

Staff In-Service Test Criteria
Combustion Turbines over 95 MW

1. All major construction work is complete.
2. All preoperational tests have been successfully completed.
3. Unit successfully meets all contract operational guarantees.
4. Unit successfully demonstrates its ability to initiate the proper start sequence resulting in the unit operating from zero rpm (or turning gear) to full load when prompted at a location (or locations) from which it is normally operated.
5. If the unit has fast start capability, the unit demonstrates its ability to meet the fast start capability.
6. Unit successfully demonstrates its ability to initiate the proper shutdown sequence from full load resulting in zero rpm (or turning gear) when prompted at a location (or locations) from which it is normally operated.
7. Unit successfully demonstrates its ability to operate at minimum load for one (1) hour.
8. Unit successfully demonstrates its ability to operate at or above 95% of nominal capacity for 4 continuous hours.
9. Unit successfully demonstrates its ability to produce an amount of energy (MWhr) within a 72 hour period that results in a capacity factor of at least 50% during the period when calculated by the formula: capacity factor = (MWhrs generated in 72 hours) / (nominal capacity x 72 hours).
10. Transmission and distribution facilities demonstrate their capability to export the entire plant net capacity.
11. If unit has dual fuel capability, the unit successfully demonstrates its ability to start on the back up/secondary fuel as described in item 4.
12. If unit has dual fuel capability, the unit successfully demonstrates its ability to transfer between the two fuels while on line.