

# INFRASTRUCTURE UPDATE

**George Srajer**  
All Hands Meeting  
January 24, 2018

# GUEST HOUSE REPAIRS

- Originally installed piping for cooling and heating water were inadequate
- Replacing them will eliminate the water damage to the drywall walls, carpets, and wood/tile flooring
  - It will also provide proper heating and cooling to each guest room and to the common areas of the building
- Schedule: dining room, lobby, and 100 guest rooms completed by February 5; remaining 60 guest rooms by February 26



**Before:** Sample of removed piping shows extent of degradation



**After:** New piping fully installed and insulated

# LOM 431/432/433 LIGHTING MODIFICATION

- **Background:** DOE directives contain specific provisions for application of high-performance sustainable building (HPSB) principles to renovations of existing facilities
- **Process:** Outside company hired to assess necessary lighting system changes to achieve HPSB designation for LOMs
- **Study Result:** Replace existing inefficient fluorescent lighting with energy efficient lighting, add occupancy sensors, add daylight harvesting where applicable
  - Project members asked if individual office dimming control can be added to the scope; request was denied due to project budget constraints
- **Status:** Installation started in September 2017; completed December 2017
- **Feedback:** Mostly NEGATIVE from LOM occupants
  - New light levels were measured at 75 footcandles, which is within Illuminating Engineers Society recommendations (50-100 footcandles)
  - New lighting controls have caused nuisance tripping

# LOM 431/432/433 LIGHTING MODIFICATIONS

## Path Forward

- APS Management committed to improve the situation
- A test dimmer was installed in LOM-433 A002 office and feedback has been positive so far
- New combination dimmers/occupancy sensor wall switches will be installed in all LOM 431/432/433 offices and open office areas



# APS PATIO RENOVATION

## Existing Conditions

- Lots of concrete at entrance to 401/402
- Project goal to improve pedestrian safety - slips, trips, falls
- Reducing hardscape will reduce future maintenance needs
- Objective to maintain APS identity

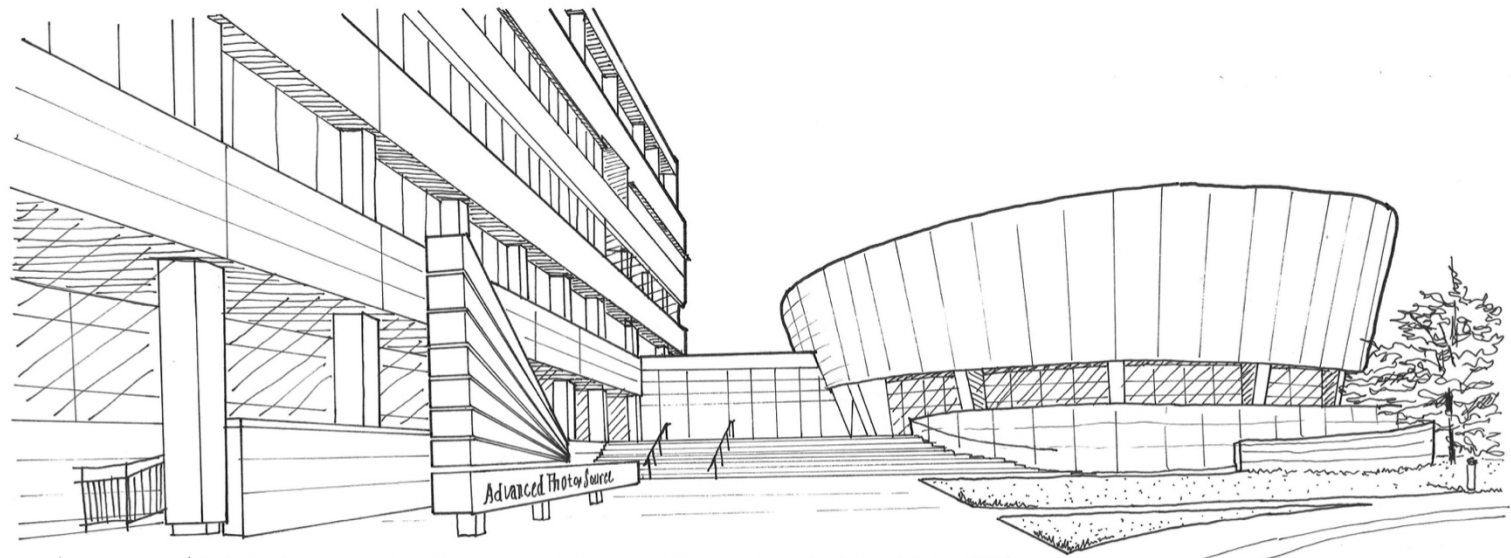


# APS PATIO RENOVATION STATUS

- APS has been working with Argonne's Infrastructure Service (IS) to develop several concepts
- Project implementation plan developed - provides a framework
- Your feedback, as well as input from IS management team, will help to determine the best way forward
- Link for survey: [https://www.surveymonkey.com/r/APS\\_entry](https://www.surveymonkey.com/r/APS_entry)
- Survey stays open until Friday, January 26, COB

# ALTERNATIVE 1

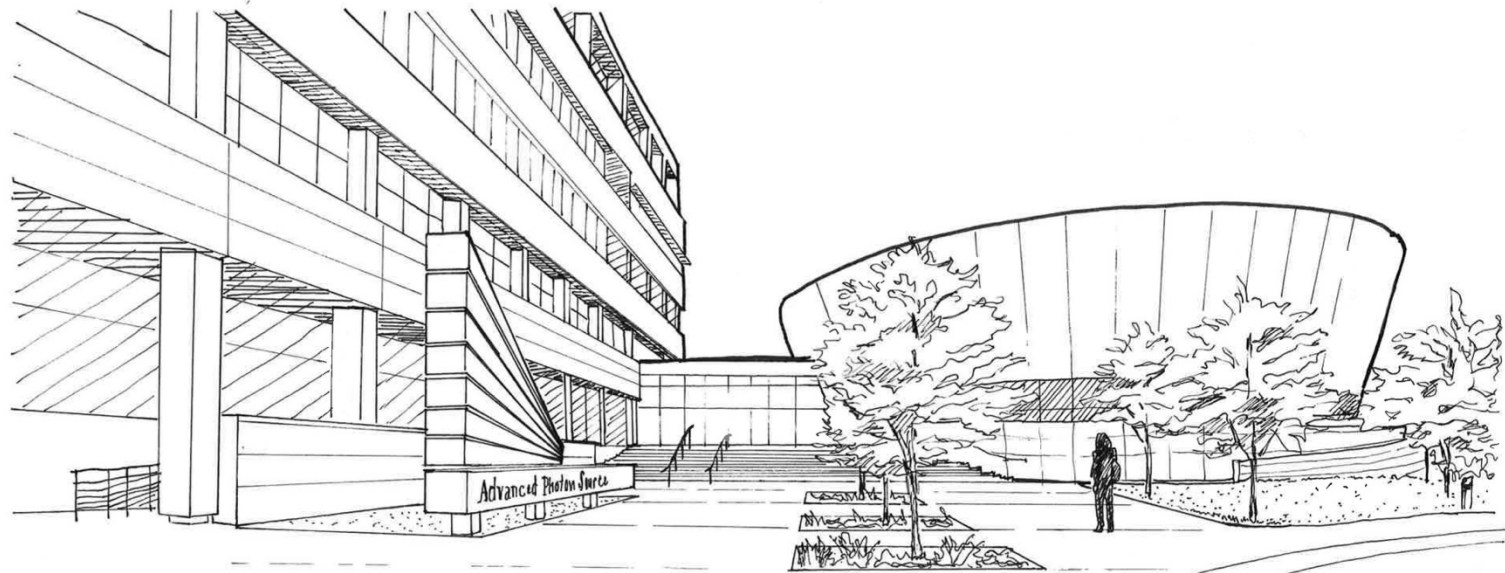
## Conceptual View



**~24% reduction in concrete**  
**Some green**

# ALTERNATIVE 2

## Conceptual View

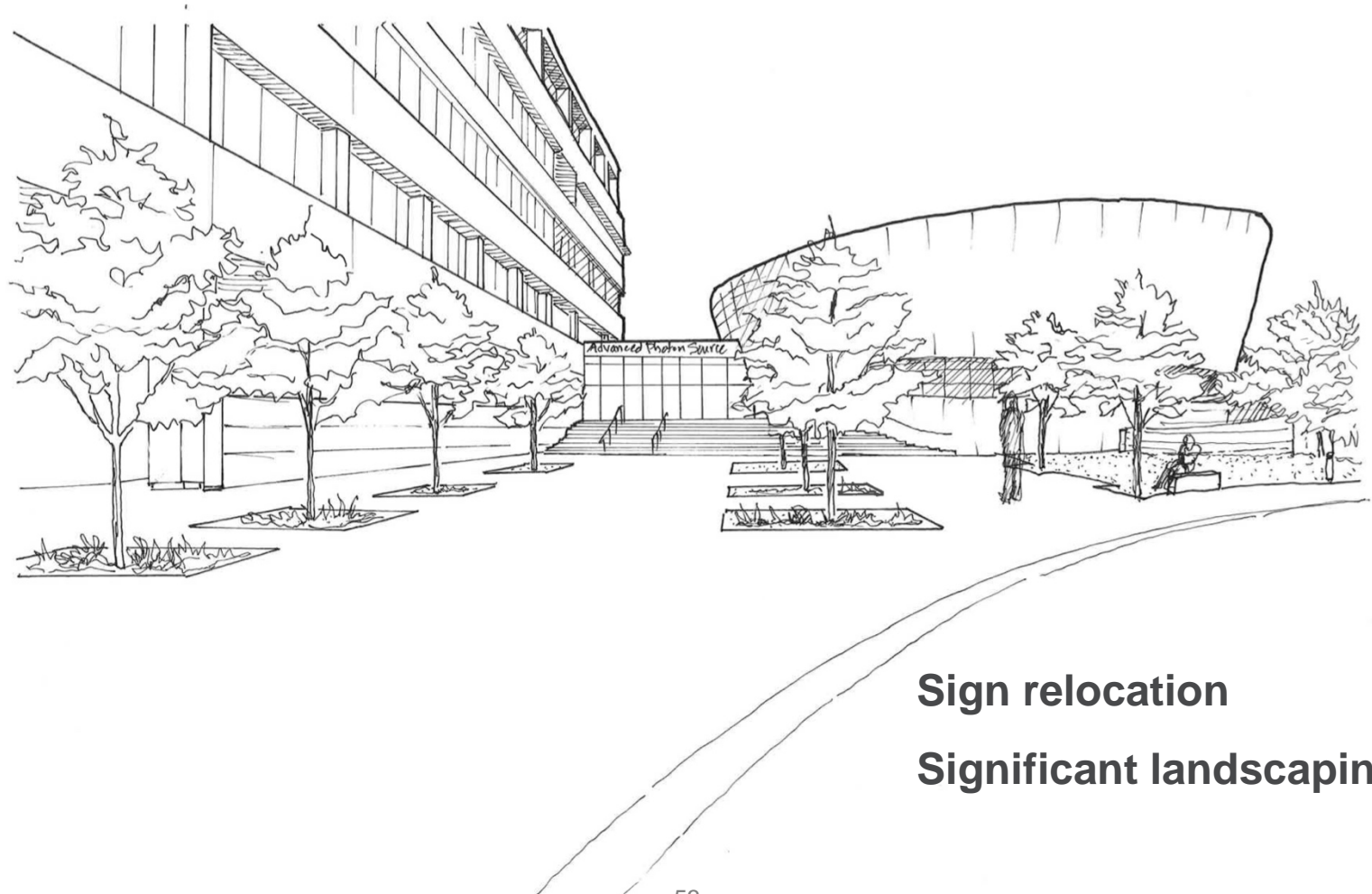


**~30% reduction in concrete**  
**More landscaping**



# ALTERNATIVE 3

## Conceptual View



**Sign relocation**  
**Significant landscaping**

# SELECTED FEEDBACK SO FAR

- 164 people responded as of Saturday 21:00
- Q2: When you think of design changes to the entrance to Buildings 401 and 402, which attribute is most important to you?
  - 20% Be environmentally friendly
  - 10% Provide a location for breaks from work, such as eating lunch
  - 46% Provide an aesthetically pleasing design
  - 13% None; it's fine the way it is
  - 11% Other (please specify)
- Q4: Would you mind if the APS sign moves to another prominent location in the entrance area?
  - 15% YES
  - 85% NO

# SOME OF THE COMMENTS

- 2 or 3 are both very nice. I like 2.
- My prioritized preference for the design concepts shown in your slides is: 3-2-1
- If you must make changes option 2 looks best. Do not use gravel in any case
- More trees and native prairie plants. More fluid and larger green areas (not everything enclosed in a 'square'). More flowing, 'like waves', where possible
- Consider an opaque film on the glass to lessen bird strikes
- I don't care if the sign is moved as long as it is in a spot where people can still take pictures around it, as that seems to be a highlight for so many guests
- The entrance to the APS is a lot of grey-in-grey
  - color would help the tired eye;
  - this could be accomplished by lots of greenery, trees and shrubbery distributed throughout the area;
  - also, the APS "spectrum" is the ugliest spectrum on earth;
  - one hopes that this spectral monotony is not indicative of what the APS can actually do in terms of spectral width;
  - repaint that thing in the colors of the rainbow! adding benches and/or table for people to sit and talk would be nice

- Questions?