University of Massachusetts Boston Summary:

-FY25-29 Capital Plan



FY25-29 UMB 5-Year Capital Plan - \$159.1M

Local Reserve From Depreciation

\$122.6M

Local Funding Sources FY25 (Local Cash)

\$54.5M

- \$37.0M Deferred Maintenance/Infrastructure
 - \$13.4M Related to DCAMM split
- \$13.4M Compliance/Safety
 - \$2.4M Related to DCAMM split
- \$2.5M IT Infrastructure/Software
- \$0.6M Equipment
- \$0.5M Auxiliary/Revenue Operations
 - In Parking and Marine Ops who currently have deficit balances, making investment required from Local Reserve.
- \$0.4M Instruction
- \$0.1M Research
- Local Funding Sources FY26-28 (Local Cash)

\$68.1M

- \$39.2M Deferred Maintenance/Infrastructure
 - \$19.0M Related to DCAMM split
- \$25.7M Compliance/Safety
 - \$19.0M Related to DCAMM split
- \$1.7M IT Infrastructure/Software
- \$0.7M Auxiliary/Revenue Operations
 - · In Parking and Marine Ops who currently have deficit balances, making investment required from Local Reserve.
- \$0.5M Equipment
- \$0.2M Instruction
- \$0.1M Research

Revenue Based Operations

\$7.1M

- \$4.7M Research
 - RTF/Startup
- \$2.1M Instruction
 - Lab Fees
- \$0.1M IT/Infrastructure
- \$0.1M Auxiliary/Revenue Operations

State

\$20.5M

DCAMM funding

\$5.5M

Vendor Contracts

\$1.9M

• Dining Contract **Federal**

Fair Share (State)

\$1.5M

CSM Lab Renovation



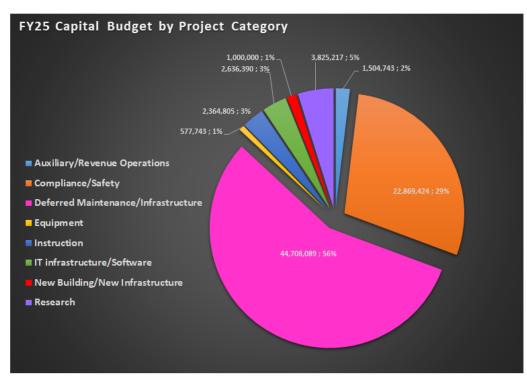
FY25-29 UMB 5-Year Capital Plan - \$159.1M

- Relationship to Strategic & Master Plans:
 - Completed a new Campus Master Plan to set the course for the next decade plus.
 - New capital projects are focusing on critical deferred maintenance and compliance/safety related issues, with a particular emphasis on Title IX compliance enhancing initiatives in Athletics.
 - Federal funds have been secured to complete CSM lab renovations.
- Focus on Deferred Maintenance:
 - Boston's current capital projects are focusing on identified deferred maintenance in some of our older facilities.
 - Projects are focusing on primary transformers, HVAC, retro-commissioning, roof replacement, utility/building controls submetering & improvement, façades, entrances, and classrooms/common spaces.
- Commitment to Sustainability:
 - Boston continues its focus on sustainability and resiliency and has completed a Campus Energy Carbon Master Plan to guide the Campus toward net zero by 2050 and to meet the interim milestone goals set by the State.
 - A major overhaul and expansion of capacity of the Campus' Salt-Water Pump House and harbor cove dredging project has been launched to utilize clean, green sources of cooling and potentially heating.

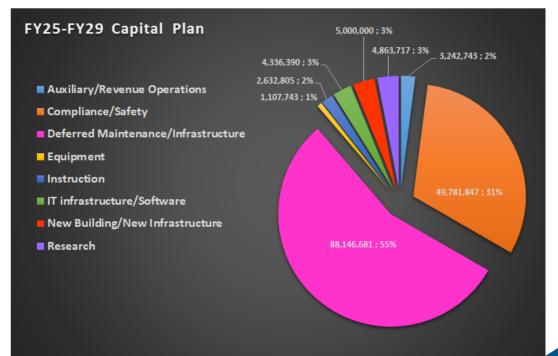


FY25-29 UMB 5-Year Capital Plan - \$159.1M (by project category)

| Project Category | FY25 Capital Budget | % of Total |
|-------------------------------------|---------------------------|------------|
| Auxiliary/Revenue Operations | 1,504,743 | 1.89% |
| Compliance/Safety | 22,869,424 | 28.77% |
| Deferred Maintenance/Infrastructure | 44,708,089 | 56.25% |
| Equipment | 577,743 | 0.73% |
| Instruction | 2,364,805 | 2.98% |
| IT infrastructure/Software | 2,636,390 | 3.32% |
| New Building/New Infrastructure | 1,000,000 | 1.26% |
| Research | 3,825,217 | 4.81% |
| Total | 79,486,410 | 100.00% |



| Project Category | FY25-FY29 | % of Total |
|-------------------------------------|-------------|------------|
| | Capital | |
| Auxiliary/Revenue Operations | 3,242,743 | 2.0% |
| Compliance/Safety | 49,781,847 | 31.3% |
| Deferred Maintenance/Infrastructure | 88,146,681 | 55.4% |
| Equipment | 1,107,743 | 0.7% |
| Instruction | 2,632,805 | 1.7% |
| IT infrastructure/Software | 4,336,390 | 2.7% |
| New Building/New Infrastructure | 5,000,000 | 3.1% |
| Research | 4,863,717 | 3.1% |
| Total | 159,111,925 | 100.0% |

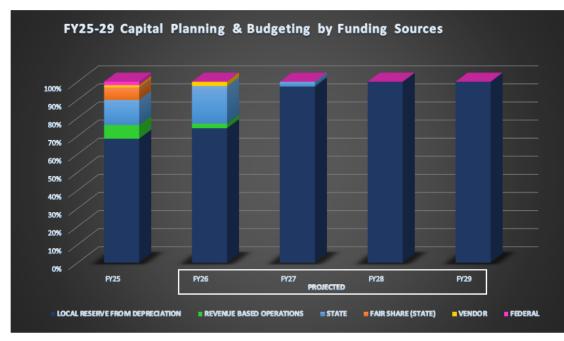




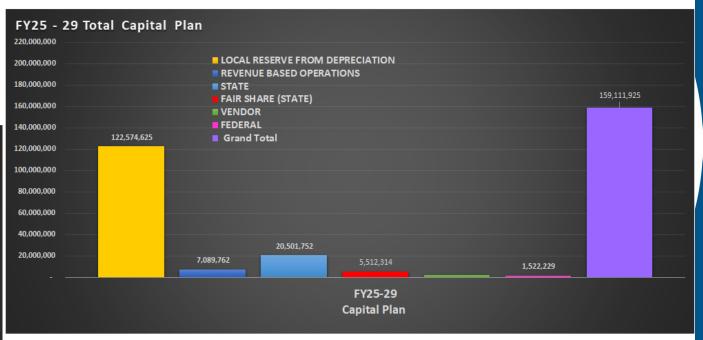
FY25-29 UMB 5-Year Capital Plan - \$159.1M (by funding source)

| Funding Source \$ Amount | FY25 | FY26 | FY27 | FY28 | FY29 |
|---------------------------------|------------|------------|------------|-----------|-----------|
| LOCAL RESERVE FROM DEPRECIATION | 54,454,901 | 31,372,406 | 24,657,427 | 9,534,519 | 2,555,373 |
| REVENUE BASED OPERATIONS | 6,011,762 | 1,072,000 | 6,000 | - | - |
| STATE | 11,073,961 | 8,761,658 | 666,133 | - | - |
| FAIR SHARE (STATE) | 5,512,314 | - | - | - | - |
| VENDOR | 911,243 | 1,000,000 | - | - | - |
| FEDERAL | 1,522,229 | - | - | - | - |
| Total | 79,486,410 | 42,206,064 | 25,329,560 | 9,534,519 | 2,555,373 |

| Funding Source % | FY25 | FY26 | FY27 | FY28 | FY29 |
|---------------------------------|--------|--------|--------|--------|--------|
| LOCAL RESERVE FROM DEPRECIATION | 68.5% | 74.3% | 97.3% | 100.0% | 100.0% |
| REVENUE BASED OPERATIONS | 7.6% | 2.5% | 0.0% | 0.0% | 0.0% |
| STATE | 13.9% | 20.8% | 2.6% | 0.0% | 0.0% |
| FAIR SHARE (STATE) | 6.9% | 0.0% | 0.0% | 0.0% | 0.0% |
| VENDOR | 1.1% | 2.4% | 0.0% | 0.0% | 0.0% |
| FEDERAL | 1.9% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |



| Funding Source | FY25 | FY26 | FY27 | FY28 | FY29 | FY25-29 | % of Total |
|---------------------------------|------------|------------|------------|-----------|-----------|--------------|------------|
| | | | | | | Capital Plan | |
| LOCAL RESERVE FROM DEPRECIATION | 54,454,901 | 31,372,406 | 24,657,427 | 9,534,519 | 2,555,373 | 122,574,625 | 77.0% |
| REVENUE BASED OPERATIONS | 6,011,762 | 1,072,000 | 6,000 | - | - | 7,089,762 | 4.5% |
| STATE | 11,073,961 | 8,761,658 | 666,133 | - | - | 20,501,752 | 12.9% |
| FAIR SHARE (STATE) | 5,512,314 | - | - | - | - | 5,512,314 | 3.5% |
| VENDOR | 911,243 | 1,000,000 | - | - | - | 1,911,243 | 1.2% |
| FEDERAL | 1,522,229 | - | - | - | - | 1,522,229 | 1.0% |
| Grand Total | 79,486,410 | 42,206,064 | 25,329,560 | 9,534,519 | 2,555,373 | 159,111,925 | 100.0% |





FY25-29 Local Funding from depreciation reserve

| | FY25 | FY26 | FY27 | FY28 | FY29 | TOTAL |
|--------------------------------------|---------------|--------------|--------------|--------------|--------------|------------------|
| Starting Capital funding carry-fwd | 64,158,875 | 39,584,664 | 38,380,433 | 43,860,004 | 63,512,825 | |
| Depreciation | 43,413,321 | 45,400,805 | 45,969,629 | 45,472,340 | 45,138,373 | 225,394,469 |
| Debt Principal | 13,532,631 | 15,232,631 | 15,832,631 | 16,285,000 | 16,545,000 | 77,427,893 |
| Net Available Funding | 94,039,565 | 69,752,838 | 68,517,430 | 73,047,344 | 92,106,198 | 397,463,375 |
| Auxiliary/Revenue Operations | 456,000 | 738,000 | - | - | - | 1,194,000 |
| Compliance/Safety | 13,405,267 | 7,685,241 | 8,606,505 | 7,634,519 | 1,780,373 | 39,111,905 |
| Local Funding related to DCAMM split | 2,410,626.00 | 6,462,741.00 | 8,134,005.00 | 7,162,019.00 | 1,780,373.00 | 25,949,764.00 |
| Deferred Maintenance/Infrastructure | 37,063,742 | 21,860,665 | 15,505,922 | 1,475,000 | 375,000 | 76,280,328 |
| Local Funding related to DCAMM split | 13,473,234.23 | 8,071,080.58 | 9,939,927.81 | 1,000,000.00 | - | 32,484,242.62 |
| Equipment | 577,743 | 230,000 | 100,000 | 100,000 | 100,000 | 1,107,743 |
| Instruction | 352,000 | 25,000 | 105,000 | 25,000 | - | 507,000 |
| IT/Infrastructure | 2,541,269 | 800,000 | 300,000 | 300,000 | 300,000 | 4,241,269 |
| New Building/New Infrastructure | - | - | - | - | - | - |
| Research | 58,880 | 33,500 | 40,000 | - | - | 132,380 |
| Total Cost | 54,454,901 | 31,372,406 | 24,657,427 | 9,534,519 | 2,555,373 | 122,574,625 |
| Net | (24,574,211) | (1,204,231) | 5,479,571 | 19,652,821 | 26,038,000 | 25,391,950 UN |
| Cummulative Capital Carry Fwd | 39,584,664 | 38,380,433 | 43,860,004 | 63,512,825 | 89,550,825 | Во |

FY25-29 Auxiliary/Revenue Operations

| Funding Source | ▼ Project Title | → FY25 Expense | FY26 Expense | FY27 Expense | FY28 Expense | FY29 Expense | FY25-29 Total | Total Project Cost |
|--|--|----------------|--------------|--------------|--------------|--------------|---------------|---------------------------|
| ■ Local Reserve from depreciation | West Garage - Resurface & Restriping | 341,000.00 | 338,000.00 | - | - | - | 679,000.00 | 679,000.00 |
| | Fox Point Boatyard | - | 150,000.00 | - | - | - | 150,000.00 | 150,000.00 |
| | Smart Lockers - 3 Locations + DB Cloud hosting | - | 90,000.00 | - | - | - | 90,000.00 | 90,000.00 |
| | M/V Columbia Point Bow Thruster (install) | - | 60,000.00 | - | - | - | 60,000.00 | 60,000.00 |
| | Fox Point Fiber Optic upgrade | 10,000.00 | 50,000.00 | - | - | - | 60,000.00 | 65,000.00 |
| | Fox Point Flow-thru seawater system for Qbarge B | - | 50,000.00 | - | - | - | 50,000.00 | 50,000.00 |
| | Fox Point Black water system for Qbarge A | 50,000.00 | - | - | - | - | 50,000.00 | 50,000.00 |
| | M/V Columbia Point New HVAC | 25,000.00 | - | - | - | - | 25,000.00 | 25,000.00 |
| | Replacement of West Garage UPS | 15,000.00 | - | - | - | - | 15,000.00 | 15,000.00 |
| | Fox Point: Visual enhancements | 15,000.00 | - | - | - | - | 15,000.00 | 30,000.00 |
| Local Reserve from depreciation To | tal | 456,000.00 | 738,000.00 | - | - | - | 1,194,000.00 | 1,214,000.00 |
| ■ Revenue Based Operations | 2 turbochef ovens - Dunkin and CC | 30,000.00 | - | - | - | - | 30,000.00 | 30,000.00 |
| | Steamer Replacement - Beacon Café | 25,000.00 | - | - | - | - | 25,000.00 | 25,000.00 |
| | Steamer replacement - Campus Center LL kitchen | 25,000.00 | - | _ | - | - | 25,000.00 | 25,000.00 |
| | Blast Chiller - safety additon to Campus Center LL kitchen | 25,000.00 | - | - | - | - | 25,000.00 | 25,000.00 |
| | FM Orleans Antenna | 25,000.00 | - | - | - | - | 25,000.00 | 25,000.00 |
| | Food Chopper replacement Campus Center LL kitchen | 7,500.00 | _ | _ | - | _ | 7,500.00 | 7,500.00 |
| Revenue Based Operations Total | | 137,500.00 | - | - | - | - | 137,500.00 | 137,500.00 |
| ■Vendor | Campus Center Food Court renovation | - | 800,000.00 | - | - | - | 800,000.00 | 800,000.00 |
| | Sodexo Capital Investment | 411,242.63 | 200,000.00 | - | - | - | 611,242.63 | 611,242.63 |
| | Ucook/Scoop Shop (Res Hall) | 300,000.00 | - | - | - | - | 300,000.00 | 300,000.00 |
| | Freight Farm/Babylon Farm | 50,000.00 | - | - | - | - | 50,000.00 | 50,000.00 |
| | Food Court design | 25,000.00 | _ | _ | - | _ | 25,000.00 | 25,000.00 |
| | Beacon Café Digital Screen Package | 25,000.00 | - | _ | - | - | 25,000.00 | 25,000.00 |
| | Campus Center Loading Dock walk in freezer | 20,000.00 | - | _ | - | - | 20,000.00 | 20,000.00 |
| | Dining Commons signage update | 18,000.00 | _ | _ | - | _ | 18,000.00 | 18,000.00 |
| | Beacon Café Pressure Fryer | 17,000.00 | - | _ | _ | - | 17,000.00 | 17,000.00 |
| | Campus Center 2 door refrigerator (2) | 12,000.00 | - | - | - | _ | 12,000.00 | 12,000.00 |
| | Campus center 3 door refrigerator | 7,000.00 | - | - | - | - | 7,000.00 | 7,000.00 |
| | Umarket Shelving update | 7,000.00 | - | - | - | - | 7,000.00 | 7,000.00 |
| | Dunkin Ice Machine Head replacement | 7,000.00 | - | - | - | - | 7,000.00 | 7,000.00 |
| | Campus Center freezer | 7,000.00 | - | - | - | - | 7,000.00 | 7,000.00 |
| | Dunkin Media player required update | 5,000.00 | - | - | - | - | 5,000.00 | 5,000.00 |
| Vendor Total | | 911,242.63 | 1,000,000.00 | - | - | - | 1,911,242.63 | 1,911,242.63 |
| Grand Total | | | 1,738,000.00 | - | - | - | 3,242,742.63 | 3,262,742.63 |

FY25-29 Compliance/Safety local funding

| Funding Source | Project Title | | FY26 Expense | FY27 Expense | FY28 Expense | FY29 Expense | FY25-29 Total | Total Project Cost |
|--|--|---------------|--------------|--------------|--------------|--------------|---------------|--------------------|
| ■ Local Reserve from depreciation | Healey Install Sprinklers (Fire Alarms Upgrades) | 250,000.00 | 2,750,000.00 | 2,750,000.00 | 2,257,000.00 | - | 8,007,000.00 | 8,007,000.00 |
| | Fire Alarm System (Fire Alarm Upgrades) (Wheatley) | - | - | 1,322,337.00 | 3,737,039.00 | 689,915.00 | 5,749,291.00 | 5,749,291.00 |
| | Fire Alarm System (Fire Alarm Upgrades) (McCormack) | - | 1,277,207.00 | 3,609,499.00 | 666,369.00 | - | 5,553,075.00 | 5,553,075.00 |
| | Clark Renovations (Title IX) - Softball | 5,396,062.00 | - | - | - | - | 5,396,062.00 | 7,960,321.00 |
| | Fire Alarm System (Fire Alarm Upgrades) Quinn | - | - | - | 501,611.00 | 1,090,458.00 | 1,592,069.00 | 1,592,069.00 |
| | Video Surveillance in Legacy Buildings Project | 800,000.00 | - | - | - | - | 800,000.00 | 800,000.00 |
| | Emergency Alert System Expansion - Speakers - ENS | 75,000.00 | - | - | - | - | 75,000.00 | 150,000.00 |
| | Emergency Alert System - Alertus Beacons | 50,000.00 | - | - | - | - | 50,000.00 | 50,000.00 |
| Local Reserve from depreciation Total | | 13,405,267.00 | 7,685,241.00 | 8,606,505.00 | 7,634,519.00 | 1,780,373.00 | 39,111,905.00 | 48,115,927.72 |
| □ DCAMM | Healey Install Fire Alarm System (Fire Alarms Upgrades | 3,650,713.00 | - | - | - | - | 3,650,713.00 | 4,097,739.00 |
| | Clark Install Fire Alarm System | 866,658.00 | 1,205,785.00 | - | - | - | 2,072,443.00 | 2,072,443.00 |
| DCAMM Total | | 4,517,371.00 | 1,205,785.00 | - | - | - | 5,723,156.00 | 6,170,182.00 |
| ■ Fair Share | DPS Consolidation & Accreditation Upgrades | 4,946,786.00 | - | - | - | - | 4,946,786.00 | 4,946,786.00 |
| Fair Share Total | | 4,946,786.00 | - | - | - | - | 4,946,786.00 | 4,946,786.00 |
| Grand Total | | 22,869,424.00 | 8,891,026.00 | 8,606,505.00 | 7,634,519.00 | 1,780,373.00 | 49,781,847.00 | 59,232,895.72 |



FY25-29 Deferred Maintenance/Infrastructure

| - | | FY25 Expense | FY26 Expense | FY27 Expense | FY28 Expense | FY29 Expense | FY25-29 Total | Total Project Cos |
|---------------------------------|---|--------------|--------------|--------------|--------------|--------------|---------------|-------------------|
| Local Reserve from depreciation | Utilities Add ∼6,000 Tons of Cooling Tower Capacity | 3,750,000.00 | 2,330,000.00 | - | - | - | 6,080,000.00 | 9,000,000.00 |
| | Utilities SWPH Mechanical Repairs/Dredging | 3,260,000.00 | 2,257,084.00 | - | - | - | 5,517,084.00 | 6,000,000.00 |
| | SWPH Heat Shift Chillers | - | 3,000,000.00 | 2,000,000.00 | - | - | 5,000,000.00 | 5,000,000.00 |
| | Campus Center Roof Replacement & Penthouse Siding | 200,000.00 | 1,250,000.00 | 3,217,451.00 | - | - | 4,667,451.00 | 4,717,451.00 |
| | Replace Primary Transformer in Healey Library | - | 223,426.00 | 3,872,723.00 | - | - | 4,096,149.00 | 4,096,149.00 |
| | Façade Repairs - Phase 1B | 4,069,407.28 | - | - | - | - | 4,069,407.28 | 6,292,018.28 |
| | Utilities Building Utility Submetering | 1,868,654.00 | 1,627,500.00 | - | - | - | 3,496,154.00 | 3,797,500.00 |
| | Replace Primary Transformer in Utility Plant | 3,361,690.00 | - | - | - | - | 3,361,690.00 | 3,551,226.00 |
| | Replace Primary Transformer in McCormack | - | 1,844,894.80 | 1,234,846.00 | - | - | 3,079,740.80 | 3,079,740.80 |
| | Replace Primary Transformer in Wheatley | 1,162,389.00 | 1,631,816.00 | - | - | - | 2,794,205.00 | 2,794,205.00 |
| | RetroCx - Improvement Implementation - Wheatley Hal | 2,208,310.00 | - | - | - | - | 2,208,310.00 | 2,395,000.00 |
| | Campus Initiated Space Moves/Improvements | 375,000.00 | 375,000.00 | 375,000.00 | 375,000.00 | 375,000.00 | 1,875,000.00 | 2,600,000.0 |
| | Wheatley AHU (H&C 1 & 6) Replacement/Upgrade | - | 1,850,000.00 | - | - | - | 1,850,000.00 | 1,850,000.0 |
| | Door Replacement Phase 1 (Campus Center/Clark) | 1,705,062.00 | - | - | - | - | 1,705,062.00 | 1,705,062.0 |
| | McCormack Fifth Floor Common and Interview Rooms | 1,610,000.00 | - | - | - | - | 1,610,000.00 | 1,610,000.0 |
| | RetroCx - Improvement Implementation - McCormack | - | - | 1,500,000.00 | - | - | 1,500,000.00 | 1,850,000.0 |
| | Clark Install Sprinklers | - | - | 498,800.00 | 1,000,000.00 | - | 1,498,800.00 | 1,498,800.0 |
| | Upgrade Building controls Campus Wide | 490,500.00 | 500,000.00 | 447,216.81 | - | - | 1,437,716.81 | 2,116,000.0 |
| | Wheatley AHU (H&C 2 & 4) Replacement/Upgrade | - | - | 1,300,000.00 | - | - | 1,300,000.00 | 1,300,000.0 |
| | Classroom & Common Spaces Refresh | 750,000.00 | 500,000.00 | 40,994.03 | - | - | 1,290,994.03 | 2,165,957.2 |
| | FY19 Replace PVC Roof at the Service & Supply Building | 225,359.00 | 748,000.00 | - | - | - | 973,359.00 | 1,091,807.1 |
| | ECMP - High Temp to Low Temp Coils | 900,000.00 | - | - | - | - | 900,000.00 | 900,000.0 |
| | Veterans Center | - | 800,000.00 | - | - | - | 800,000.00 | 800,000.0 |
| | ISC Door Lock Improvements Study (funding subject to cl | 750,000.00 | - | - | - | - | 750,000.00 | 1,000,000.0 |
| | Electrical Panel Replacement - Wheatley/McCormack | 480,000.00 | 200,000.00 | - | - | - | 680,000.00 | 775,000.0 |
| | Replace Roof & Drainage Pipes | 38,016.00 | 640,173.78 | - | - | - | 678,189.78 | 678,189.7 |
| | SGISD Hotel Space/Studio | 630,000.00 | - | - | - | - | 630,000.00 | 630,000.0 |
| | BFC Cycling Room and Exam Room | - | 250,000.00 | 350,000.00 | - | - | 600,000.00 | 600,000.0 |
| | Replace Primary Transformer in Service & Supply | - | 302,625.00 | 215,569.00 | - | - | 518,194.00 | 518,194.0 |
| | Replace Primary Transformer in Clark | _ | 507,318.00 | - | - | _ | 507,318.00 | 536,586.0 |
| | Signage/Wayfinding (study, subject to change) | 500,000.00 | - | - | - | _ | 500,000.00 | 950,000.0 |
| | UCRR Retrocommissioning - Implementation | 500,000.00 | - | - | - | - | 500,000.00 | 1,000,000.0 |
| | HR Upgrades | 500,000.00 | - | - | - | - | 500,000.00 | 500,000.0 |
| | Healey BMS Controls | 475,000.00 | - | - | - | _ | 475,000.00 | 550,000.0 |
| | Clark Replace Air Handling Units Gym | 474,000.00 | - | - | - | - | 474,000.00 | 474,000.0 |
| | UH Retrocommissioning Mechanical Systems | 450,000.00 | - | - | _ | - | 450,000.00 | 450,000.0 |
| | McCormack Hall: Roof Replacement and Building Envelo | | - | - | - | - | 450,000.00 | 3,847,070.0 |
| | Door Replacement Phase 2 (Healey/McCormack/Wheatle | | 222,827.00 | 157,862.00 | - | - | 400,725.00 | 400,725.0 |
| | McCormack - Replace AHU-6 | 400,000.00 | - | | - | - | 400,000.00 | 400,000.0 |
| | University Hall - IT Closet AC & Power Improvement | 400,000.00 | - | - | _ | - | 400,000.00 | 500,000.0 |
| | Campus Wide Security study | 200,000.00 | 100,000.00 | - | 100,000.00 | - | 400,000.00 | 560,000.0 |
| | CEHD Dean's Suite Window Replacement, Paint, Carpet, | 400,000.00 | _ | - | _ | - | 400,000.00 | 400,000.0 |
| | Wheatley Hall Deans' Suite Roof Replacement | 391,803.75 | _ | - | _ | _ | 391,803.75 | 500,000.0 |
| | Campus Center - Elevator Upgrades | 358,070.00 | _ | _ | _ | _ | 358,070.00 | 484,243.0 |
| | Campus Center - Elevator Upgrades (6 Mechanical Upgra | | _ | _ | _ | _ | 324,000.00 | 324,000.0 |
| | Snowden Auditorium Paint, Carpet, Lights, Seating | 300,000.00 | _ | _ | _ | _ | 300,000.00 | 300,000.0 |
| | Door Replacement Phase 3 (UHall/Quinn/S&S/SWPH) | - | - | 295,460.00 | _ | - | 295,460.00 | 295,460.0 |
| | S&S Replace Generator | 278,786.00 | _ | - | _ | _ | 278,786.00 | 278,786.0 |
| | Façade Repairs - Phase 1A | 276,736.00 | _ | _ | _ | _ | 276,736.00 | 1,476,100.0 |
| | Replace Primary Transformer in SWPH | 268,069.95 | _ | _ | _ | _ | 268,069.95 | 279,744.9 |
| | Replace Primary Transformer in Quinn | 237,183.00 | _ | _ | _ | _ | 237,183.00 | 250,867.0 |
| | Upgrade Multi-purpose Room | - | 225,000.00 | _ | _ | _ | 225,000.00 | 225,000.0 |
| | Service and Supply AHU/Pump Replacement | 223,170.00 | - | _ | _ | _ | 223,170.00 | 223,170.00 |
| | UCRR - Heating Loop Repairs | 200,000.00 | _ | _ | _ | _ | 200,000.00 | 450,000.00 |



FY25-29 Deferred Maintenance/Infrastructure (con't)

| Funding Source | Project Title | FY25 Expense | FY26 Expense | FY27 Expense | FY28 Expense | FY29 Expense | FY25-29 Total | Total Project Cost |
|---------------------------------------|--|---------------|---------------|---------------|--------------|--------------|---------------|--------------------|
| | Clark Replace / Maintain / Refurbish Circulating Pumps | P 175,000.00 | - | - | - | - | 175,000.00 | 175,000.00 |
| | Clark Replace Air Handling Units AC (Ice Rink) | 158,000.00 | - | - | - | - | 158,000.00 | 158,000.00 |
| | Clark Replace Air Handling Units AC-10 | 158,000.00 | - | - | - | - | 158,000.00 | 158,000.00 |
| | Healey Stairs - Reinforcement | 156,500.00 | - | - | - | - | 156,500.00 | 191,200.00 |
| | DPS Consolidation - Enabling Moves | 150,000.00 | - | - | - | - | 150,000.00 | 1,050,000.00 |
| | Rink Boards | - | 150,000.00 | - | - | - | 150,000.00 | 150,000.00 |
| | Clark Gym rehab | - | 150,000.00 | - | - | - | 150,000.00 | 150,000.00 |
| | Campus Center Retrocommissioning Mechanical Syste | m 150,000.00 | - | - | - | - | 150,000.00 | 150,000.00 |
| | BFC Entrance way and entry desk | - | 125,000.00 | - | - | - | 125,000.00 | 125,000.00 |
| | Campus Center 3 West Carpet, Paint, Ceiling Furniture | 115,000.00 | - | - | - | - | 115,000.00 | 115,000.00 |
| | Campus wayfinding system | 115,000.00 | - | - | - | - | 115,000.00 | 115,000.00 |
| | McCormack Loading Design; 21k sq ft building & 50k sq | t 100,000.00 | - | - | - | - | 100,000.00 | 100,000.00 |
| | Registrar 10 classrooms | 100,000.00 | - | - | - | - | 100,000.00 | 100,000.00 |
| | Replace CC Garage Doors with Automatic Controls | 75,000.00 | - | - | - | - | 75,000.00 | 75,000.00 |
| | Columbia Point Road Crosswalk Painting/Installation | 50,000.00 | - | - | - | - | 50,000.00 | 50,000.00 |
| | Front Office rehab | - | 50,000.00 | - | - | - | 50,000.00 | 50,000.00 |
| | Conference Room | 40,000.00 | - | - | - | - | 40,000.00 | 40,000.00 |
| | EV Chargers | 35,000.00 | - | - | - | - | 35,000.00 | 27,244.00 |
| | Quinn RetroCx | 25,000.00 | - | - | - | - | 25,000.00 | 25,000.00 |
| Local Reserve from depreciation Total | | 37,063,741.98 | 21,860,664.58 | 15,505,921.84 | 1,475,000.00 | 375,000.00 | 76,280,328.40 | 93,072,496.16 |
| □ DCAMM | Campus Center Roof Replacement & Penthouse Siding | 643,104.00 | 1,929,312.00 | 366,133.00 | - | - | 2,938,549.00 | 2,938,549.00 |
| | Façade Repairs - Phase 1B | 1,502,204.72 | - | - | - | - | 1,502,204.72 | 4,330,981.72 |
| | FY19 Replace PVC Roof at the Service & Supply Building | 286,821.00 | 952,000.00 | - | - | - | 1,238,821.00 | 1,238,821.00 |
| | Door Replacement Phase 1 (Campus Center/Clark) | 1,153,475.00 | | - | - | - | 1,153,475.00 | 1,319,590.00 |
| | Healey Elevator Cab Improvements | 860,000.00 | - | - | - | - | 860,000.00 | 860,000.00 |
| | Door Replacement Phase 2 (Healey/McCormack/Wheat | 283,598.00 | 226,415.00 | - | - | - | 510,013.00 | 510,013.00 |
| | Replace Roof & Drainage Pipes | 48,384.00 | 387,026.22 | - | - | - | 435,410.22 | 435,410.22 |
| | Door Replacement Phase 3 (UHall/Quinn/S&S/SWPH) | - | 61,120.00 | 300,000.00 | - | - | 361,120.00 | 361,120.00 |
| | Replace Primary Transformer in Quinn | 301,870.00 | - | - | - | - | 301,870.00 | 319,285.00 |
| | Replace Primary Transformer in SWPH | 191,864.05 | - | - | - | - | 191,864.05 | 206,724.05 |
| | ISC Systems Retro Commissioning | 151,269.00 | - | - | - | - | 151,269.00 | 1,100,000.00 |
| | Upgrade Building controls Campus Wide | 134,000.00 | - | - | - | - | 134,000.00 | 134,000.00 |
| DCAMM Total | | 5,556,589.77 | 3,555,873.22 | 666,133.00 | - | - | 9,778,595.99 | 13,754,493.99 |
| ⊕ FEDERAL | | 1,522,229.00 | - | - | - | - | 1,522,229.00 | 1,522,229.00 |
| ■ Fair Share | HVAC Improvements - Legacy Buildings | 430,528.00 | - | - | - | - | 430,528.00 | 430,528.00 |
| | ISC Locks | 135,000.00 | - | - | - | - | 135,000.00 | 175,000.00 |
| Fair Share Total | | 565,528.00 | - | - | - | - | 565,528.00 | 605,528.00 |
| Grand Total | | 44,708,088.75 | 25,416,537.80 | 16,172,054.84 | 1,475,000.00 | 375,000.00 | 88,146,681.39 | 108,954,747.15 |

FY25-29 Equipment

| Funding Source | ▼ Project Title | ↓ FY25 Expense | FY26 Expense | FY27 Expense | FY28 Expense | FY29 Expense | FY25-29 Total | Total Project Cost |
|--------------------------------------|---|----------------|--------------|--------------|--------------|--------------|---------------|--------------------|
| ■ Local Reserve from depreciation | Grounds Equipment Purchases | 100,000.00 | 100,000.00 | 100,000.00 | 100,000.00 | 100,000.00 | 500,000.00 | 600,000.00 |
| | Sailboats | 60,000.00 | 60,000.00 | - | - | - | 120,000.00 | 120,000.00 |
| | Lockerroom Stalls | 100,000.00 | - | - | - | - | 100,000.00 | 100,000.00 |
| | Less than Lethal Electronic Control Weapons Tasers | 54,000.00 | - | - | - | - | 54,000.00 | 54,000.00 |
| | Floor Cover | - | 50,000.00 | - | - | - | 50,000.00 | 50,000.00 |
| | Fork Lift | 45,000.00 | - | - | - | - | 45,000.00 | 45,000.00 |
| | ATVs for police and community service officer Deployme | nt 35,593.00 | - | - | - | - | 35,593.00 | 80,000.00 |
| | Soccer Goals Game-day | 30,000.00 | - | - | - | - | 30,000.00 | 30,000.00 |
| | Personal Protection Equipment for incidents of civil unre | st 27,150.00 | - | - | - | - | 27,150.00 | 27,150.00 |
| | Bleachers | 20,000.00 | - | - | - | - | 20,000.00 | 20,000.00 |
| | Cable Machine | 20,000.00 | - | - | - | - | 20,000.00 | 20,000.00 |
| | Ice Machine | 20,000.00 | - | - | - | - | 20,000.00 | 20,000.00 |
| | Golf Cart | 15,000.00 | - | - | - | - | 15,000.00 | 15,000.00 |
| | Digital Display | - | 10,000.00 | - | - | - | 10,000.00 | 10,000.00 |
| | Signage Game-day | 10,000.00 | - | - | - | - | 10,000.00 | 10,000.00 |
| | Basketball Launchgun | - | 10,000.00 | - | - | - | 10,000.00 | 10,000.00 |
| | Basketball Hoops | 10,000.00 | - | - | - | - | 10,000.00 | 10,000.00 |
| | Laminator Mounter | 8,000.00 | - | - | - | - | 8,000.00 | 8,000.00 |
| | Lease Buy-Out of pick up truck | 6,000.00 | - | - | - | - | 6,000.00 | 6,000.00 |
| | Vertical Slide Cutter | 6,000.00 | - | - | - | - | 6,000.00 | 6,000.00 |
| | Shrink Wrap Machine | 6,000.00 | - | - | - | - | 6,000.00 | 6,000.00 |
| | Volleyball Banner | 5,000.00 | - | _ | - | - | 5,000.00 | 5,000.00 |
| Local Reserve from depreciation Tota | 1 | 577,743.00 | 230,000.00 | 100,000.00 | 100,000.00 | 100,000.00 | 1,107,743.00 | 1,252,150.00 |
| Grand Total | | 577,743.00 | 230,000.00 | 100,000.00 | 100,000.00 | 100,000.00 | 1,107,743.00 | 1,252,150.00 |



FY25-29 Instruction

| - | | FY25 Expense | FY26 Expense | FY27 Expense | FY28 Expense | FY29 Expense | FY25-29 Total | Total Project Cos |
|---------------------------------------|---|--------------|--------------|--------------|--------------|--------------|---------------|-------------------|
| ■ Local Reserve from depreciation | Concert Grand Piano - Performing Arts | 250,000.00 | - | - | - | - | 250,000.00 | 250,000.00 |
| | Performing Arts - Theatre Chain Motors and Truss | 25,000.00 | 25,000.00 | 25,000.00 | 25,000.00 | - | 100,000.00 | 100,000.00 |
| | Performing Arts - Options to Replace Ships Ladders | - | - | 80,000.00 | - | - | 80,000.00 | 80,000.00 |
| | Steeldeck Platforms (Fabrication/Bundle items) | 55,000.00 | - | - | - | - | 55,000.00 | 55,000.00 |
| | Performing Arts - ION Console by ETC | 15,000.00 | - | - | - | - | 15,000.00 | 15,000.00 |
| | BeaconFlex camera, etc to make the department cor | 7,000.00 | - | - | - | - | 7,000.00 | 7,000.00 |
| Local Reserve from depreciation Total | | 352,000.00 | 25,000.00 | 105,000.00 | 25,000.00 | - | 507,000.00 | 507,000.00 |
| ■ Revenue Based Operations | New NMR | 380,000.00 | - | - | - | - | 380,000.00 | 380,000.00 |
| | NVIDIA's DGX H100 80GB server | 365,500.00 | - | - | - | - | 365,500.00 | 365,500.00 |
| | SimCapture enterprise simulation system | 302,100.00 | - | - | - | - | 302,100.00 | 302,100.00 |
| | Sim Man | 107,172.00 | - | - | - | - | 107,172.00 | 107,172.00 |
| | GE Lunar iDEXA | 94,220.00 | - | - | - | - | 94,220.00 | 94,220.00 |
| | (3)Sim NEWB >30K each | 89,538.00 | _ | _ | - | - | 89,538.00 | 89,538.00 |
| | TBD Pchem instrument | 75,000.00 | - | - | - | - | 75,000.00 | 75,000.00 |
| | New faculty startup | 60,000.00 | - | - | - | - | 60,000.00 | 60,000.00 |
| | BodPod GS-X | 59,176.00 | - | - | - | - | 59,176.00 | 59,176.00 |
| | LC for instumental analysis | - | 50,000.00 | - | - | - | 50,000.00 | 50,000.00 |
| | K5 ANT+ Wearable Metabolic Technology Device | 48,375.00 | - | _ | _ | - | 48,375.00 | 48,375.00 |
| | Nursing Anne Sim | 40,538.00 | - | - | - | - | 40,538.00 | 40,538.00 |
| | Agilent Synergy H1Hybrid Multi-Mode Plate Reader | 36,252.00 | - | - | - | - | 36,252.00 | 36,252.00 |
| | TrueOne 2400 Metabolic Measurement System | 32,341.00 | _ | - | _ | - | 32,341.00 | 32,341.00 |
| | Microway 2U High-Speed NVMe Storage Server(+5 ye | | - | - | - | - | 27,100.00 | 27,100.00 |
| | Watershed Table Mounting in ISC Lawn | 27,000.00 | - | - | - | - | 27,000.00 | 27,000.00 |
| | MPI Stress Echo Bed | 25,018.00 | - | - | - | - | 25,018.00 | 25,018.00 |
| | ADCP | 25,000.00 | - | _ | _ | - | 25,000.00 | 25,000.00 |
| | UMB Campus Field Station | 25,000.00 | - | _ | _ | - | 25,000.00 | 25,000.00 |
| | TOMY Refridgerated Floor Centrifuge w/ Rotor Set | 21,000.00 | _ | _ | _ | - | 21,000.00 | 21,000.00 |
| | Dell PowerVault Storage Array | - | 20,000.00 | - | - | - | 20,000.00 | 20,000.00 |
| | Aquaculture Lab | 20,000.00 | - | - | - | - | 20,000.00 | 20,000.00 |
| | NinjaOne Data Protection VM Backup Server | - | 20,000.00 | - | - | - | 20,000.00 | 20,000.00 |
| | Cisco Catalyst 9300 series | 8,000.00 | 8,000.00 | - | - | - | 16,000.00 | 16,000.00 |
| | Freezer; PHCbi Model: MDF-DU901VHA-PA 115v | 15,529.00 | - | _ | _ | - | 15,529.00 | 15,529.00 |
| | Nvidia GPU Mining Rig 12x | _ | 15,000.00 | _ | _ | - | 15,000.00 | 15,000.00 |
| | Underwater drop camera | 15,000.00 | - | - | - | - | 15,000.00 | 15,000.00 |
| | New GC Detectors | 15,000.00 | - | - | - | - | 15,000.00 | 15,000.00 |
| | PowerEdge R660 server | 15,000.00 | - | _ | _ | - | 15,000.00 | 15,000.00 |
| | Replacement Database Rack Server for PEO7 | 13,000.00 | - | - | - | - | 13,000.00 | 13,000.00 |
| | Replacement D.base Rack Server for DBS3 (R420 toR4 | 13,000.00 | - | _ | _ | - | 13,000.00 | 13,000.00 |
| | Replacement Disk Array for Array 1(Dell Equallogic to | | - | - | - | - | 12,000.00 | 12,000.00 |
| | Implen NanoPhotometer | 9,300.00 | - | _ | - | - | 9,300.00 | 9,300.00 |
| | ACLS cases | 8,720.00 | - | - | - | - | 8,720.00 | 8,720.00 |
| | Thermo Fisher Forma Steri-Cycle i160 CO2 incubator | 8,200.00 | _ | _ | _ | _ | 8,200.00 | 8,200.00 |
| | TrackMaster Treadmill | 7,200.00 | _ | _ | _ | _ | 7,200.00 | 7,200.00 |
| | Thermal Camera | 7,000.00 | _ | _ | _ | _ | 7,000.00 | 7,000.00 |
| | Promethean ActivPanel Titanium 75" Displays with a | | _ | _ | _ | _ | 5,525.70 | 5,525.70 |
| Revenue Based Operations Total | | 2,012,804.70 | 113,000.00 | _ | _ | _ | 2,125,804.70 | 2,125,804.70 |
| Grand Total | | 2,364,804.70 | 138,000.00 | 105,000.00 | 25,000.00 | _ | 2,632,804.70 | 2,632,804.70 |



FY25-29 IT Infrastructure/Software

| Funding Source | Project Title | FY25 Expense | FY26 Expense | FY27 Expense | FY28 Expense | FY29 Expense | FY25-29 Total | Total Project Cost |
|---------------------------------------|--|--------------|--------------|--------------|--------------|--------------|---------------|--------------------|
| ■ Local Reserve from depreciation | Replace Palo Alto Firewalls | 599,341.56 | - | - | - | - | 599,341.56 | 1,198,683.09 |
| | Network Edge Switches | 559,358.77 | - | - | - | - | 559,358.77 | 3,797,307.18 |
| | VX Rail - iHub/Campus Center | - | 500,000.00 | - | - | - | 500,000.00 | 500,000.00 |
| | Analog to Digital Classrooms FY29 | - | - | - | - | 200,000.00 | 200,000.00 | 200,000.00 |
| | Analog to Digital Classrooms FY28 | - | - | - | 200,000.00 | - | 200,000.00 | 200,000.00 |
| | Analog to Digital Classrooms FY25 | 200,000.00 | - | - | - | - | 200,000.00 | 200,000.00 |
| | Analog to Digital Classrooms FY27 | - | - | 200,000.00 | - | - | 200,000.00 | 200,000.00 |
| | Analog to Digital Classrooms FY26 | - | 200,000.00 | - | - | - | 200,000.00 | 200,000.00 |
| | Analog to Digital Classrooms FY24 | 153,721.00 | - | - | - | - | 153,721.00 | 153,721.00 |
| | Replacement batteries for two Uninterruptible Power Su | 115,900.00 | - | - | - | - | 115,900.00 | 115,900.00 |
| | Analog to Digital Classrooms | 115,857.00 | - | - | - | - | 115,857.00 | 985,837.94 |
| | Sound System and TVs for BFC | 100,000.00 | - | - | - | - | 100,000.00 | 100,000.00 |
| | AV Equipment Refresh FY25 | 100,000.00 | - | - | - | - | 100,000.00 | 100,000.00 |
| | AV Equipment Refresh FY28 | - | - | - | 100,000.00 | - | 100,000.00 | 100,000.00 |
| | TEAMS/Zoom Rooms | 100,000.00 | - | - | - | - | 100,000.00 | 100,000.00 |
| | AV Equipment Refresh FY29 | - | - | - | - | 100,000.00 | 100,000.00 | 100,000.00 |
| | AV Equipment Refresh FY27 | - | - | 100,000.00 | - | - | 100,000.00 | 100,000.00 |
| | AV Equipment Refresh FY26 | - | 100,000.00 | - | - | - | 100,000.00 | 100,000.00 |
| | Ballroom Lighting upgrade | 100,000.00 | - | - | - | - | 100,000.00 | 100,000.00 |
| | U-Hall Digital Projectors (6)- Phase 2 | 87,000.00 | - | - | - | - | 87,000.00 | 87,000.00 |
| | AV Equipment Refresh | 68,497.00 | - | - | - | - | 68,497.00 | 344,111.49 |
| | ComputeIT Laptop Self-Service Lockers | 47,145.00 | - | - | - | - | 47,145.00 | 47,145.00 |
| | Campus Center Multipurpose Rooms - Upgrade AV system | 43,540.54 | - | - | - | - | 43,540.54 | 370,608.00 |
| | AV Equipment Refresh FY24 | 41,743.00 | - | - | - | - | 41,743.00 | 41,743.00 |
| | Replacement of Campus center, Wheatley, McCormack, a | 40,000.00 | - | - | - | - | 40,000.00 | 40,000.00 |
| | Replace Emergency Blue Phone Dvices across the penins | 30,000.00 | - | - | - | - | 30,000.00 | 30,000.00 |
| | One-Card for BFC | 25,000.00 | - | - | - | - | 25,000.00 | 25,000.00 |
| | U-Hall Digital Projectors | 9,831.03 | - | - | - | - | 9,831.03 | 63,208.00 |
| | Bookeye4 V1A Color Scanner | 4,334.00 | - | - | - | - | 4,334.00 | 41,012.00 |
| Local Reserve from depreciation Total | | 2,541,268.90 | 800,000.00 | 300,000.00 | 300,000.00 | 300,000.00 | 4,241,268.90 | 9,641,276.70 |
| ■ Revenue Based Operations | Compute Nodes (3) REVISED | 46,032.00 | - | - | - | - | 46,032.00 | 46,032.00 |
| | 1 Mvme Storage Server | 32,474.00 | - | - | - | - | 32,474.00 | 32,474.00 |
| | 1 On-Demand Server | 16,615.00 | - | - | - | - | 16,615.00 | 16,615.00 |
| Revenue Based Operations Total | | 95,121.00 | - | - | - | - | 95,121.00 | 95,121.00 |
| Grand Total | | 2,636,389.90 | 800,000.00 | 300,000.00 | 300,000.00 | 300,000.00 | 4,336,389.90 | 9,736,397.70 |

FY25-29 Research

| Funding Source | ▼ Project Title | FY25 Expense | FY26 Expense | FY27 Expense | FY28 Expense | FY29 Expense | FY25-29 Total | Total Project Cost |
|-------------------------------------|--|---------------|--------------|--------------|--------------|--------------|---------------|---------------------------|
| ■ Local Reserve from depreciation | Bruker Portable X-Ray Fluorescence Unit | 58,880.00 | - | - | - | - | 58,880.00 | 58,880.00 |
| | Drone LIDAR unit for site mapping | - | - | 40,000.00 | - | - | 40,000.00 | 40,000.00 |
| | Arctec 3D Scanner with dedicated photogrammetry comput | er - | 24,500.00 | - | - | - | 24,500.00 | 24,500.00 |
| | Risograph MZ1090 2-color digital duplicator | - | 9,000.00 | - | - | - | 9,000.00 | 9,000.00 |
| Local Reserve from depreciation Tot | tal | 58,880.00 | 33,500.00 | 40,000.00 | - | - | 132,380.00 | 132,380.00 |
| Revenue Based Operations | Start-Up Project Capital | 1,136,753.88 | 937,000.00 | - | - | - | 2,073,753.88 | 2,073,753.88 |
| | Capital enhancements for research and/or core facilities | 1,000,000.00 | - | - | - | - | 1,000,000.00 | 1,000,000.00 |
| | refurbished Spectral Instruments Imaging Ami HTX system | 1\ 322,000.00 | - | - | - | - | 322,000.00 | 322,000.00 |
| | Heidelberg Mask writer | 300,000.00 | - | - | - | _ | 300,000.00 | 300,000.00 |
| | -80°C freezer; cryostat; UPS | 200,000.00 | - | - | - | - | 200,000.00 | 200,000.00 |
| | Vector Generator/Vector Network Analyzer | 150,000.00 | - | - | - | - | 150,000.00 | 150,000.00 |
| | Chromium X | 144,000.00 | - | - | - | - | 144,000.00 | 144,000.00 |
| | Covaris R230 Ultrasonicator | 128,000.00 | - | - | - | - | 128,000.00 | 128,000.00 |
| | Quantum Machine quantum device control | 75,000.00 | - | - | - | - | 75,000.00 | 75,000.00 |
| | New faculty startup | 60,000.00 | - | - | - | - | 60,000.00 | 60,000.00 |
| | FESEM port | 50,000.00 | - | - | - | - | 50,000.00 | 50,000.00 |
| | Zografopoulos Reseach Equip - 4-Quadrant Power Amplifie | 50,000.00 | - | - | - | - | 50,000.00 | 50,000.00 |
| | Tapestation 4200 | 44,649.68 | - | - | - | - | 44,649.68 | 44,649.68 |
| | Zografopoulos Reseach Equip - Regenerative AC-load | - | 22,000.00 | - | - | - | 22,000.00 | 22,000.00 |
| | Eroglu Research Equip - Oscciloscope | 20,000.00 | - | - | - | - | 20,000.00 | 20,000.00 |
| | Operant conditioning chambers | 19,854.00 | - | - | - | - | 19,854.00 | 19,854.00 |
| | Model 942 Dual Small Animal Stereotaxic instrument | 12,645.00 | - | - | - | - | 12,645.00 | 12,645.00 |
| | Zografopoulos Reseach Equip - 3-Phase Power Supply | 12,000.00 | - | - | - | - | 12,000.00 | 12,000.00 |
| | ABPMpro Research model | 10,160.00 | - | - | - | - | 10,160.00 | 10,160.00 |
| | Eroglu Research Equip - Power Supply Source | 10,000.00 | - | - | - | - | 10,000.00 | 10,000.00 |
| | -80° Freezer | 8,274.14 | - | - | - | - | 8,274.14 | 8,274.14 |
| | Zografopoulos Reseach Equip - SEL relay | 7,000.00 | - | - | - | - | 7,000.00 | 7,000.00 |
| | Zografopoulos Reseach Equip - micro-Phasor Measurement | U - | - | 6,000.00 | - | - | 6,000.00 | 6,000.00 |
| | Zografopoulos Reseach Equip - Interactive Screen | 6,000.00 | - | - | - | - | 6,000.00 | 6,000.00 |
| Revenue Based Operations Total | - | 3,766,336.70 | 959,000.00 | 6,000.00 | - | - | 4,731,336.70 | 4,731,336.70 |
| Grand Total | | 3,825,216.70 | 992,500.00 | 46,000.00 | - | - | 4,863,716.70 | 4,863,716.70 |
| | | | | | | | | VIASS I |