



UNIVERSITY MASTER PLANNING COMMITTEE

UMPC Meeting
September 18, 2017
Harris Engineering Building, Room 356
3:00 p.m. – 4:00 p.m

AGENDA ITEMS

1. Approve minutes from July 10, 2017 UMPC meeting.
2. UMPC Chair Election, William Self, Faculty Senate Chair.
3. UMPC Request #1: Biological Science Emergency Generator Utility yard expansion.
4. Other business.



UNIVERSITY MASTER PLANNING COMMITTEE

Request for Review

TO: Mr. William F. Merck, II,
Vice President Administration and Finance

THROUGH: Ms. Lee Kernek, Associate
Vice President Facilities and Safety

FROM: *George Hayner Jr.
Project Manager, Facilities Planning and Construction

DATE:* 8/16/2017

SUBJECT: University Master Planning Commission (UMPC) Review for:

Biological Sciences Building 20 Emergency Generator for
Laboratory Specific Equipment.

Biological Science Bldg. 20 is in need of an emergency generator (in addition to the existing) for many important reasons, including the following:

- The existing emergency generator is beyond capacity due to the connected loads. The original intent of the generator was to support building life safety loads. Life safety mechanisms will not function in an event of a power failure.
- The lack of additional capacity impacts the ability to have any future modifications to the building that have a need for emergency power.
- The quantity of research currently preserved in laminar hoods, incubators, refrigerators and freezers is in the range of millions of dollars. These assets would be jeopardized in the event of a line-side power outage.

*This project is planned to implement over the fall 2017 semester. Local (not building wide) shut downs will be scheduled to occur at low occupancy to minimize disruption to the faculty and students.

UCF Utilities and Energy Services is mandating that buildings and equipment not be located above any existing infrastructure. This requirement limits the options of locating the estimated new 600 kVA generator and

therefore only one option is provided in this request. The generator was originally thought to be located in the gravel area between the existing equipment yards however, ground penetrating radar revealed that the area is heavily congested with utilities, specifically electrical primaries. Relocating the utilities would require shutdowns to multiple buildings and carry a heavy cost. Please see the attachment that illustrates the proposed location. A new brick screen wall and landscape will help conceal the generator near existing equipment.

The three palms will be relocated or replaced depending on the time of year construction of the new yard commences

IMPACT	COMMENTS
Project	*Biological Science Emergency Generator for Laboratory Specific Equipment
Site	*East Side of Building 20 on the South End (See Illustration)
Environmental	*Modified Landscape
Utilities	*Necessary for Lab Specific Equipment Used to Preserve Faculty Research Projects.
Master Plan	*No Impact
Standards	* No Impact
Security	* No Impact

This project needs to be reviewed and approved by you and the UMPC. After your review and approval of the project, please forward it to the UMPC for their review and approval.

Attachments

cc: Patrick Bohlen
George Hayner