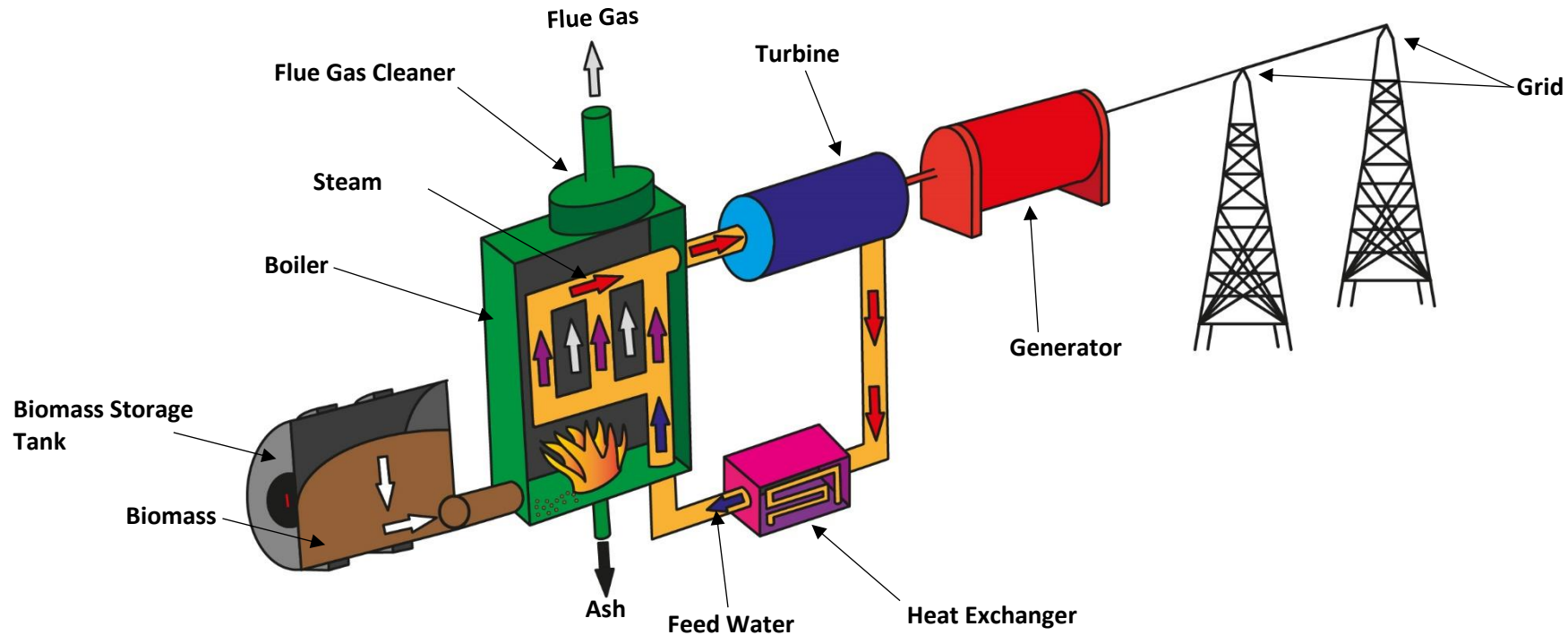


RENEWABLES INSURANCE WEEKLY MINI-SERIES EPISODE 9: BIOMASS PLANT



POINTS TO CONSIDER

- This is a generic simplified diagram other set ups are possible.
- Biomass material is combusted to generate heat which is used to boil water into steam.
- The purpose of flue gas cleaning is to filter out pollutants, such as sulphur, before the gas exits into the environment and to extract as much heat energy as possible from the gas for use in the biomass plant.

POINTS TO CONSIDER CONTD

- The high-pressure steam is used to drive a turbine generator to produce electricity.
- The heat exchanger captures heat from the steam, increasing efficiency.
- Note equipment to connect the biomass plant to the grid such as a step-up transformer will also be present.