Managing Energy during Curtailments and Shutdown

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Agenda

• Facility operating status in response to COVID-19
• HVAC/Building Automation System best practices
• Review of building analytics
• Maintenance and equipment replacements
• Energy audits
Facility operating status in response to COVID-19

• Facility occupancies may differ from normal operation
• Example 1: Johnston Community College closed with limited on-campus activities
• Example 2: Town of Chapel Hill has 1 aquatic facility closed, but the other has increased operations to 24/7 to accommodate social distancing needs of police station
HVAC/Building Automation System (BAS) best practices

• Closed buildings/areas – opportunity to set buildings to unoccupied schedules (ex: holiday/special events)

• Only leave HVAC equipment occupied that is essential to operation
Review of building analytics

• During downtime, review available trend data to optimize energy consuming systems
• Use data review to direct maintenance activity and energy efficiency upgrades
Maintenance and equipment replacements

• Curtailments and shutdowns provide opportunity to perform maintenance with less impact on facility operations

• Revisit capital plans for replacement of equipment nearing, at, or past end of life and replace with minimal impact
Energy audits

- Shutdowns also provide a great opportunity for facility surveys for energy efficiency upgrades
- Survey HVAC equipment and controls, lighting systems, water systems, etc.
- Investigate rebate programs for projects or opting out of rider