

## Campus Planning Committee Meeting



## Campus Planning Committee

#### **Agenda**

- 1. Welcome & Introductions
- 2. Old Business Approval of Minutes, Nov. 21, 2019 (action)
- 3. Six-Year Capital Development Plan Update
- 4. Gender Inclusive Restroom Policy Update
- 5. "State of our Stormwater" Presentation
- Announcements



## **University of Wisconsin-Madison Campus Planning Committee**

UW-Madison Facilities Planning & Management March 11, 2020



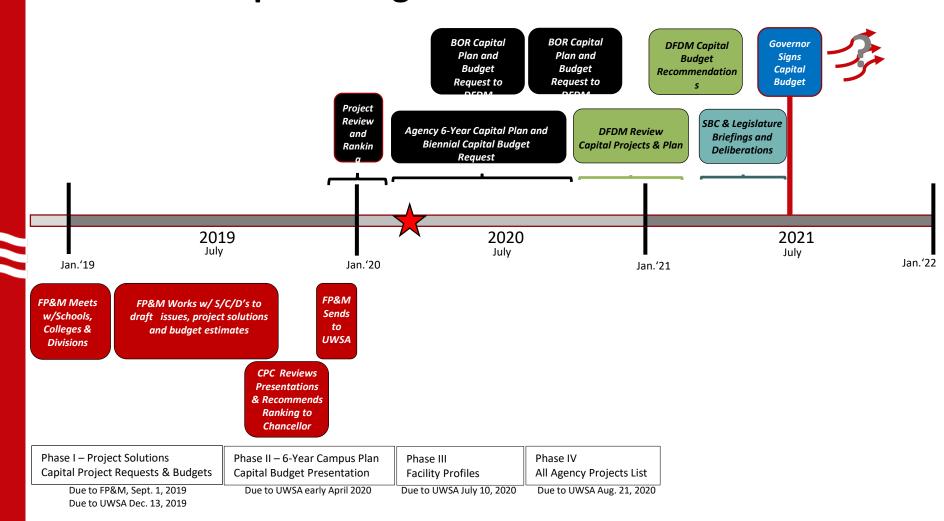
### **University of Wisconsin-Madison**

2021-2027
Six-Year Capital Development Plan
(Final as submitted to UWSA Dec. 13, 2019)

UW-Madison Facilities Planning & Management March 12, 2020

#### University of Wisconsin System

#### 2021-2023 Capital Budget Timeline



#### 2021-2027 S/C/D Submittal Summary

- 70 projects submitted 2021-27+ Six-Year Development Plan
  - 39 projects in 2021-23 (\$1.05 B)
  - 12 projects in 2023-25 (\$460.6 M)
  - 8 projects in 2025-27 (\$540.5 M)
  - 11 projects in 2027-?? (\$670.2 M+)

#### FP&M Review and Scoring Process (June – August 2019)

- Driven by chancellor's strategic priorities for the university
- UW-Madison revenue generation priorities
- Support for FP&M's capital planning priorities

## **2021-27 Six-Year Capital Development Plan Strategic Priorities**

#### **Chancellor's Priorities**

Enhance the Educational Experience

Improve Access for all Students

Maintain and Grow Faculty Excellence

Expand and Improve our Research Portfolio

#### **UW-Madison Revenue Generation Priorities**

Grow
Masters &
Certificate
Programs

Expand Summer Programs

Market-Based Tuition Build Alumni Support

Grow Research Funds

Grow Enrollment

Revenue Innovation

#### **FP&M Capital Planning Priorities**

Maximize
Use/Re-use of
Existing Facilities

Create Adaptable, Efficient & Maintainable Facilities

Reduce Deferred Maintenance Strategically
Optimize
Limited
Resources

#### FP&M Review & Scoring Criteria

#### 1. Maximize the use and reuse of existing facilities (Max: 15 pts.) A. Reuse/renovate/remodel an existing building; No new net GSF space 5 points) B. New building addition with renovation of existing building 5 points) C. New building that removes existing building(s) w/net decrease in GSF 5 points) D. New building on greenfield site w/net increase in GSF 0 points) 2. Create adaptable, efficient & easily maintainable facilities (Max: 10 pts.) A. Overall design is adaptable for a new future use 5 points) B. Project design is making more efficient use of existing space; adds density (5 points) 3. Reduce deferred maintenance (Max: 10 pts.) A. Project re-capitlizes significant building systems 5 points) B. Removes existing bldg. w/significant deferred maintenance (2.5 points) C. Capital investment is less than the cost of annual maintenance (2.5 points) (Max: 65 pts.) 4. Be strategically aligned to optimize use of resources A. Project is a high priority in the SCD's Facility Master Plan (15 points) B. Project combines other projects to meet overall strategic goals (10 points) (10 points) C. Project enables a future, high-priority capital project D. Project supports 1 or more of the UW-MSN's 7 revenue generation priorities (15 points) E. Project supports 1 or more of the Chancellor's strategic priorities (15 points)

#### **Additional Strategy Points:**

- + 2 points if all 4 of the FP&M criteria are met
- + 2 points if project meets both the UW-MSN & the Chancellor's criteria in at least 1 area

#### **Project Cost Estimating Improvements**

- Advance planning is completed by an outside consultant to confirm scope and budget prior to enumeration (required by DOA and UW System)
- Third-party AE firm reviewed all documents to confirm project scope statements with the proposed budgets. (Note: Has resulted in updated budget estimates from what was presented to the CPC.)
- Cost estimates are escalated to a bid date at the mid-point of the biennium the project is being recommended for enumeration by FP&M.
- Cost estimates for enumerated projects are "final" for the 2021-23 Capital Budget when the state budget is signed by the governor in June 2021.
- UW System and DOA can revise the project cost estimates or ask that we update them based on their reviews over the next year. The out-biennial capital budgets cost estimates (for 2023-25 and 2025-27) will be updated in fall 2021 when we start the 2023-25 capital budget process.

#### 2021-23 Capital Budget – WI State Enumerated Projects

ELT Rank	CPC Rank	FPM Rank	FPM Score	Project Name	Funding Source(s)	Estimated Cost
1	1	2	85	L&S Academic Building	G/G - \$23.08 M GFSB - \$60 M	\$ 83.08 M
2	2	1	85	ENGR - College of Engineering Building, Ph. I*	G/G-\$50 M GFSB-\$100 M	150.00 M
3	3	3	84	ENGR - Engineering Drive Utilities *	GFSB - \$20.53 M PRSB - \$9.23 M	29.76 M
4	11	11	72	TS - Southeast Parking Facility (Lot 91) *	PRSB	36.00 M
5	9	10	74	FP&M - MSC Recapitalization/Renov, Ph I *	GFSB	25.05 M
6	7	8	77	LIB - Off-Site Collections & Preservation Fac. *	GFSB	17.00 M
7	4	7	79	NEL - Science Hall Signature Bldg Renov, Ph I*	GFSB	60.80 M
8	5	5	79	LIB - Helen C. White College Library Renov *	GFSB	17.12 M
9	6	4	82	L&S - Ingraham Hall Addition *	G/G - \$32.5 M GFSB - \$32.5 M	65.00 M
10	8	6	79	ATH - Camp Randall Sports Center Renov *	G/G - \$25 M PRSB - \$75 M	100.00 M
11	12	9	74	L&S - Music Hall Exterior Renovation	GFSB	18.22 M
12	13	13	67	HOU - Gordon Event Center Renov. & Addition	PRSB	34.86 M
				Total (12 Projects):		\$ 636.89 M

Advanced planning needs to be completed by March 2020 to move these projects forward for enumeration 2021-23.
 Updated project cost estimates will be provided to UW System for these projects.

#### 2021-23 Capital Budget – 100% Gift/Grant Projects

ELT Rank	CPC Rank	FPM Rank	FPM Score	Project Name	Funding Source(s)	Estimated Cost
1	3	4	79	ENGR - Engineering Hall Instructional Lab	G/G	5.00 M
2	5	5	79	ENGR - Engineering Hall CBE Renovations	G/G	4.50 M
3	6	6	52	RGE – WIMR Vivarium	G/G	6.35
4	4	3	82	LIB - Astronomy, Math & Physics Library Consolidate	G/G	1.92 M
5	7	7	25	WU - Memorial Union 5 <sup>th</sup> Floor Expansion	G/G	3.00 M
6	8	8	25	ATH - Camp Randall Stadium Videoboard Replc.	G/G	8.00 M
7	1	1	84	RGE - Arboretum Facilities Renovations	G/G	3.50 M
8	2	2	84	L&S - MSC Renovation for Dept. of LA & Planning	G/G	11.70 M
				Total (8 Projects):		\$ 43.97 M

#### Advanced Planning Gift Funds Needed in 2021-23 for 2023-25 (Total cost: +/- \$4 M)

- LIB Memorial Library Renovation, Phase I
- HOU Barnard Residence Hall Renovation
- L&S Psychology Building Replacement
- FPM South Central Campus Steam Replacement
- TS Southeast Parking Facility (Lot 91)
- HOU Adams & Tripp Residence Halls Renovations
- NEL Science Hall Renovation, Phase II
- CALS Plant Germplasm/Greenhouses at WMARS
- NUR Cooper Hall School of Nursing Addition
- BUS Facilities Master Plan Implementation, Phase I

#### 2023-25 Capital Budget – WI State Enumerated Projects

ELT Rank	CPC Rank	FPM Rank	FPM Score	Project Name	Funding Source(s)	Estimated Cost
1			69	EDU – Studio Labs Addition (to Art Lofts)	G/G-\$22.00M GFSB-\$65.86	\$ 87.86 M
2			77	ENGR – Engineering Building, Phase II	G/G-\$100 M GFSB-\$50 M	150.00 M
3	1	1	84	LIB – Memorial Library Renovation, Phase I	GFSB	47.17 M
4	2	2	82	HOU – Barnard Residence Hall Renovation	PRSB	9.30 M
5	4	3	82	HOU – Kronshage Residence Hall Renovation	PRSB	76.43 M
6	3	4	79	NEL – Science Hall Signature Bld Renov, Ph. II	GFSB	68.24 M
7	5	5	77	L&S – Psychology Building Replacement	GFSB	174.05 M
8	6	6	75	FP&M – South Central Campus Steam Replc.	GFSB-\$37.6 M PRSB -\$17 M	56.25 M
9	7	7	72	TS – Dayton Street Parking Structure	PRSB	28.00 M
10	8	8	67	RECR – Near East Recreation Fields	PRSB	6.80 M
				Total (10 Projects):		\$ 704.10 M

**NOTE:** BTF funds are being requested for advance planning for these projects to confirm scope and budget moving forward into the 2023-25 capital budget process. These costs are over and above the project budget as shown above. The project will reimburse the BTF funding, if secured, when the project is enumerated and approved to move forward.

#### 2023-25 Capital Budget – 100% Gift/Grant Projects

ELT Rank	CPC Rank	FPM Rank	FPM Score	Project Name	Funding Source(s)	Estimated Cost
1	2	2	70	L&S – Computer Sciences Building	G/G	150.00 M
2	3	3	69	CALS - Plant Germplasm/WMARS Greenhouses	G/G	18.03 M
3	4	4	64	NUR – Cooper Hall School of Nursing Addition	G/G	25.00 M
4	5	5	64	BUS – Facilities Master Plan Impl., Ph. I	G/G	15.00 M
5	6	6	45	FP&M – Library Mall Redevelopment	G/G	6.50 M
6	7	7	64	SMPH - WARF Renovations (Floors 3-7 & 10)	G/G	27.80 M
				Total (6 Projects):		\$ 242.33 M

#### 2025-27 Capital Budget – WI State Enumerated Projects

ELT Rank	CPC Rank	FPM Rank	FPM Score	Project Name	Funding Source(s)	Estimated Cost
1	1	1	84	LIB – Memorial Library Renovation, Phase II	GFSB	157.68 M
2	2	2	80	L&S – Music Academic Building, Hamel Addition	GFSB	107.74 M
3	3	3	79	HOU – Adams & Tripp Residence Halls Renov.	PRSB	59.29 M
4	4	5	74	FP&M – MSC Recapitalization/Renovation, Ph. II	GFSB	29.98 M
5	5	6	72	FP&M – CSHP Chiller & Thermal Storage Facility	GFSB-\$48.40 M PRSB-\$21.78 M	70.18 M
6	6	12	42	EDU – Kinesiology Addition to Gym/Nat Facility	G/G - \$21.88 M GFSB-\$65.64 M	87.52 M
7	7	7	62	FP&M – CSHP Black Start & Generator Impl.	GFSB - \$37.5 M PRSB-\$16.84 M	54.34 M
8	8	4	74	ATH – Camp Randall Stadium, West Improv.	G/G - \$70.0 M PRSB - \$205 M	275.00 M
9	9	8	57	ATH – McClimon Track/Soccer Complex Upgrade	G/G-\$4.02 M PRSB-\$12.06 M	16.08 M
10	10	10	54	HOU – Slichter Residence Hall Renovation	PRSB	21.80 M
11	11	9	55	RECR – Nielsen Tennis Stadium Fitness Ctr Add.	PRSB	24.01 M
12	12	11	47	LIB – Memorial Library, 2 <sup>nd</sup> Floor West Renovation	GFSB	3.89 M
13	13	15	15	UWPD – UW Police Addition	GFSB	15.51 M
14	14	13	30	LIB – Helen C. White Open Book Café	G/G-\$0.345 M PRSB-\$0.345 M	0.69 M
15	15	14	25	UWPD – Lifesaving Station Erosion Prevention	GFSB	5.93 M
				Total (15 Projects):		\$929.64 M

#### 2025-27 Capital Budget – 100% Gift/Grant Projects

ELT Rank	CPC Rank	FPM Rank	FPM Score	Project Name	Funding Source(s)	Estimated Cost
1	1	1	64	BUS – Facilities Master Plan Impl., Phase II	G/G	15.00 M
2	2	2	59	SMPH - WIMR West Wedge Marmoset Core Fac.	G/G	21.48 M
				Total (2 Projects):		\$ 36.48 M

### 2027+ Future Project Needs

- CALS Biosystems Engineering Renovation
- CALS Plant Science Building Replacement
- EDU Art Education Building
- FPM Service Building Replacement (which enables a new Computer Sciences building)
- FPM Randall Ave Chilled Water Replacement
- FPM Lakeshore Res Hall Steam & Chiller Laterals
- FPM Ingraham Utility Relocations
- FPM Walnut St. Tunnel Waterproofing
- FPM Linden Drive Utility Tunnel Replacement
- HOU Waters Residence Hall Renovation (2027-29)
- HOU Chadbourne Residence Hall Renovation (2027-29)
- HOU Bradley, Cole & Sullivan Res Hall Renov. (2029-31)
- L&S Birge Hall Addition (may need to move up to enable new Psychology Bldg)
- PHAR Research Expansion
- RGE Primate Research Facility (new building)
- RGE KRC-PLS Main Building Replacement
- ROTC Officer Education Facility (new building)
- RGE Innovation Center (new building)
- SMPH WIMR Tower III



## **Gender Inclusive Restroom Update**

UW-Madison Facilities Planning & Management March 11, 2020



#### What is a Gender Inclusive Restroom Facility?

- Typically a single-occupancy, lockable restroom
- Gender-inclusive (ie. not signed "Male" or "Female")
- Typically fully accessible for people with disabilities and sometimes includes an infant changing table
- Multi-Stall Inclusive Facility (none currently on campus)
  - Multi-occupancy restroom w/ full length stall dividers
  - Vacancy / No Vacancy locks on each
  - Shared sinks in a common area
  - Accessible stall(s) and infant changing table(s)





#### Why do we need them?

- In support of our campus diversity intiatives, we need to meet the needs of today's students, faculty, staff and visitors.
- Title IX (1972) any school that receives federal money is prohibited from discrimination based on sex, which includes sexual orientation and transgendered people. (Reaffirmed in 2016)
- We are a diverse and ever changing community.
- It's simply the right thing to do!



## Framing the discussion

#### Single Occupancy Restrooms provide:

- Redundancy: can be used by anyone
- Supports various users: people who are transgender/non-conforming, people with mobility access issues, parents with infants, etc.

#### Local and national context:

- WI: AB469 (2015), joined federal North Carolina lawsuit (2016)
- National: OSHA standards, International Building Code (IBC)
   (GG v. Gloucester School Board (2018)- segregation from peers)
- Benchmarking efforts & institutions across higher education
  - Big 10, UW System, public & private entities are ahead of UW-Madison



## Vast Variety of Temporary Signage...











Badgers take care of each other. Everyone deserves a place to go!

#### You are welcome to use the restroom that is most comfortable and appropriate for you.

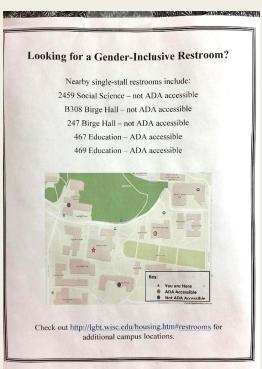
Please trust that every person knows which restroom is most comfortable and appropriate for them. Transgender people deserve to be treated with respect and dignity, and denying access to appropriate restroom facilities is harmful. No one must look a certain way to use a certain restroom. The Gender & Sexuality Campus Center encourages you to thoughtfully examine and challenge your assumptions around gender and how people look.

Looking for a single-stall restroom? The closest is:

ullding room (loor)		ADA accessible?	Υ	N
uilding, room, floor)				
	[draw map/insert map sc	reenshot here]		

UW-System's nondiscrimination policy includes protections around sex, gender identity, and gender expression (Regent Policy Document 14-6). If you have any questions about making spaces more welcoming for transgender, nonbinary, and gender-nonconforming students, staff, and faculty, please contact:

Gender & Sexuality Campus Center ◆ (608) 265-3344 lgbt@studentlife.wisc.edu ◆ lgbt.wisc.edu





## International Building Code (IBC)

- IBC requires that every building have designated gendered restrooms based on the number of men & women occupying building; the quantity of fixtures and signage of such is gender-based.
- IBC currently allows for single-user restrooms but does not recognize or provide direction on gender-inclusive facilities. They need to be over and above the code required count.
- Occupancy surveys <u>are required</u> to assure we meet the IBC codes for gendered facilities and tell us if we can use single-user restrooms as gender inclusive restrooms without impacting the code required fixture counts by gender.



## GIRF Task Force, Phase I

#### 2018 Charge from the VCFA & Provost:

1. Identify new standard signage. (Done!)



- 2. Survey existing buildings & confirm single-occupancy restrooms
  - Fixture count & occupancy surveys to meet code requirements
  - 54 buildings; 32 surveys done! 22 in process
- 3. Replace/update existing signage where possible.
  - New standard signs are in production and are being installed
  - Additional signage updates will continue
- 4. Update FP&M Technical Guidelines for new construction. (Done!)



## GIRF Task Force II – Restroom Policy

#### Fall 2018 Charge from the VCFA & Provost:

- Review existing restroom use policies from peer institutions.
   (UW-Milwaukee, University of California System, and others)
- 2. Recommend language for a UW-Madison restroom use policy.
- 3. Recommend best practices for enforcement of the new policy.
- 4. Recommend a process for communicating the new policy to stakeholders.
- 5. Recommend a process for long-term planning for the conversion, renovation and construction of inclusive restrooms facilities across campus.



## **UW-Madison** Restroom Use Policy

- Policy approved by campus leadership Spring 2019;
   Roll-out completed in Fall 2019
- Inclusive restroom use statement:
   "Students, faculty, staff, visitors and guests may use the restroom, locker room or changing facility in which they feel safest and most comfortable."
- Design inclusive restrooms in renovated & new buildings
- Design inclusive shower, locker, and changing rooms
- Include infant changing tables where possible
- Follow ADA guidelines for accessibility Universal Design

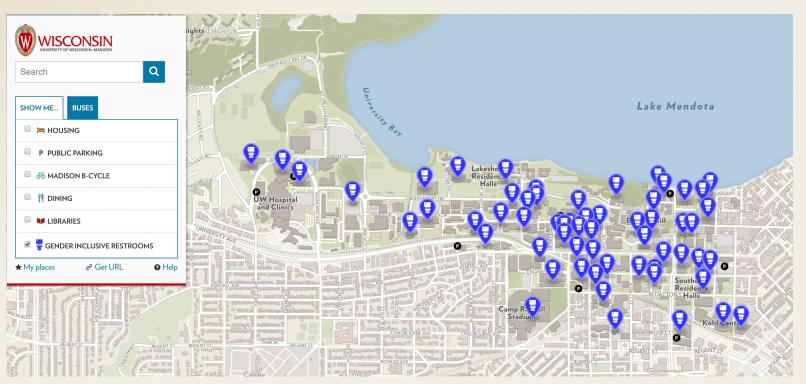


## Existing Buildings with Single-Occupancy Restrooms

- 54 buildings on campus have existing single-occupancy restrooms that have been officially reviewed and inventoried
- Occupancy studies completed on those & other buildings
- Restrooms counts are defined by the IBC and are based on building occupancy
- Some of the single-occupancy restrooms need to be included in the gendered restroom fixture count to meet code
- Some existing single-occupancy restrooms can have new standard signs for non-gendered use (35 new signs installed!)



## Campus Map – Gender Inclusive Restrooms





# Buildings w/existing single-occupancy restroom signs that are OK as is:

i.e. They currently use "Restroom" signs for single-occupancy restrooms

- Cooper Hall School of Nursing
- Engineering Centers Building
- Goodnight Hall
- Middleton Building
- Rennebohm Hall
- Vilas Hall
- Wendt Commons



## Buildings w/signs that have been updated:

- Art Lofts
- Babcock Hall
- Chamberlin Hall
- Duluca Biochemical Sciences
- 333 East Campus Mall
- 432 East Campus Mall

- Health Science Learning Ctr.
- Medical Sciences Center
- Nancy Nicholas Hall (SoHE)
- Red Gym
- Social Work
- Sterling Hall
- Taylor Hall



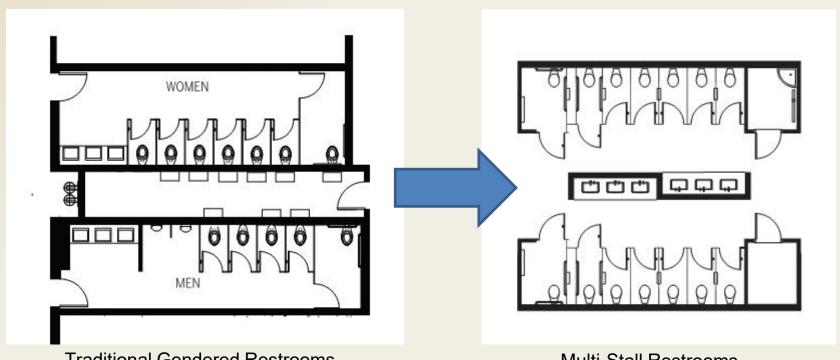
## Buildings inventoried that have a deficient number of fixtures overall

i.e. they don't meet IBC code based on occupancy; limited options for adding gender-inclusive restrooms

- AOSS
- Bascom Hall (new inclusive "restroom" created in Room 180)
- Education Building
- Educational Sciences Building
- Grainger Hall
- Ingraham Hall
- Microbial Sciences Building
- Mosse Humanities
- Sewell Social Science
- Steenbock Library



#### The Future of Restroom Design Non-Gendered Multi-Stall w/ Handwashing Stations



**Traditional Gendered Restrooms** 

Multi-Stall Restrooms



## Questions??



## STATE OF OUR STORMWATER

2019 Annual Reporting and 2020 Planning UW-Madison MS4 Stormwater Permit





#### WPDES Permit No. WI-S058416-4



- Covers all storm water discharges from UW-Madison municipal separate storm sewer systems.
  - Group Permit that covers 21 municipalities around the Madison Area.



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- New Permit Signed: July 1, 2019 (5-year permit term)



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  - Group Permit that covers 21 municipalities around the Madison Area.
- New Permit Signed: July 1, 2019 (5-year permit term)
- Previous Permit from: July 1, 2009 (extension provided in 2014)



# Significant New Permit Changes

#### Reporting

Biennial to Annual Reporting

#### **Increased Quantitative Requirements**

- Public Education and Outreach topic areas and delivery methods
- Public Involvement and Participation opportunities, including a volunteering activity.

#### **Detailed Field Screening Requirements**

• Illicit discharge field investigation frequency and sampling methodology outlined.







# Significant New Permit Changes

#### Written Programming and Policy Requirements

- Ordinance or other mechanism (policies) to enforce compliance with:
  - Illicit discharges
  - Construction site stormwater control
  - Post-construction stormwater management
- Written procedures detailing the UW-Madison programs for the (6) major areas of the permit.

#### Pollution Prevention Planning Document Requirments

• SWPPPs are required for garages, storage areas, and other sources of stormwater pollution from municipal facilities.







# Significant New Permit Changes

### Agreements with Neighboring Municipalities

• Required to establish intergovernmental agreements with the Village of Shorewood Hills and the City of Madison defining stormwater management responsibilities.

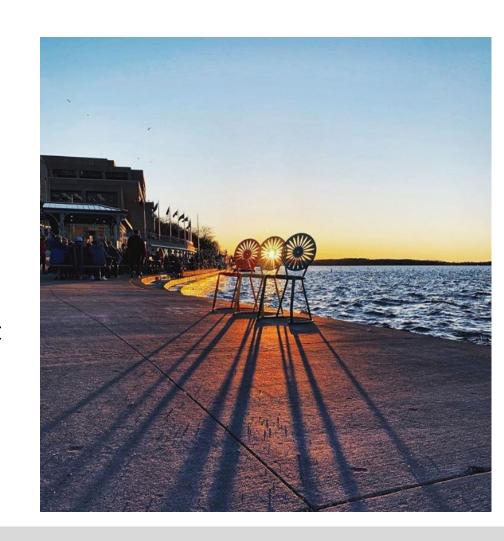




# 2019 Annual Stormwater Reporting

### **Reporting Areas**

- Public Education and Outreach
- Public Involvement and Participation
- Illicit Discharge Detection and Elimination
- Construction Site Pollutant Control
- Post-Construction Storm Water Management
- Pollution Prevention
- Interagency Agreement Update





### 2019 - Public Education and Outreach

### **Contributing Stakeholders**

Arboretum



- Newsletter Publications
  - Inside UW
  - Working@UW
- Workshop Attendance
  - Ripple Effects Rain Garden Workshop
  - Winter Maintenance Equipment Calibration
- Outreach Events
  - Community Engagement Open House:
     Opportunities for Environmental Action



# 2019 - Public Involvement and Participation

#### **Annual Activities**

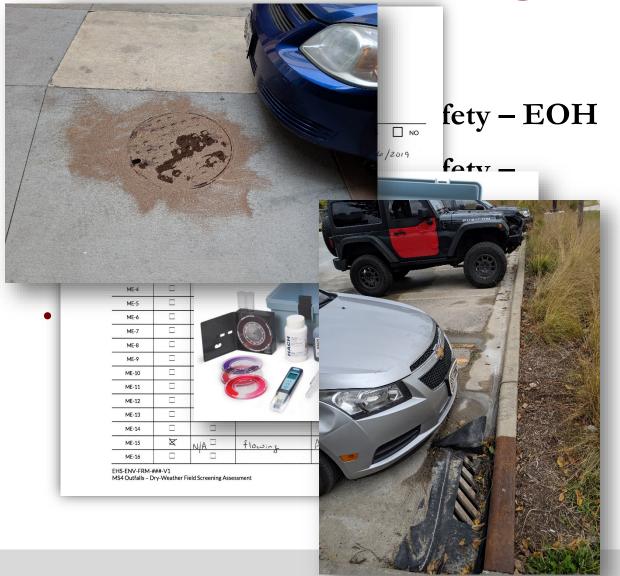
- Public Involvement Must encourage community input and offer an opportunity to provide input on the annual report and stormwater management program.
  - Campus Planning Committee was thought to be an appropriate public involvement opportunity to present the annual reporting metrics and upcoming program.
  - Historically was the Chemical Safety Committee

• Recent historical reports are posted online as will programmatic documents when developed.





### 2019 - Illicit Discharge Detection and Elimination



- Newly permitted non-contact cooling water discharge from Russel Labs to Willow Creek
- Annual dry weather outfall inspection.
- Purchase of Multi-Parameter Water
   Quality Test Kit
- EH&S spill cleanup of 5 sites where pollutants would have been exposed to the environment.



### 2019 - Construction Site Pollutant Control

#### Contributing Stakeholders

- Facility Planning and Delivery
  - Campus Planning
  - Capital Planning
- Environment Health and Safety
- Physical Plant Grounds Department
- Department of Administration DFDM

- 34 ground disturbing projects
  - 25 Physical Plant
  - 9 Capital Development Projects
- DFDM State contract required erosion control and stormwater management inspections.
- Periodic Grounds Department construction perimeter inspections.



### 2019 - Post-Construction Stormwater Management

### **Contributing Stakeholders**

- Facility Planning and Delivery
  - Campus Planning
  - Capital Planning
- Physical Plant Grounds Department

- 6 Capital Projects with Stormwater BMPs
  - 2 projects reducing impervious surface by 16,700 square feet
  - 2 New Rain Gardens
  - 1 New Bioswale
  - 3,300 cubic feet of structural soil for tree canopy

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2019	70	-	1		Witte Hall Benovation	N N	_	13,200			+		+	-			_	1			2.185		
2019	69	G	1		Music Performance	N N		8.890		_	_	<del>-   -   -  </del>	_	_			_	1			3,300		165 cells, 30° death, 4x2 dimension/cell
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2019	34		1 2		Lot 129 & 130 Reconstruction	v		34,610			_		_				_	1		3,500			39,838 existing gravel



### 2019 - Pollution Prevention

### **Contributing Stakeholders**

- Physical Plant Grounds Department
- Arboretum
- Lakeshore Nature Preserve
- Eagle Heights / University Housing
- Water Resource Management Graduate Program Cohort

- Winter De-Icing Minimization
- Street Sweeping
- Leaf Collection
- Pesticide / Fertilization Minimization
- Campus Wide Salt Use Inventory

LEAF COLLE	CTION AMOU	NTS				
	Leaves Collected	Labor Hours	Labor Cost	Disposal Ar Locati		Disposal Cost
	(tons)	Tiours		Composted	Landfilled	COST
Lawns	31.35	1140	\$45,600	31.35	0	0
Streets/Par king Lots	111	40	\$1,600	110	0	0
TOTAL	142.35	1180	\$47,200	142.35	0	0

	WEEPING UNTS
Waste Collected (c.y. or tons)	258
Amount Landfilled (c.y or tons)	258
Labor Hours:	624
Labor Cost:	\$18,752.00



# 2019 - Interagency Agreements

### **Contributing Stakeholders**

- Facility Planning and Delivery
  - Campus Planning
  - Capital Planning
- Environment Health and Safety
- Office of Legal Affairs
- City of Madison, Engineering

- UW drafted MOU provided to City of Madison in November.
- Previous agreement from 1997
- Draft updated:
  - Definitions and designated responsibilities to be consistent with new permit
  - Outdated Contacts
  - Clarification of UW-Madison
     Permitted Area



# 2019 Stormwater Report

### Published Report

• Final Report will be published after VCFA Heller signature

• 2019 and Previous Annual Reports
Posted on the EH&S Website:

FACILITIES	UW-Madison is committed to complying with all local, state and federal air regulations aimed at protecting public health and the environment.
FIRE SAFETY»	Expand all   Collaps
ENVIRONMENTAL COMPLIANCE»	+ Air
LAB ASSESSMENT FOR REMODELING>	+ Regulated Material Storage
PERSONAL PROTECTIVE EQUIPMENT»	+ Water Management
HAZARD COMMU	+ Notifications/Documents
ABATEMENT»	+ Contact

CONTACT US

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# 2020 Stormwater Planning

### Development of Programmatic Documents

- Written Programs for the 6 major permit areas due March 31, 2021
- Will include elements from previously assembled documents:
  - Green Infrastructure Plan
  - Annual Stormwater Reports

#### UW MADISON STORMWATER PUBLIC EDUCATION AND OUTREACH

2017 - 2018 Biennial Reporting - Group MS4 Permit

#### Materials produced by Dane County on behalf of UW distributed in the following ways:

Copies of the fall leaf campaign pamphlet "Love You spring rain garden campaign pamphlet "Plant Dane! Program," developed by the I&E subcommittee of the Water Partnership, were made available in the UW Safety Department reception area along with links posted on the department website

#### The following information and education (I&E) articles undertaken by campus and Arboretum staff in 2017 a

- 1) An annual spring notice regarding pesticide ( Inside UW newsletter (insideuw.wisc.edu). In notices regarding water quality and conserva publications:
- · "A data tool for homeowners to make rail January 2017.
- "Study quantifies role of 'legacy phospho News, March 2017.
- "Road salt is making North America's fres April 2017.
- · "Spinoff that puts phosphorus in its place
- · "First, but not last, algae bloom spells dan News, June 2017.
- "Madison Common Council approves UV
- "Amid environmental change, lakes surpr
- "Farmers using UW-buildt software state fertility" UW News, October 2017.
- "Ripple effects of program will help prote
- "Green spaces in cities help control flood
- · "Where the university meets the state" U

#### UW MADISON STORMWATER ILLICIT DISCHARGE DETECTION AND ELIMINATION

2017 - 2018 Biennial Reporting - Group MS4 Permit

An Illicit Discharge and Elimination program was submitted with the original stormwater discharge permit in 1995; the following describes how the UW-Madison program is implemented, along with field screening results for 2017 and 2018:

Illicit discharge detection, investigation and elimination require a joint effort between the Physical Plant Plumbing Shop and the Environmental and Occupational Health Program, a division of University Health Services. Illicit discharges are reported to the Environmental and Occupational Health Program, Plumbing Shop, Central Answering and Response Service (CARS) and/or the Environment, Health & Safety Department, All discharges are reported to the Wisconsin DNR. If necessary, discharges are reported to the Wisconsin DNR and to the City of Madison if the discharge was to the City's storm sewer system.

Inspections are conducted of older buildings on campus to detect and remove illicit connections to the storm sewer system. Such inspections may include field sampling, dye testing or other methods of detection. Environmental and Occupational Health Program staff walked the lakeshore throughout the spring and fall of 2017 and 2018. All 47 outfalls within the WPDES permit area (north of University Avenue, west of Park Street, and east of University Bay Drive) that enter Willow Creek and Lake Mendota were monitored; no unusual discharges were found. However, three areas of concern were identified: evidence of erosion on the west bank of Willow Creek near the Vet Diagnostic Lab, observed sediment at the outfalls to Lake Mendota along the Lakeshore Path, and foreign debris originating from the Agriculture Campus. Maintenance on these areas are ongoing with improvements seen during the reporting period.

Environmental and Occupational Health Program staff also conducted walk-through inspections of the agricultural campus several times throughout the summer and fall of 2017 and 2018. These periodic inspections ensure the following:

- Storm inlets are clear of straw and debris.
- Manure is properly managed.
- · Farm equipment is washed indoors so that wash waters flow into the sanitary
- Berm around the horse barn yard is functioning properly. The berm contains rainwater and directs it to the inlet located in the barn yard; this inlet drains to the

The program works well. If an illicit discharge is discovered, people know who to call; participants in the program can respond quickly to an incident. Prevention activities, such as the annual walk along the lakeshore and inspections conducted on older buildings help



# 2020 Stormwater Planning

### Development of Policy/Procedural Documents

- Determine feasibility with admiration
- To support developed stormwater management programs
- Satisfy ordinance requirements of permit
- Will seek input from all campus stakeholders through development



# 2020 Stormwater Planning

### Additional Outreach to Untapped Campus Resources

- Water@UW
- Research / Instructional Faculty
- UW Extension
- Student Organizations





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