and all related accessories and sensors	\$ 24,257.00	\$ 24,257	\$ 496,773	Yes	\$ 496,773
22	25	Academic Affairs	AH&N / Nursing	BLine Live Capture Servers	LiveCapture: This is a product that would be HIPPA protected and allow us to move forward with customized training, keeping it protected and separate from our academic environment. Requires one server per simultaneous simulation, meaning if we want to run and record two simulations at the same time we would need 2 servers. Due to the recent increase in simulation space and capacity in the Clinical Sciences Building, 2 additional servers are needed to accommodate additional simulation requests from Human Performance, Nursing, Dietetics, Peech, U.M. Medical Residents, and external customized training stakeholders. This additional capacity for live feed/recording of simulations would allow us to offer simulation opportunities to more on campus programs also.		2	\$ 25,000.00	\$ 50,000	\$ 546,773	Yes	\$ 546,773
23	26	Academic Affairs	SET / Chemistry (and Math/others)	This request is twofold: (1) We need to expand the Identification Key Card Access program in use on the third floor of Ford Hall. Currently, the research laboratory entry doors and a few other entry doors are part of the program; these are denoted by the X's on the appended map of third floor, Ford hall. Chem is requesting that the program be expanded to include the 5 inner room doors denoted by the O's on the same map. (2) At least two other offices need card access as well (Math (multiple rooms), Biology, Dean's office, etc.)	This will create greater security for chemical stockrooms and research laboratories that contain chemicals and equipment which are useful in illicit tasks and thus should be kept more secure to lower the University's risk and liability. Ultimately, the best situation would be to expand the Key Card program to all doors, but due to cost considerations, this modest expansion would have the best risk-return.		7 Key Card access pads	\$ 5,000.00	\$ 35,000	\$ 581,773	Yes	\$ 581,773

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24	28	Academic Affairs	SET / CSET	Classroom Chairs (various locations) and tables in C108 (only)	Classroom chairs which were purchased during the renovation of Trafton S, N, and E have not held up to the abuse over the past 8 years. We have many classrooms where chairs have been repaired or replaced only to break again. TRE 225 has 98 seats and as of 11-28-16 only 89 chairs remain. Of these there are many where partial welds are breaking allowing the back of the chairs to simply break off. We are estimating a total of 250 classroom chairs need replacing. Tables in C108 are 40 years old and are worn out.		250	\$ 200.00	\$ 21,000	\$ 602,773	Yes	\$ 602,773
25	1	Student Affairs	Community College Relations	Conference table with plug infeed and 4 chairs	A conference table with plug infeeds with four chairs needed for a small space necessary for vet students to have in center		see quote	\$ 3,936.15	\$ 3,936	\$ 3,936	Yes	\$ 606,709
26	2	Student Affairs	Security	Two dispatch workstations need replacing.	Two of several computer workstations in security dispatch require replacement. These two workstations are mission critical for monitoring security cameras and other processor dependent uses. New version of our video management system requires more resources than the ones needing replacement. Portion of upgrade held until replacement high-end computers are installed.	2,900.00	2	\$ 5,800.00	\$ 2,900	\$ 6,836	Yes	\$ 609,609
27	3	Student Affairs	Security	Security cameras associated with the added access control in line 1 & replace interior cameras that are no longer supported.			10	\$ 800.00	\$ 8,000	\$ 14,836	Yes	\$ 617,609
28	4	Student Affairs	Security	Card Access for Myer's Fieldhouse, Pennington Foundation and CORE	Continue progress on the after-hours security plan to provide at least one card access entrance with one security camera for every building		3	\$ 13,250.00	\$ 39,750	\$ 54,586	Yes	\$ 657,359
29	5	Student Affairs	Security	Expand security communications system.	To expand communications interoperability with cooperating public safety agencies--to the effect of improved campus community safety and improve communications efficiency with emergency responders.	6,500.00	1	\$ 13,000.00	\$ 6,500	\$ 61,086	Yes	\$ 663,859
30	1	Finance & Administration	Facilities Management - Physical Plant - Grounds (214009)	Bobcat Toolcat 5600	The toolcat will be used year around. The use is for campus landscape projects, moving items on campus, and daily trash removal. Having this toolkit also will reduce the time necessary to salt/sand campus walkways. This will improve the preventions of slips and falls, keeping us from future lawsuits.	\$5,000 from 337835 Parking Maintenance account.	1	\$ 57,000.00	\$ 52,000	\$ 52,000	Yes	\$ 715,859
31	2	Institutional	Building Services (& University Scheduling) (214005)	Folding chairs needed (\$50 per indoor chair x 200 indoor chairs = \$10,000. Existing chair inventory is 560 folding chairs.) Carts for stacking chairs (\$550 per cart x 4 carts = \$2,200). Outdoor and indoor tables (\$120 per table x 30 tables = \$3,600). Existing inventory is 120 tables for academic buildings.	Existing chair inventory is used for special events by departments throughout the campus. Routine use is hard on existing inventory and requires purchase of new units to keep pace with demand. University Scheduling will provide \$2,000 toward the cost of the purchase. Additionally, \$2,500 is being contributed by the Alumni and Special Events Office. Existing carts take a beating rolling around the campus to address the needs of both indoor and outdoor events. Existing table inventory is used for special events by departments throughout the campus. Routine use is hard on existing inventory and requires purchase of new units to keep pace with demand. University Scheduling will provide \$500 against the cost of the purchase.	\$5,000	200 Chairs, 4 Carts, 30 Tables	\$50 per chair, \$550 per cart, & \$120 per table	\$ 11,300	\$ 63,300	Yes	\$ 727,159
32	5	Finance & Administration	Intercollegiate Athletics	Throwing cage system/Indoor Track in Myers Field House	Replace outdated throwing cage in Myers Field House used for indoor track/field weight throwing practice and competitions. Current system is a huge safety concern as netting and framework design poses increased risk of injury to participants and spectators, especially considering the proximity of the long jump pit area to the current throwing cage. A new netting/framework/motorized hoist throwing cage system would greatly reduce the potential for injury and make the area much safer for all who utilize the space.	\$ -	1	\$ 34,900.00	\$ 34,900	\$ 98,200	Yes	\$ 762,059
33	6	Finance & Administration	Facilities Management - Physical Plant - Maintenance Vehicles (214014)	Maintenance Service Vehicles	Request funding to replace Maintenance Fleet Vehicles. The fleet is a hodgepodge of aging, mechanically deficient vehicles. Many vehicles were aged out of the passenger fleet and are not supportive of the maintenance activity. The intent is to purchase used maintenance vehicles	\$25,000 from 214014 Maintenance Vehicle Operations Cost Center + \$3,000 Estimated Auction Receipts.	6	\$ 12,000.00	\$ 44,000	\$ 142,200	Yes	\$ 806,059

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34	7	Finance & Administration	Intercollegiate Athletics	Field cover	All-element field cover that would be shared and utilized for both the football and soccer fields. Because of the success of these programs, the seasons are extending later and later into the Fall and where we are more at risk of inclement weather for practice or competition. Our programs are the beneficiaries of having some of the best-maintained natural grass fields in the country and these covers better ensure the late-season playability and help us avoid the risk of postponement or cancellation related to heavy rain, sleet, or snow that are certainly possibilities in the latter part of the football and soccer seasons. This heavy-duty cover provides the type of durability that would allow heavy snow removal equipment to operate over it without risk of damage to the cover.	\$ -	1	\$ 29,900.00	\$ 29,900	\$ 172,100	Yes	\$ 835,959
35	9	Finance & Administration	Facilities Management - Facilities Services (215022)	External CCTV Camera Upgrades	Six CCTV Camera upgrades are being requested. Parking & Transportation Program will share in the cost.	337835 Parking Maintenance will cover \$25,000 (50%) of costs associated with CCTV cameras.	5	\$ 10,000.00	\$ 25,000	\$ 197,100	Yes	\$ 860,959
36	11	Finance & Administration	Intercollegiate Athletics	Athletic Trainer room rehab equipment	Replace aging rehab equipment in Athletic Training area used by MSU students to recover from injuries and prevent future ones. Existing treadmills becoming a safety hazard from wear and tear. Too old to properly repair.	\$ -	3	\$ 6,000.00	\$ 18,000	\$ 215,100	Yes	\$ 878,959
37	12	Finance & Administration	Intercollegiate Athletics	Updated weight room equipment - squat/bench lifting stations	Replace old squat lifting stations, bench stations and equipment that is becoming worn and potentially hazardous. Also create more efficient use of space with new combination squat/bench stations.	\$ -	4	\$ 5,300.00	\$ 10,600	\$ 225,700	Yes	\$ 889,559
38	1	ITS	IT Solutions Video	Studio lighting equipment. Camera equipment. Control room equipment.	Studio lighting equipment for production studio and new camera equipment for collaborative use by IT Solutions Video, B507, and Film Studies. Purchase replacement control room equipment for live production teams to be installed in production studio.	0.00		\$ 30,000.00	\$ 30,000	\$ 30,000	Yes	\$ 919,559
39	2	ITS	IT Solutions	Collaborative office furniture; tables, workstations, desks, cubicle walls, etc.	IT Solutions will be getting new carpet and redesigning our entryway and work areas. This will include collaborative workspaces that will allow us to have faculty, staff, and students come to work directly with IT. This will also create a space that our employees who work across the campus can come and work near their peers. Additionally, this new space will allow us to test out new collaborative workspaces and technologies while hosting meetings and professional development. IT Solutions will provide \$45,000 in matching for remodel costs and furniture upgrades. We are already working through R&R on carpet replacement.	45,000.00		\$ 90,000.00	\$ 45,000	\$ 75,000	Yes	\$ 964,559
40	1	University Advancement	University Advancement	6-Seat 48 Volt Golf Cart	To tour older or less-mobile donors on campus tours, transport key legislators to meetings across campus, or provide alumni and friends with transportation with transportation to meet with key stakeholders throughout campus.		1	\$ 15,000.00	\$ 15,000	\$ 15,000	Yes	\$ 979,559
41	1	Institutional	Environmental Health, Safety, and Risk Mgmt.	Funds needed to address campus-wide department ergonomic chair and other requests.	Historically, the Institutional Equipment Prioritization Committee has set aside \$20,000 to assist with unexpected ergonomic issues that arise for employees across the University each year. This is done to make work environments more safe for employees and to reduce workers compensation costs. Fund is managed by the Environmental Health, Safety, & Risk Management Director Chandler Holland.		1	\$ 20,000.00	\$ 20,000	\$ 20,000	Yes	\$ 999,559
Items Recommended for Funding By Institutional Equipment Prioritization Committee Subtotal									\$ 999,559	\$ 999,559		\$ 999,559

Items Not Recommended for Funding at this time.

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42	5	Academic Affairs	Graduate Studies and Research	Computer Hardware	Most computers are over three years old and are becoming problematic. Also, computers are being requested to support new positions.		1 RASP teaching Director consultants 1 Honors Director 2 CESR 1 Honors 1 URC 1 CESR 1 CESR Director	1 - 2,000 1 - 1,400 1 - 2,875 1 - 1,500 2 - 899 1-1,449	\$ 11,022	\$ 11,022	No	
43	24	Academic Affairs	SET / Integrated Engr & Computer Sci	Replace laboratory computers	This request is for funding to replace 31 computers for the CS lab in TE-315. The existing machines are no longer under warranty or service agreement. Their maintenance has become problematic due to failing components and heavy use. The request is for 31 desktop computers in a configuration which is essentially the same as the existing one, a configuration which works well for the needs of that lab. The lab serves CS110, CS111, CS220, CS230, CS271, CS305, CS315, CS330, CS350, CS430, CS455, CS460 and CS461 and also serves as an open lab for students in Computer Science, AMET, CE, Math, Physics and other courses.		31	\$ 1,149.00	\$ 35,619	\$ 46,641	No	
44	27	Academic Affairs	AH&N / Dental Hygiene	Custom Cabinetry with locks to hold equipment and supplies in Dental Simulation Lab CSB 143	The new simulation lab did not include any cabinetry needed to store instruments and supplies We are unable to purchase these with Delta Grant monies as the grant is restricted to patient care only. Without these cabinets we are unable to secure our instruments and supplies, which are valued at over \$50,000.	4,000.00	1	\$ 9,133.58	\$ 5,134	\$ 51,775	No	
45	29	Academic Affairs	SET / Biological Sciences	Process Plant Trainer	The requested process control module (a simulator system) will replace a broken system about 20 years old, too old for repair. The module is important to the Biotechnology Program; is the only hands-on exposure students receive to process control. A critical part of the biotech program which is currently experiencing growth. The module will also complement the electrical engineering program as well as the mechanical engineering program where relevant process control is part of curriculum.		1	\$ 15,000.00	\$ 15,000	\$ 66,775	No	

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46	30	Academic Affairs	SET / ECET Microfabrication Lab (Clean Room) renovation: Muhammad Khaiq and Puteri Megat Hamari	1. NXQ4006 Semi Automatic Mask Alignment System; 2. Photoresist Spinner	1. This semi-auto mask aligner will replace the obsolete Q-2001CT mask aligner in the Microelectronics Fabrication lab. This aligner has sub micron print resolution down to 0.6um, an option of joystick for easy alignment and PLC controlled for easy operation. This equipment also has video view microscope for easy alignment procedures. It will significantly reduce the time spent on photolithography process especially when a large number of students are enrolled in the related courses. This new equipment has backside alignment feature for patterning on both sides of a wafer. It will reduce maintenance costs for the department due to its high reliability and reduce material costs as it has far greater accuracy. Set up time will be reduced as it will not require daily calibration and adjustment. This unit will be used for lab courses for EE 480, EE480, EET 492, EE 680, for graduate research projects, and faculty research projects on Microelectronics, Nano electronics, MEMS, and on Solar Cells. Including in the quoted amount \$3,000 for shipping and handling because it will require air ride shipment. 2. To replace an industry used used production equipment, which was modified to suite our Microelectronics Fabrication Lab need. The existing unit was used over ten years when we got 30 years ago. It is giving problems and its circuit schematic is not available. Requires maintenance few times during each semester. The new unit will be research equipment with no wastage.	Possible Leveraged Equipment Match of \$133,000	1	System 207,850 Spinner 10,000	\$ 84,850	\$ 151,625	No	
47	31	Academic Affairs	SET / Construction Mgmt	Total Stations (GPS Surveying Equipment Tripods)	We are in need of replacing out of date equipment that is used several times each week by both the CM Department and the Civil Engineering Program		5	\$ 5,200.00	\$ 26,000	\$ 177,625	No	
48	32	Academic Affairs	SET / Chemistry	Spectropolarimeter	This equipment would be used in CHEM 360; Principles of Biochemistry, CHEM 465 and 466; Biochemical Techniques I and II and CHEM 450 Physical Chemistry Lab. This instrument will also be used in various areas of biochemistry and biophysics undergraduate research.		1	\$ 131,200.00	\$ 131,200	\$ 308,825	No	
49	33	Academic Affairs	SET / Chemistry	Shimadzu GCMS - Student package	This instrument is a student grade instrument and lacks some of the research capabilities of the current instrument but has some basic GCMS capabilities; and is used in CHEM 423 and research.		1	\$ 58,500.00	\$ 58,500	\$ 367,325	No	
50	34	Academic Affairs	SET / Mathematics and Statistics	Desks and Whiteboards	The desks in WC 351 and 357 need replacement (about 80-90 total) and each room needs whiteboards instead of chalkboards		2 Rooms	\$ 17,000.00	\$ 34,000	\$ 401,325	No	
51	35	Academic Affairs	SET / Construction Mgmt	Robotic Station	This makes the new GPS equipment to be state of the art. Includes necessary accessories	15,468.37 from Trimble / Leveraged	1	\$ 15,406.38	\$ 15,406	\$ 416,731	No	
52	36	Academic Affairs	SET / ECET Automation Lab Gale Allen	Upgrade laboratory of eight automation stations. Replace obsolete control electronics, add air controls and add variable speed motors.	Current 10-year old control electronics are obsolete and not available. New control electronics and associated components are critical to extend the lifetime of the laboratory. Air control and variable speed motors will enable student learning in these significant applications.		8	\$ 6,275.00	\$ 50,200	\$ 466,931	No	
53	37	Academic Affairs	SET / ECET Computing and Design Lab Xuanhui Wu, Qun Zhang and Puteri S. Megat Hamari	Dell Precision 7910 Workstation	These workstations will be used for computationally intensive modeling of complex engineering problems and design such as antenna design, IC design, communication and signal processing system design, and microwave device design They will be used in the courses EE 341, EE487, EE622, EE 672, and EE476/576.		8	\$ 6,085.00	\$ 48,680	\$ 515,611	No	
54	38	Academic Affairs	SET / ECET Power Systems Lab and Machines Equipment Winstead/Zheng/Mandojana	Power Systems lab and machines equipment: (1) 8010-E Power Transmission Trainer with optional wind turbine simulator module, (2) 10 DC motor/generators, (3) 10 synchronous motor/generators	This equipment will allow the EET 355 course to conduct experiments in voltage stability on physical hardware as well as allow the EE 482, EE 474/574, EE 473/573, and EET 355 courses to have new and functioning machine modules for the machines lab to support the laboratory experience of the aforementioned courses.		1	\$ 80,000.00	\$ 80,000	\$ 595,611	No	
55	7	Student Affairs	Campus Recreation in collaboration with Human Performance and the Wellness Committee	Complete 9-hole Disc Golf Course and Fitness Trail	We secured \$10,000 in Institutional Equipment funding in FY15 to build a 9 hole disc golf course in summer 2015, but over \$5,000 of that funding was taken back during budget cuts. We were not able to complete the tee pads and signage. In addition, we have a need for signage at the fitness trail to indicate a 5K route, distance of the three loops, a marked start/finish line, and a map to be located at the start of the fitness trail.		1	\$ 5,600.00	\$ 5,600	\$ 5,600	No	
56	8	Student Affairs	Student Health Services	Exam Tables	SHS medical exam tables are nearly 20 years old. We have 13 exam rooms and have upgraded 2 over the past few years by purchasing a handicap accessible table and an orthopedic table. We would like to purchase three additional exam tables to phase out older beds. These new tables are easier for shorter or heavier individuals to get off and on and the accessible table provides motorized lifting.	\$6,500 (two beds recently purchased)	4	1 x \$1800 3 x \$1400	\$ 6,000	\$ 11,600	No	

Item #	Divisional Priority	Division	Departmental Unit	Equipment / Furnishing Description	Rationale	Match	Quantity	Unit Price	Total Request	Divisional Running Total	Recommended for FY18 Inst Equip Funding (Type in Yes or No for automatic calc in next column)	Recommended for FY18 Inst Equip Funding Running Total
A	B	C	D	E	F	G	H	I	J	K	L	M
57	9	Student Affairs	Student Health Services	OmegaWave Sensor	This machine tests student-athletes' sympathetic and parasympathetic systems to quantify cardiac and central nervous system stress. See attached quote from company. Athletic Training would also benefit from this equipment request.	\$1,200 (iPad Pro x 2)	see quote	n/a	\$ 15,893	\$ 27,493	No	
58	8	Finance & Administration	Intercollegiate Athletics	Portable, elevated press box/timing booth/concessions and ticketing trailer	For use with electronic timing system that is part of outdoor track facility. Elevated booth needed for timing system controls and also serve multiple purposes as press box, concessions area and ticketing trailer. Portability allows for placement at different field positions and facilities as needed.	\$ -	1	\$ 25,500.00	\$ 25,500	\$ 25,500	No	
59	10	Finance & Administration	Facilities Management - Planning and Construction (215024)	Plotter Upgrade	Existing plotter needs upgrade for construction drawings.	215024 Planning & Construction to cover \$3,000 as trade-in value on existing unit.	1	\$ 33,000.00	\$ 30,000	\$ 55,500	No	
60	13	Finance & Administration	Facilities Management - Physical Plant - Utility Plant (214011)	Scissors Lift	Small 2 person scissor lift. Lift used to access in and around the Boiler Room and other areas with space constraints.	None	1	\$ 6,000.00	\$ 6,000	\$ 61,500	No	
61	14	Finance & Administration	Facilities Management - Physical Plant - Grounds (214009)	Bobcat S590	The new machine will replace a 2008 bobcat that is used year around on campus. Some of the jobs this machine does is large landscaping ,sodding and restoring damage after building projects all completed on campus. The bobcat also remove snow in the winter on walkways and parking lots The warranty is over on this machine, which will increase the cost of repairs.	Trade-in Value of older machine - \$15,000.	1	\$ 41,000.00	\$ 26,000	\$ 87,500	No	
62	15	Finance & Administration	Intercollegiate Athletics	Radiant turf cover	A winter turf blanket/growth cover that would be shared and utilized for both the football and soccer fields. Our programs are the beneficiaries of having some of the best-maintained natural grass fields in the country and in addition to protecting the fields from the winter elements, it promotes faster growth in the spring. The radiant turf cover would complement the purchase of the heavy duty, all-weather field cover referenced above and would be utilized for less significant late season inclement weather (i.e.-light rain, drizzle) forecasted before postseason competition.	\$ -	1	\$ 19,900.00	\$ 19,900	\$ 107,400	No	
63	16	Finance & Administration	Facilities Management - Physical Plant - Grounds (214009)	John Deere Turf Tractor	Replacement for the 2004 John Deer Tractor. Current 30 year old tractor is at Kibble for repair with an outstanding bill of \$1,700 which Kibble will forgive if we complete the purchase of the used machine. The replacement tractor is used for all maintenance of Recreation and Athletics fields. The used tractor comes with turf tires (saving us approximately \$1,700) as it was previously owned by the Mankato Golf Club.	Trade-in Value of older machine - \$1,500.	1	\$ 13,500.00	\$ 12,000	\$ 119,400	No	
64	17	Finance & Administration	Facilities Management - Physical Plant - Grounds (214009)	Verti drain Aerator	This aerator will replace the 2004 machine that we have now. This machine improves the soil condition, and reduces the compaction on athletic and campus rec fields. The machine is used daily throughout the season and one of the new features is that the machine travel speed is double. This will reduce fuel and labor use, . We will be trading in the old machine.	Possible trade in or public sale - \$1,000	1	\$ 35,000.00	\$ 34,000	\$ 153,400	No	
65	18	Finance & Administration	Facilities Management - Physical Plant - Grounds (214009)	Articulated Boom Life	The lift will replace the 1996 Z60/34 machine. The current machine requires significant maintenance with more than \$20,000 deferred maintenance. The 2008 Z80/60 proposed replacement will allow an extended reach.	Trade-in or estimated auction value - \$4,000.	1	\$ 61,935.00	\$ 57,935	\$ 211,335	No	
66	3	ITS	IT Solutions Tech Services	SAN Replacement	Requesting funds for replacement of 5-year-old Storage Area Network equipment. These SANs store all of the data for all of the servers that the University uses (except Office 365). All file servers, virtual servers, print servers, databases, security video, web servers, etc. use this to store files and it is the heart of the campus information system. A combination of General Funds for equipment replacement, Technology fees and ImageNow revenue will also help replacement costs. Estimated purchase price is \$450,000.	370,000.00		\$ 450,000.00	\$ 80,000	\$ 80,000	No	
67	4	ITS	IT Solutions Academic	ACC Remodel - Furniture Costs for new work spaces; tables, chairs, soft seating, movable white boards	IT Solutions is committed to providing the best possible learning spaces for our students on campus. During our normal technology fee consulting process the students have clearly said they would like the ACC space to be updated with new technology and furniture that promotes collaboration. Additionally, we heard feedback about the institutional look of the lab. Students brought up the fact that many stay over the weekend and work in the space and would love it to be a little more comfortable. So, with that in mind, we are working to slowly turn the space in a comfortable, collaborative, and technology-rich environment that promote learning. IT Solutions to provide up to \$80,000 in matching funds.	80,000.00		\$ 160,000.00	\$ 80,000	\$ 160,000	No	

Items Not Recommended for Funding At This Time Subtotal **\$ 994,439**

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Items that do not seem to meet the criteria for funding

Item #	Divisional Priority	Division	Departmental Unit	Equipment / Furnishing Description	Rationale	Match	Quantity	Unit Price	Total Request	Divisional Running Total	Recommended for FY18 Inst Equip Funding (Type in Yes or No for automatic calc in next column)	Recommended for FY18 Inst Equip Funding Running Total
68	11	Academic Affairs	BUS / COB	Benches	For the convenience of students, four benches will be outside faculty offices on the 1st floor and four on the 2nd floor of Morris Hall.	1,000.00	8 each	\$ 400.00	\$ 2,200	\$ 184,207	No	
69	6	Student Affairs	Campus Recreation	New/Replacement Software	We are using 17 year old Equipment Checkout & Intramural Sports Software and it needs to be updated. We are having issues with it and there are no updates and support any longer.		1	\$ 10,000.00	\$ 10,000	\$ 71,086	No	

Items Not Recommended for Funding Due to Not Meeting Criteria Subtotal \$ 12,200

Grand Total All Requests \$ 2,006,198