

263200 ENGINE GENERATORS

1. KU's preferred manufacturer for generators and automatic transfer switches is Kohler.
2. Care should be taken to assure that exhaust outlets are extended above building roof lines whenever possible, and that stack drainage is installed.
3. Generators shall be designated primarily for life safety loads, which includes exit and egress lighting and fire alarm systems. Generators shall also serve stand-by loads such as minimal heating system equipment, sewage pumps, fume hoods and controls, elevators, large walk-in type coolers, and critical computer systems and data closets.
4. The reliability of fuel sources shall be evaluated per the requirements of NFPA 70 (NEC). Preferred fuel is natural gas.
5. Transfer switches shall be installed within generator rooms. Preferred manufacturer is Kohler.
6. Generators shall be water cooled. Air cooled will be acceptable on smaller size units.
7. Adequate burn protection must be provided on generator exhaust piping.
8. When silencers are chosen, surrounding buildings and environment must be taken into consideration.
9. Suitable vibration isolation should be provided for generators.
10. Provide housekeeping pads and vibration isolation under generators.
11. Ensure that generator exhaust does not short-circuit back into air intakes.
12. Interface to the campus BAS system shall be provided so that the BAS can monitor generator "run" and "alarm" status.