

Plant Utilization and Planning Committee

January 13, 2020

2:00 PM to 3:30 PM

4065 Forbes Tower

1. Call to order and Introduction of attendees – The meeting was called to order by Co-Chair David Beck at 2:00pm. All persons in attendance introduced themselves to the group.
2. Approval of December 2019 meeting minutes – The minutes were approved as written.

3. Presentation:

Energy and Utilities Plans

Scott Bernotas, Associate Vice Chancellor
Facilities Management

Associate Vice Chancellor, Facilities Management provided an overview of Utilities.

- Future planning for the master plan of energy and utilities required evaluation of condition, capacity and configuration of all utilities, for current and future needs.
- Steam is generated by Pitt, chilled water has reached capacity, electricity received at Oakland substations (need a 7th substation), and gas, water and sewer is provided by local suppliers.
- 41% of our utilities is electric, steam 25%, chilled water is 19%.
- We will be presenting to the Board of Trustees a plan to increase chilled water capacity for approval.
- Utility and energy saving initiatives (for classrooms and offices) include: Air change temperature control, fume hood zone presence sensors, air quality ventilation in labs, and conversion to LED lighting.
- Ultimate objective of Pitt is to produce or procure 50% of electricity from renewable resources by 2030 and reduce greenhouse gas emissions by 50%. Results reported from 2016-2019 that goals were met and exceeded the target.
- Pitt signed a power-purchase agreement for 100% of hydroelectric plant's power and is exploring solar opportunities.
- Energy saving results and strategies include:
- Litchfield Towers renovations of all bathrooms provided an annual water savings of over \$170k.
- Re-lamping of the Petersen Events Center, SRCC, RIDC, Eberly, NPL and Chevron Science Center produced an annual energy savings of \$237k, with a one-time rebate of \$208k.
- Fault-detection efforts identified maintenance/replacement opportunities that saved over \$149k in 11 months.

4. Announcements

Jim Menegazzi distributed the 10 Coolest Schools of 2019, produced by Sierra

<https://www.sierraclub.org/sierra/cool-schools-2019/cool-schools-2019-full-ranking>

5. Adjournment – David Beck adjourned the meeting at 2:43pm

Next meeting: February 17, 2020 – 4065 Forbes Tower

- Traffic Plans Update by Amanda Purcell DOMI City of Pittsburgh

Remaining PUP Committee Meetings for 2020

- ❖ March 16, 2020
- ❖ April 20, 2020
- ❖ May 18, 2020
- ❖ June 15, 2020