

To: City of Portland, ME – Portland Fire Department

From: Colby Malcolm, Eastern Fire

Re: One City Center Server Room Fire Suppression Upgrade (5<sup>th</sup> Floor Avangrid Fit Up)

Date:3/20/17

One City Center is an existing high rise structure comprised of mixed occupancies. Avangrid is currently renovating the 5<sup>th</sup> floor to accommodate multiple work stations for relocated executive employees. The space is currently protected by a fully supervised automatic fire sprinkler system and fire alarm system.

An existing mechanical room is being converted to a server room of which the tenant desires modification to the existing fire protection. A new clean agent fire suppression system (NOVEC 1230) is to be installed in the server room. The system utilizes addressable cross zoned photoelectric smoke detectors and incorporates manual controls. The system is designed per NFPA 2001 (2015 Edition) of which a design concentration of 4.7% is required as well as supervision of releasing solenoid. Compliance with current edition is at request of owner.

The existing wet fire sprinkler system shall also be modified in server and adjacent electrical room to accommodate pre action controls and activation. Detection and controls for clean agent and pre-action shall be interconnected and controlled by addressable releasing panel. Building FACP is to monitor releasing control panel for proper supervision.

Please do not hesitate to contact me with any questions. Thank you

Colby Malcolm

Eastern Fire

[malcolmcr@easternfiregroup.com](mailto:malcolmcr@easternfiregroup.com)

207-784-1507