

PRELIMINARY 2016 HEAPR REQUEST

Project priorities may be adjusted to reflect facility condition changes

	Category	Building	Project Description	\$100M
	TWIN CITIES CAMPUS			
1	Building Systems	717 Delaware	Roof replacement	\$700,000
2	Building Systems	Andrew Boss Lab of Meat Science	Building Infrastructure improvements - Phase II	\$4,000,000
3	Building Systems	Borlaug Hall	Replace cooling tower	\$550,000
4	Health & Safety	Burton Hall	Exterior stair and portico restoration	\$1,000,000
5	Building Systems	Campus Wide	Elevator renewal & replacement	\$10,030,150
6	Utility Infrastructure	Campus Wide	Critical alarm controls	\$500,000
7	Health & Safety	Campus Wide	Health & safety emergency projects	\$100,000
8	Health & Safety	Diehl Hall	Steam system improvements	\$350,000
9	Building Systems	Diehl Hall	Exterior waterproofing	\$300,000
10	Building Systems	Equine Center	HVAC replacement	\$250,000
11	Building Systems	Ferguson Hall	Roof replacement	\$870,000
12	Building Systems	Fieldhouse	Envelope restoration	\$4,000,000
13	Building Systems	Food Science and Nutrition	Building infrastructure improvements	\$9,000,000
14	Building Systems	Hasselmo Hall	Steam coil replacement	\$180,000
15	Utility Infrastructure	Health Sciences - Moos, PWB, W/D	Emergency generator transfer switch replacement	\$200,000
16	Building Systems	Health Sciences District	Exterior waterproofing	\$4,000,000
17	Building Systems	Heller Hall	Window replacement and tuckpointing	\$5,750,000
18	Building Systems	Humphrey	Partial roof and skylight replacement	\$1,900,000
19	Health & Safety	Johnston Hall	Extend fire sprinkler	\$500,000
20	Building Systems	KE Dwan	HVAC controls	\$1,700,000
21	Building Systems	Learning & Environmental Science	Exterior waterproofing and foundation wall	\$150,000
22	Building Systems	Magrath Library	Restroom upgrade for accessibility	\$115,000
23	Building Systems	McNeal Hall	Exterior roof and curtain walls replacement	\$250,000
24	Building Systems	Mechanical Engineering	Renewal - Phase III	\$10,000,000
25	Utility Infrastructure	Minneapolis Chilled Water	Connect East Bank / North Campus chilled water	\$1,900,000
26	Utility Infrastructure	Minneapolis Storm Sewer	Construct Knoll storm sewer trunk main	\$1,000,000
27	Health & Safety	Mondale Hall	Fire sprinkler / pump upgrade	\$1,500,000
28	Utility Infrastructure	Pattee, Shevlin, Burton	Install new water service	\$500,000
29	Building Systems	Phillips Wangensteen Building	Exterior waterproofing	\$350,000
30	Building Systems	Rapson Hall	West exterior areawell waterproofing	\$315,000
31	Building Systems	Rec Center	Roof replacement (original building)	\$900,000
32	Building Systems	Ruttan Hall	Window replacement	\$1,400,000
33	Building Systems	Ruttan Hall	Skylight renovation/replacement	\$1,300,000
34	Building Systems	Ruttan Hall	Exterior door and vestibule replacement	\$500,000
35	Building Systems	Swine Research	HVAC improvements	\$110,000
36	Building Systems	Ted Mann	Roof replacement	\$525,000
37	Building Systems	Vet Med Center North	HVAC and code improvements	\$1,300,000
38	Health & Safety	Vet Med Center South	Fire alarm and sprinkler installation	\$950,000
39	Building Systems	Vet Med Center South	Window replacement	\$600,000

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40	Building Systems	Washington Ave Pedestrian Bridge	Pedestrian enclosure renewal	\$10,000,000
41	Building Systems	Weaver-Densford	Replace water systems	\$200,000
42	Building Systems	Weaver-Densford	Building insulation	\$320,000
43	Utility Infrastructure	West Bank District	Extend district chilled water to Rarig, Ferguson, Ted Mann	\$1,400,000
44	Building Systems	Willey Hall	Roof and skylight replacement	\$2,390,000
				\$83,855,150

UMD CAMPUS

45	Building Systems	Cina Hall	Building system renovation	\$1,000,000
46	Utility Infrastructure	Coleraine	Water line replacement	\$701,550
47	Utility Infrastructure	Kirby Student Center	Water line replacement	\$200,000
48	Building Systems	Sports and Health Center	Mechanical system upgrade	\$6,500,000
49	Building Systems	Tweed Museum of Art	Mechanical system upgrade	\$400,000
				\$8,801,550

UMM CAMPUS

50	Building Systems	Behmler Hall	HVAC improvements	\$150,000
51	Health & Safety	Campus Wide	Pedestrian lighting upgrades	\$50,000
52	Utility Infrastructure	Campus Wide	Chiller control panel upgrade	\$35,000
53	Utility Infrastructure	Campus Wide	Energy Mgmt system control upgrade	\$30,000
54	Utility Infrastructure	Campus Wide	Sewer replacement	\$25,000
55	Building Systems	Humanities	HVAC improvements	\$600,000
56	Health & Safety	Humanities	Fire alarm and sprinkler installation	\$400,000
57	Health & Safety	Humanities Fine Arts	Stair hand & guardrail code upgrade	\$100,000
58	Health & Safety	Multi-Ethnic Resource Center	Fire alarm installation	\$70,000
59	Building Systems	Physical Education Center	Facility renewal	\$100,000
60	Health & Safety	Rodney A Briggs Library	Fire alarm improvements	\$314,000
61	Building Systems	Rodney A Briggs Library	Elevator upgrade	\$230,000
62	Accessibility	Rodney A Briggs Library	Restroom upgrade for ADA	\$160,000
63	Building Systems	Rodney A Briggs Library	Window sill replacement	\$52,750
64	Building Systems	Rodney A Briggs Library	Fire sprinkler installation (design)	\$20,000
65	Building Systems	Saddle Club Barn	Electrical service upgrade	\$30,000
66	Utility Infrastructure	Science Auditorium	Water line replacement	\$100,000
67	Building Systems	Science Auditorium	Exterior wall and stair repair	\$60,000
68	Building Systems	Student Center	Edson Auditorium interior upgrades	\$400,000
69	Building Systems	Student Center	Exterior envelope improvements	\$50,000
				\$2,976,750

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	Category	Building	Project Description	\$100M
UMC CAMPUS				
70	Utility Infrastructure	Campus Electric Distribution	Upgrade electric distribution infrastructure	\$1,260,000
71	Building Systems	Lysaker Gym	Code improvements	\$515,950
				\$1,775,950
RESEARCH AND OUTREACH CENTERS AND FIELD STATIONS				
72	Building Systems	Cloquet Forestry Center	Energy efficiency / safety upgrades	\$210,000
73	Building Systems	Cloquet Forestry Center	Critical infrastructure needs	\$69,300
74	Building Systems	Horticulture Research Center	Energy efficiency / safety upgrades	\$224,000
75	Building Systems	Horticulture Research Center	Critical infrastructure needs	\$112,000
76	Building Systems	Hubachek Wilderness Res Ctr	Critical infrastructure needs	\$80,500
77	Building Systems	NCROC Campus	Energy efficiency / safety upgrades	\$203,050
78	Building Systems	NCROC Campus	Critical infrastructure needs	\$105,000
79	Building Systems	NWROC Campus	Critical infrastructure needs	\$203,000
80	Building Systems	SROC Campus	Critical infrastructure needs	\$238,000
81	Building Systems	SROC Campus	Energy efficiency / safety upgrades	\$154,000
82	Building Systems	SWROC Campus	Energy efficiency / safety upgrades	\$63,000
83	Building Systems	WCROC Campus	Critical infrastructure needs	\$420,000
84	Building Systems	WCROC Campus	Energy efficiency / safety upgrades	\$154,650
85	Building Systems	Cedar Creek - Drying Barn	HVAC and insulation	\$12,000
86	Building Systems	Cedar Creek - Lawrence Lab	Install backup generator	\$24,500
87	Health & Safety	Cedar Creek - Lawrence Lab	HVAC platforms for code compliance	\$20,000
88	Building Systems	Cedar Creek - Lodging	Envelope upgrades	\$45,000
89	Building Systems	Cedar Creek - Lodging	Replace septic and drain field	\$12,000
90	Building Systems	Cedar Creek - Lodging	Replace water softeners	\$9,600
91	Building Systems	Itasca - Cabin 10-13	Upgrade HVAC systems	\$15,000
92	Building Systems	Itasca - Cabin 39, 41, 43, 47	Rebuild foundations	\$120,000
93	Building Systems	Itasca - Cabin 70	Envelope upgrades	\$50,000
94	Building Systems	Itasca - Lakeside Lab	Envelope upgrades	\$30,000
95	Building Systems	Itasca Assembly Hall	Geothermal heating and wells	\$16,000
				\$2,590,600
TOTAL - ALL CAMPUSES				\$100,000,000