

April 26, 2018

Re: Environmental Impact Assessment (EIA)
UW Hospital, Emergency Electrical Distribution, Phase 2
University of Wisconsin – Madison
UWHC Capital I.D. TC-1605

Potentially Interested Party,

The University of Wisconsin Hospital & Clinics has retained Ayres Associates on behalf of the University of Wisconsin System Administration (UWSA) and the University of Wisconsin-Madison to prepare an Environmental Impact Assessment (EIA) for the proposed UW Hospital, Emergency Electrical Distribution, Phase 2 project. The EIA will be prepared in accordance with the Wisconsin Environmental Policy Act (WEPA), Wisconsin Statutes 1.11, and UWSA guidelines (Board of Regents' Resolution 2508, November 6, 1981). An initial requirement of the EIA is the scoping process. The intent of the scoping process is to identify at an early stage potential beneficial or adverse impacts of the project on the physical, biological, social, and economic environments. Because you or your agency or group may have an interest in the project, we are inviting you to participate in the scoping process.

Project Background

This project, located on the southwest side of the UW-Madison campus at 600 Highland Avenue, Madison, Wisconsin, will modernize an important but aging part of the infrastructure at the University Hospital complex. Portions of the emergency electrical design and distribution systems date back to the 1970's and many of the generators are beyond their expected useful life. Some of the generators are at, or near design capacity. Many of the vintage Automatic Transfer Switches are not segregated into the appropriate Life Safety, Critical and Equipment branches. The new centralized generation facility will provide redundancy and improve reliability.

This upgrade to the University of Wisconsin Hospital emergency electrical power distribution system is needed to help meet National Fire Protection Association (NFPA) 70, National Electric Code and NFPA 110, Standard for Emergency and Standby Power Systems. The upgrade will also provide additional capacity to meet current and future emergency electrical demands. The University of Wisconsin Hospital Clinical Science Center complex initially constructed from 1973 to 1979 and has since grown to a complex of over 1.9 million gross square feet with 561 patient beds. The one-story, concrete masonry Med Flight helicopter hanger was built in 1986 and repurposed to a generator building in 2006 after the Med Flight program and hanger facilities were moved to the roof of the UW Hospital complex. In 2010, the nearby UW Medical Foundation Centennial Building was completed just to the north of the previously existing concrete hanger facility.

This project is 100% funded by the UW Hospital and Clinics Authority, a public-authority created under Wis.Stat. 233.02. No State funds are being used for this project. The current preliminary estimated project cost is \$25,000,000.

Proposed Project Action

This project will add two, 2.5-megawatt (MW), 13.8 kilovolt (kV) Caterpillar Emergency Generators to the existing 2.5-MW generator currently inside the former 4,000-gross-square-foot concrete helicopter hanger next to the Centennial Building. Two 25,000-gallon underground diesel fuel tanks (USTs) will also be installed along with associated electrical switchgear equipment, behind the existing bulk liquid oxygen tanks. Finally, the existing UST under the loading dock on site will be removed at the final stage of the project. The project will also include:

- Installation of a medium voltage (13.8 kilovolt) distribution backbone throughout the University Hospital
- Modify the existing generation facility and switchgear inside the old, on-grade concrete helicopter hanger
- Provide three branches of Automatic Transfer Switches (ATS) through the hospital for Life Safety, Critical and Equipment
- Full site restoration with turf sod/seeding and other necessary landscape plantings

Upon completion of this project, nine existing generators are to be decommissioned and removed from the hospital complex, reducing the overall acoustic impact to the adjacent properties. The removed generators will then be replaced with new transformers.

This project will increase redundancy and reliability of the emergency power system for the hospital complex, assure compliance with current electrical code requirements, and upgrade to a 13.8 kV system.

Below is a summary of the targeted project schedule.

Architect / Engineer Selection	December 2015
Begin Design	December 2015
Preliminary Review Documents	January 2018
Final Review Documents	March 2018
Project Bid	May 2018
Begin Construction	June 2018
Substantial Completion:	December 2018

A project location map and aerial photo of the project site are provided as Attachments 1 and 2, respectively.

EIA Schedule

The EIA report will evaluate the potential positive and adverse environmental impacts of the project in accordance with the WEPA and UWSA guidelines. Issues identified during the scoping process will be addressed in the Draft EIA report. As part of our standard EIA process, Ayres Associates will perform research using available databases and resources to collect information pertaining to environmental, social, economic, cultural, or historic aspects of the project. The Draft EIA report will be made available to the public for a 15-day comment period anticipated to start on May 16, 2018. A notice will be published in state and local media to announce the availability of the Draft EIA. Following completion of

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the public comment period, a public information meeting will be conducted and any comments received will be evaluated.

Appropriate revisions will be incorporated into a Final EIA document based on comments received during the 15-day comment period and public information meeting.

If you are interested in this project, we welcome any comments, suggestions, or other input you feel are important. Please submit your comments related to this project in writing by **May 8, 2018**, for consideration in the Draft EIA report. Send your comments to:

Ben Peotter, PE
Ayres Associates
5201 E. Terrace Drive, Suite 200
Madison, WI 53718
PeotterB@AyresAssociates.com

If no comments are received from you or your group, we will assume that there are no project issues that negatively impact you, or that you would like to comment on.

Ayres Associates Inc

A handwritten signature in black ink that reads "Ben Peotter". The signature is written in a cursive, flowing style.

Ben Peotter, PE
Project Manager

BP:sm

Enclosures

RESPONSE FORM

Environmental Impact Assessment Scoping Process
UW Health Emergency Electrical Power Distribution, Phase 2
University of Wisconsin – Madison
UWHC Capital I.D. TC-1605
Madison, Wisconsin

I have the following comments regarding this project and items to be considered as part of the scoping process:

[Please write comment here. Attach additional pages if necessary.]

Please complete the following information and sign if submitting comments:

Name: _____

Title/Representing: _____

Address: _____

Telephone Number: _____

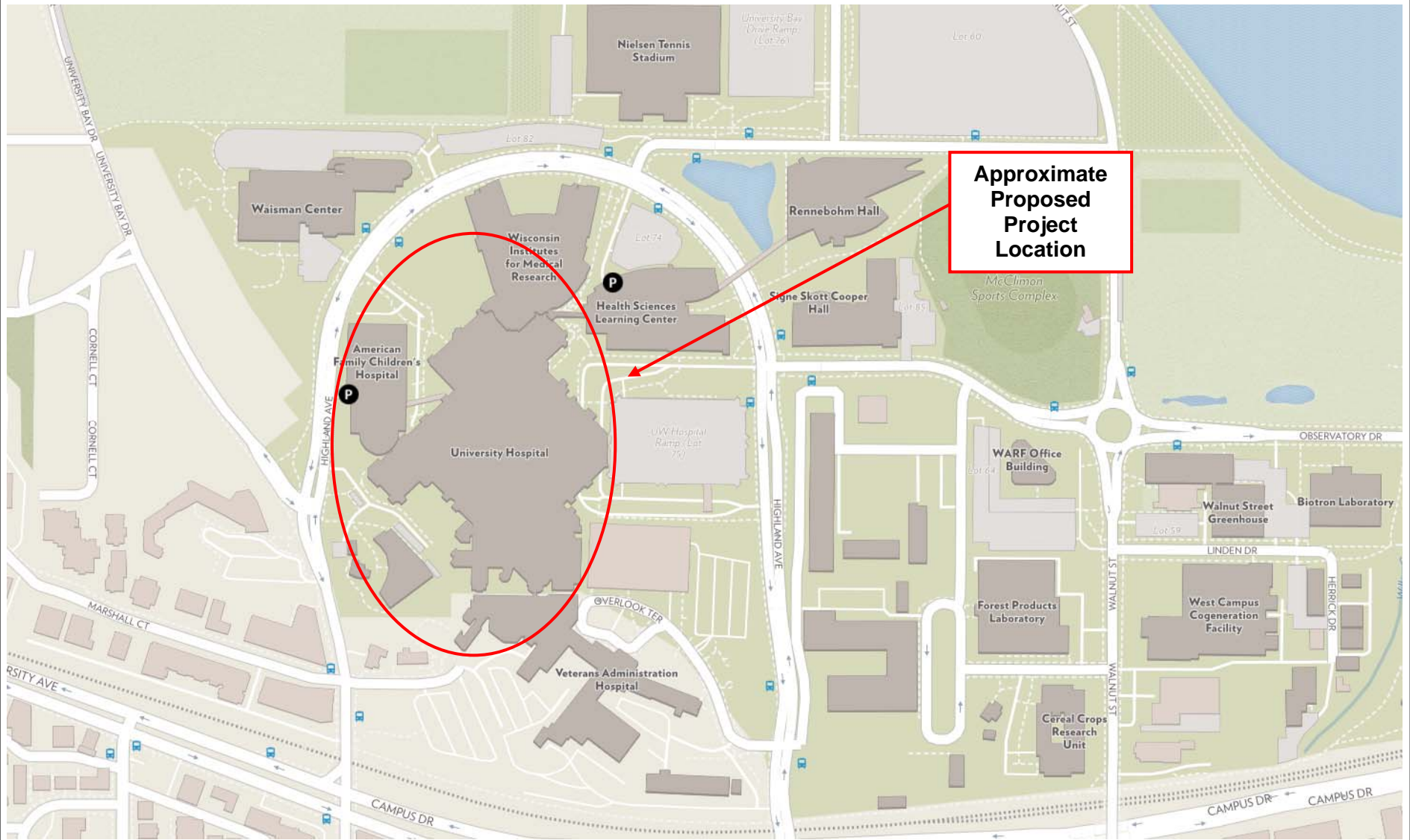
E-mail Address (optional): _____

Signature: _____

- I am interested in continuing my involvement in the public participation components of this project. Please continue to send me project notices.
- I am NOT interested in continuing my involvement in the public participation of this project. Please do NOT continue to send me project notices.

Please return this form by May 8, 2018, to:

Ben Peotter, PE
Ayres Associates
5201 E. Terrace Drive, Suite 200
Madison, WI 53718

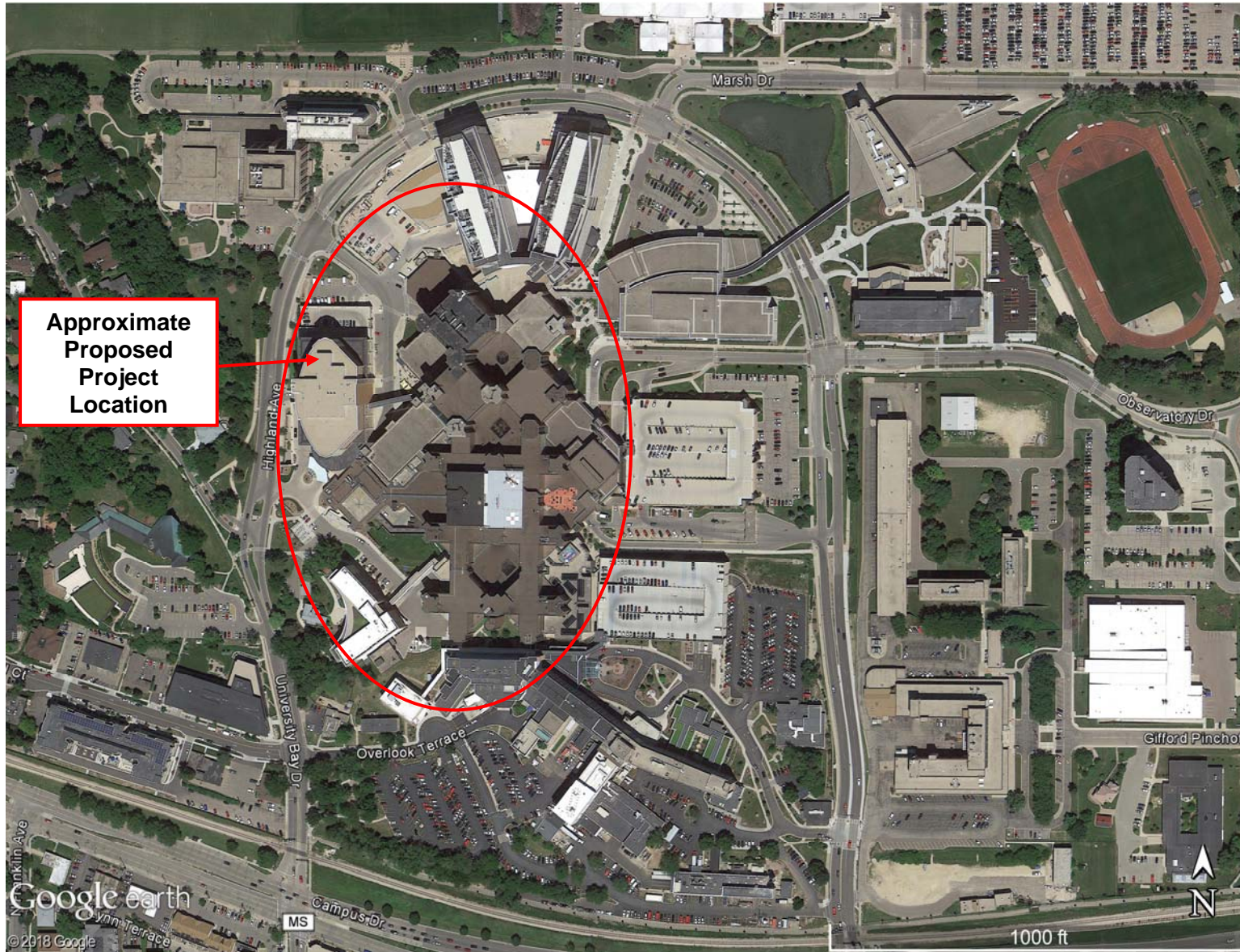


Base Map Source: University of Wisconsin, Campus Map - <http://map.wisc.edu/>

Attachment 1
Campus Map

Environmental Impact Assessment
UW Health Emergency Electrical Power Distribution, Phase 2
University of Wisconsin – Madison
UWHC Capital I.D. TC-1605





Base Map Source: Google Earth Pro, 2018

Attachment 2

Aerial Map of the Project Site

Environmental Impact Assessment
UW Health Emergency Electrical Power Distribution, Phase 2
University of Wisconsin – Madison
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WEPA Compliance Document Distribution List										
UW Health Emergency Electrical Power Distribution, Phase 2										
University of Wisconsin - Madison										
UWHC Capital I.D. TC-1605										
Contact Name	Organization	Address Line 1	Address Line 2	City	State	Zip	E-mail Address	Scoping	DEIA	FEIA
University of Wisconsin - Madison										
Gary Brown	Director, Campus Planning & WEPA Coordinator	30 N. Mills Street	4th floor	Madison	WI	53715	gary.brown@wisc.edu	M/E	M/E	M/E
Matt Collins, PE	UW-Madison Project Manager	30 N. Mills Street	4th floor	Madison	WI	53715	matt.collins@wisc.edu	E	E	E
Alex Mulligan, PE	UW Health Project Manager, Planning, Design & Construction	600 Highland Avenue		Madison	WI	53792	amulligan@uwhealth.org	E	E	E
Clark Brenner	UW Health, Manager of Construction Services	600 Highland Avenue		Madison	WI	53792	CBrenner@uwhealth.org	E	E	ND
Rob Kennedy	Transportation Services, University Bay Drive Ramp (Lot 76)	142 WARF Office Building	610 Walnut St	Madison	WI	53726	rob.kennedy@wisc.edu	E	E	ND
Mark Wells	School of Medicine & Public Health Facilities	1365 Health Sciences Learning Center	750 Highland Ave	Madison	WI	53705	mcwells@wisc.edu	E	E	ND
Jiang Office	Rennebohm School of Pharmacy	777 Highland Avenue		Madison	WI	53705	jiaoyang.jiang@wisc.edu	E	E	ND
Ben Zellers	Joint Campus Area Members (see on line listing)	126 South Hamilton Street		Madison	WI	53703	bzellers@cityofmadison.com	E	E	ND
Michael Frazier	Chief Engineer, U.S. Department of Veterans Affairs, Middleton Memorial Hospital	2500 Overlook Drive	Ground floor, B-wing, rm B-72	Madison	WI	53705	Michael.Frazier@va.gov	E	E	ND
Juli Aulik	Director of Community Relations, UWHC	749 University Row	Mail Drop: 9925	Madison	WI	53705	JAulik@uwhealth.org	E	E	ND
Connie Schulze	Director, Government Affairs, UW Health & UW School of Medicine & Public Health	749 University Row	2nd Floor	Madison	WI	53705	cschulze@uwhealth.org	E	E	ND
University of Wisconsin -Madison Student Representatives										
Katrina Morrison	UW - ASM Chair	333 East Campus mall	Student Activity Center, Room 4301	Madison	WI	53715-1380	chair@asm.wisc.edu	E	E	ND
Courtney Morrison	UW - ASM Press Office	333 East Campus Mall	Student Activity Center, Room 4301	Madison	WI	53715-1380	press@asm.wisc.edu	E	E	ND
State Elected Officials										
Office of the Governor	State of Wisconsin	115 East State Street		Madison	WI	53702	govgeneral@wisconsin.gov	M/E	E	ND
State Senator Fred Risser	State of Wisconsin - Senate District 26	State Capitol	Room 130 South	Madison	WI	53707-7882	Sen.Risser@legis.wisconsin.gov	E	E	ND
State Representative Terese Berceau	State of Wisconsin - Assembly District 77	State Capitol	Room 306 West	Madison	WI	53708	Rep.Taylor@legis.wisconsin.gov	E	E	ND
City of Madison										
Ben Zellers	City of Madison Planning Department, Transportation Planner	126 South Hamilton St	PO Box 2985	Madison	WI	53701-2985	Bzellers@cityofmadison.com	E	E	ND
Local/Regional Agency Contacts										
Peter Fasbender	U.S. Fish and Wildlife, Field Office Supervisor			Bloomington	MN		Peter_Fasbender@fws.gov	E	E	E
Designers										
Caleb Janus	Flad Structural Engineers, Structural Engineer	644 Science Drive		Madison	WI	53711	cjanus@flad.com	E	E	E
Joel Boado	AEI, MEP Engineer	5802 Research Park Boulevard		Madison	WI	53744-4991	jboado@aeieng.com	E	E	E
Andrew Burt	Ruekert Mielke, Civil Engineer	4001 Nakoosa Trail		Madison	WI	53714	aburt@ruekert-mielke.com	E	E	E
Neighborhood Associations and Apartments										
Karl Frantz	Village of Shorewood Hills Administrator						kprantz@shorewood-hills.org			
Monica Nolen	First Unitarian Society, Executive Director	900 University Bay Drive		Madison	WI	53705	monican@fusmadison.org	E	E	E
Local Libraries										
Helen C. White Library	UW-Madison Library	600 N. Park St		Madison	WI	53706		ND	M	ND
Madison Public Library	Central Branch	201 W Mifflin St		Madison	WI	53703		ND	M	ND
M = mailed a hard copy; E = electronically mailed; ND = not distributed										