Sliger Renovation 18-19

September 24, 2018
Agenda

- Why renovate?
- What to expect after renovation
- What to expect during renovation
- Discussion with RCC, Facilities and H2

This is not a sales talk and discussion is encouraged!
Why Renovate?

- Desire by central administration to reduce amount of server rooms on campus
- RCC consolidating resources in Sliger
  - FSU did not have a proper server room for academic computing resources
  - NWRDC too expensive (and not enough space for HPC)
- Sliger will not be a server room for enterprise applications
What to expect after renovation

- Tier 2 datacenter: uptime 99.9%
  - 99.999% → NWRDC
- RCC given task to facilitate collocation
  - New rack placement coordinated with RCC
  - Power whips from rack to PDU: RCC
  - Network connections: ITS NCT
  - In rack power: BYO
- Server-rooms on campus?
  - At discretion of administration
What to expect during renovation
Cold “collo-racks”

Hot “hpc-racks”

Future Cooling and Power
What to expect during renovation

- **Power**
  - Replacing of Transfer Switch
  - Additional PDUs
  - Replace 110v circuits with 3-phase

- **Cooling**
  - Replace chillers
  - Additional cooler in room

- Existing customers will be moved to new locations!
Rates (crystal ball)

- Without recurring budget no long term future
- Estimates: 10-25% of NWRDC rates
  - No time frame.
- Term limited grant funded collocation?
  - Allowed by funding agency?
  - What to do at end of grant?
- Advisory panel to talk with provost and VPR
Q&A

- Power outages?
  - What is acceptable
- Placing a new wall?
  - Impact on customers
- ...