

EXECUTION AND FUNDING MATRIX

EQUIPMENT OR SYSTEM	CATEGORY	EXECUTION		FUNDING		OVERSIGHT/COMPLIANCE				NOTES
		CENTRAL	UNIT	CENTRAL	UNT	ECD	FOM	EHS	OTHER	
Audio Systems-Classroom AV Systems - Registrar Controlled Classrooms	Built in elements	x		x						IT supports classroom technology packages
Audio Systems-Classroom AV Systems - Unit Controlled Classroom	Built in elements		x		x					IT supports classroom technology packages
Audio Systems-Stereo Systems in PCAC classrooms	Dedicated or specialized	x		x						IT supports classroom technology packages
Autoclaves, Large (built in)	Built in elements	x		x			x			Annual EHS Functional certification required if used to treat infectious waste. See also Steam Generator
Autoclaves, small (portable)	Dedicated or specialized		x		x		x			Benchtop units . EHS functional certification when used to treat infectious waste
Basketball Backboard rigging system	Dedicated or Specialized		x		x			x		EHS Oversees annual safety inspection
Biological Safety Cabinets	Dedicated or specialized		x		x		x			Annual EHS safety certification
Bleacher System-Lundholm Gym	Built in elements	x		x						
Boilers & Pressure Vessels	Common Elements	x		x		x		x		FOM & ECD coordinate periodic 3rd party inspections
Boulder Field turf	Outdoor Facilities	x		x						
Bridge cranes, hoists & davits	Dedicated or specialized		x		x		x			EH&S Oversees safety certification and operator training is maintained.
Building Foundations, Structure, and Envelope	Built in elements	x		x						E&G Units. RCM defines funding responsibility for Auxiliary Units
Building General HVAC Systems	Built in elements	x		x			x			E&G Units. RCM defines funding responsibility for Auxiliary Units. EHS may provide IAQ oversight as needed. Excludes window AC units and specialty systems addressed elsewhere
Building General Interior Finishes, Walls, Stairs, Lighting,	Built in elements	x		x						E&G Units. RCM defines funding responsibility for Auxiliary Units
Building General Interior Mechanical, Electrical and Plumbing Systems	Built in elements	x		x						E&G Units. RCM defines funding responsibility for Auxiliary Units
Building System- Lab electrical distribution and outlets	Built in elements	x		x						Benchtop and overhead service outlets
Building System-Compressed air including compressor & distribution piping	Built in elements	x		x						Located in labs & maintenance shop buildings
Building System-Lab Benchtop Gas (i.e. natural gas)	Built in elements	x		x						Special license required to work on gas piping
Building Systems-Exhaust hoods for welding, cooking, autoclaves, etc.	Built in elements	x		x						Single purpose exhaust hoods, ductwork, fans, etc. but integrated into building HVAC
Building Systems-R.O. Water	Built in elements	x		x						Building system serving multiple labs.
Building Systems-Standby Power distribution & outlets	Built in elements	x		x						Emergency power systems required by code are part of the common elements of a building. Standby power systems provide power for critical loads such as low temp freezers.

EXECUTION AND FUNDING MATRIX

EQUIPMENT OR SYSTEM	CATEGORY	EXECUTION		FUNDING		OVERSIGHT/COMPLIANCE				NOTES
		CENTRAL	UNIT	CENTRAL	UNT	ECD	FOM	EHS	OTHER	
Classroom seating-Fixed	Built in elements	x		x						
Classroom Seating-Loose. Registrar Controlled Classroom	Loose equipment and furnishings		x		x					Responsibility for loose classroom seating is not assigned. The working group considers the Registrar as the unit responsible.
Classroom Seating-Loose. Unit Controlled Classroom	Loose equipment and furnishings		x		x					
Compressed Air System-Art Studios including compressor and distribution piping	Built in elements	x		x						
Door Hardware-Card key access system	Dedicated or specialized		x		x					Should we have a single campus system with central management?
Dust Collection System-Farr located in Art Studios (may be the same as the sawdust collection system also listed)	Dedicated or specialized		x		x					Recent sawdust collector replacement was funded by R&R
EHS Haz & Rad Waste Storage Modules	Dedicated or specialized	x		x						
Electrical outlets (standard)	Common Elements	x		x						General purpose and standby power outlets, not special purpose outlets for
Electrical Systems-Stand alone equipment for power conditioning	Dedicated or specialized		x		x	x		x		Specialized equipment or systems serving one or two labs. ECD & FOM provide oversight of connections to building electrical for code compliance.
Electrical Systems-UPS Power Systems	Dedicated or specialized		x		x					RCC and Data Center. May be others
Elevators & lifts	Common Elements	x		x				x		FOM oversees annual inspections & certification
Environmental Chambers (including alarms)	Built in elements	x		x						Central is not responsible for notifying faculty of an alarm condition. This must be managed by the units.
Exterior Grounds, Roads, Walks, Bridges, Utility Systems, Central Utility Plants	General Infrastructure	x		x						Excludes specific Outdoor Facilities and Ag property managed by COLSA within the core campus
Eye Wash & Emergency Shower Stations-Built in	Built in elements	x		x			x			EH&S testing as required
Fume Hoods	Built in elements	x		x			x			Annual EHS safety certification
Furnace-Bronze Casting Forge (Art Dept)	Dedicated or specialized		x		x					
Generator-Standby Power for COLSA aquatic research area at Hatchery and Ritzman	Dedicated or specialized	x			x					Managed as part of campus-wide generator maintenance program although dedicated to a specific research program. FOM maintains. ECD pays for fuel.
HVAC System- Indoor Pool	Built in elements	x		x						RecSports pays full RCM rate for indoor pool.
HVAC System-Art Gallery & Gallery Storage	Built in elements	x		x						Specialized temp & humidity control system, but built-in. Although special purpose, similarity of the system to other HVAC systems suggests central funding and execution.
HVAC System-Clean room suite	Built in elements	x		x						Integrated into James Hall system
HVAC Systems-Animal Facilities	Built in elements	x		x					x	Conant and Rudman. Integrated into building systems. Although serving a specialized purpose, similarity to other HVAC systems suggests central funding and execution. Animal Resource Office oversight
HVAC-Air Scrubbers (24 units) in sculpture and ceramics studios (Art Dept)	Dedicated or specialized									Need further definition to assign. COLA and central facilities service providers to resolve.

EXECUTION AND FUNDING MATRIX

EQUIPMENT OR SYSTEM	CATEGORY	EXECUTION		FUNDING		OVERSIGHT/COMPLIANCE				NOTES
		CENTRAL	UNIT	CENTRAL	UNT	ECD	FOM	EHS	OTHER	
HVAC-Window/portable AC units	Loose equipment and furnishings		x		x		x	x		New installations must be approved by SARRC. FOM & EHS responsible for campus management & reporting. Unit is responsible for operation, maintenance, replacement
Ice Makers-lab & food service	Dedicated or specialized		x		x					FOM & EHS responsible for campus refrigerant management & reporting. Unit is responsible for operation, maintenance and replacement including any dedicated water filtration.
Kiln-Bronze Casting Burnout(Art Dept)	Dedicated or specialized		x		x					
Lab Equipment-Stand alone equipment to provide specialized lab services including lighting, air filtration, etc.	Dedicated or specialized		x		x	x	x	x		Specialized equipment or systems serving one or two labs. ECD provides oversight of connections to building electrical, potable water and sewer systems for code compliance. EHS provides health & safety oversight as required.
Lab benches and casework, built in	Built in elements	x		x						
Lab Equipment-Animal Cage Washers	Dedicated or specialized		x		x				x	Animal Resource Office oversight
Lab Equipment-Built in Large Glassware Washers	Built in elements	x		x						
Lab Equipment-CiE Fluid Labs Pump and fixed piping	Dedicated or specialized		x		x					Serves a single lab
Lab Equipment-Concrete cure room temp & humidity system	Built in elements	x		x						Located in Kingsbury. Considered built-in similar to environmental chambers in Rudman
Lab Equipment-Drying Ovens	Dedicated or specialized		x		x					
Lab Equipment-Hydraulic presses in CE labs	Dedicated or specialized		x		x					Includes hydraulic pumps, piping, & presses. Central provides power to the pump
Lab Equipment-Stand alone equipment for lab gasses	Dedicated or specialized		x		x		x			Specialized equipment or systems serving one or two labs including regulators, manifolds & local piping.
Lab Equipment-Stand alone equipment for water filtration	Dedicated or specialized		x		x	x		x		Specialized systems serving one or two labs. ECD & FOM provides oversight of connections to building potable water and sewer systems for code compliance.
Lab Equipment-Stand Alone Small Glassware Washers	Dedicated or specialized		x		x					
Lab Furniture- Stools, loose benches & work tables. Open and research labs.	Loose equipment and furnishings		x		x					Follows loose classroom seating-central if registrar controls lab, unit if not.
Lab Furniture- Stools, loose benches & work tables. Registrar-controlled Labs	Loose equipment and furnishings	x		x						Follows loose classroom seating-central if registrar controls lab, unit if not.
Life Safety-Data Center & Research Computing Center Fire Suppression Systems	Dedicated or specialized		x		x					Need to verify assignment of responsibility is clearly understood by all parties to insure life safety code compliance.
Lighting Systems-Theatre Stage Lighting	Dedicated or specialized		x		x					Set lighting systems and components
Lockers-Indoor Pool	Built in elements	x		x						RecSports pays the full RCM rate for the indoor pool; associated lockers would be treated the same as other centrally funded lockers.

EXECUTION AND FUNDING MATRIX

EQUIPMENT OR SYSTEM	CATEGORY	EXECUTION		FUNDING		OVERSIGHT/COMPLIANCE				NOTES
		CENTRAL	UNIT	CENTRAL	UNT	ECD	FOM	EHS	OTHER	
Lockers-Musical Instrument, team, band uniform, general purpose except RecSports	Built in elements	x		x						Central provides basic lockers suited to the purpose. Units fund upgrades or enhancements if desired. Example would be higher quality lockers for intercollegiate teams.
Lockers-RecSports Snively	Built in elements	x		O&M	R&R					
Lower Field turf	Outdoor Facilities	x		x						
Mooridian Field artificial surface	Outdoor Facilities	x		x						
Musical Instruments including pianos	Loose equipment and furnishings		x		x					
Outdoor Facility-Mendums Pond Recreational Area	Outdoor Facilities		x		x					Not in the core campus area. RecSports fully funds all costs.
Outdoor Field Artificial Surface & Fence-Bremner Field	Outdoor Facilities	x		O&M	R&R					RecSports is not charged the R&R portion of the RCM NASF rate. Major repairs or renovations to RecSports facilities are funded directly by RecSports.
Outdoor Field Artificial Surface & Fence-Memorial Field	Outdoor Facilities	x		O&M	R&R					RecSports is not charged the R&R portion of the RCM NASF rate. Major repairs or renovations to RecSports facilities are funded directly by RecSports.
Outdoor Field Artificial Surface & Fencing-Student Recreation Field	Outdoor Facilities	x		O&M	R&R					RecSports is not charged the R&R portion of the RCM NASF rate. Major repairs or renovations to RecSports facilities are funded directly by RecSports.
Outdoor Lighting-Tennis courts	Outdoor Facilities	x		O&M	R&R					RecSports is not charged the R&R portion of the RCM NASF rate. Major repairs or renovations to RecSports facilities are funded directly by RecSports.
Outdoor Lighting-Bremner Field	Outdoor Facilities		x	O&M	R&R					Service provided by MUSCO under contract managed by RecSports but funded by central
Outdoor Lighting-Memorial Field	Outdoor Facilities		x	O&M	R&R					Service provided by MUSCO under contract managed by RecSports but funded by central
Outdoor Lighting-Student Recreation Field	Outdoor Facilities		x	O&M	R&R					Service provided by MUSCO under contract managed by RecSports but funded by central
Paint Spray Booth-Art Department	Dedicated or specialized		x		x			x		
Pallet lifter-1000 lb (Art Dept)	Loose equipment and furnishings		x		x					
Phone system-Outdoor Emergency (Blue Light System)	Common Elements	x		x						IT provides voice connection.
Pipe Organ-Bratton Recital Room	Dedicated or specialized		x		x					
Pool- Indoor Filtration & Water Chemistry Systems	Dedicated or specialized	x		x						RecSports pays full RCM rate for indoor pool.
Pool-OutdoorFiltration & Water Chemistry Systems	Outdoor Facilities		x	R&R	O&M					RecSports Facility. RecSports Operates. Maintenance by ECD & FOM staffs. RecSports charged for chemicals.
Public Address System-Campus-wide Emergency Announcement System	Dedicated or specialized	x		x						So far, the donor is providing annual inspection. Campus provides lift for access
Public Address Systems-Fixed (Whittemore, Field house, etc	Dedicated or specialized		x		x					Except campus-wide emergency announcement system
Rainwater Capture/Graywater System	Built in elements	x		x						James Hall and perhaps the new business school

EXECUTION AND FUNDING MATRIX

EQUIPMENT OR SYSTEM	CATEGORY	EXECUTION		FUNDING		OVERSIGHT/COMPLIANCE				NOTES
		CENTRAL	UNIT	CENTRAL	UNT	ECD	FOM	EHS	OTHER	
Refrigeration and floor cooling system-Whittemore Ice	Dedicated or specialized	x		O&M	R&R					RecSports Facility
Refrigerators & freezers, free standing	Loose equipment and furnishings		x		x		x	x		FOM & EHS responsible for campus refrigerant management & reporting
Roofs Systems-James Hall Green Roofs	Dedicated or specialized		x		x					Unit if part of an experiment or demonstration project with removable trays supporting the plant life.
Sawdust Collection System-Woodworking Art Studio	Dedicated or specialized		x		x					At Service Building. May be same as Dust Control system also listed. System was recently replaced with R&R dollars
Scoreboards-indoor & outdoor	Dedicated or specialized		x		x					
Soccer field turf	Outdoor Facilities	x		x						Athletics facility
Stadium Seating-Fixed	Outdoor Facilities	x		x						Athletics facility
Stadium Seating-Portable	Outdoor Facilities		x		x					
Steam Generator-Clean Steam	Built in elements	x		x						Generates clean steam for large autoclaves.
Tanks-Hatchery fish tanks, water chillers, pumps	Dedicated or specialized		x		x					
Tanks-Ocean Engineering Tanks, pumps, & accessories	Built in elements	x		x						Water plant personnel check water quality since large pool is used for diver training.
Tennis Court Playing Surface	Outdoor Facilities	x		O&M	R&R					RecSports facility
Theatre Lighting Systems-House lights	Built in elements	x		x						
Theatre Rigging System, Johnson Theatre	Dedicated or specialized		x		x	x	x			ECD current provides oversight. COLA schedules and funds the annual inspection and pays for any maintenance. Should be EHS Oversight
Theatre seating, Johnson & Hennessey	Built in elements	x		x						
Whittemore Dasher Boards & Glass	Dedicated or specialized		x		x					