

1 Q. What is the function of the forced draft fans at Holyrood? Are they needed to
2 evacuate smoke?

3

4

5 A. Forced draft (FD) fans are used primarily to provide combustion air to the unit
6 furnaces at Holyrood. However, during the events on January 11, 2013, the lack of
7 FD fan availability during a fire demonstrated the FD fans' ability to quickly disperse
8 smoke from the powerhouse. Since the FD fans normally draw on air from inside
9 the plant, any smoke released into the powerhouse would be cleared very quickly
10 with the fans operating. These fans, however, require a 4 kV power source. There
11 are a number of much smaller 600 V roof and wall exhaust fans utilized for normal
12 plant ventilation that can assist in this function as well.