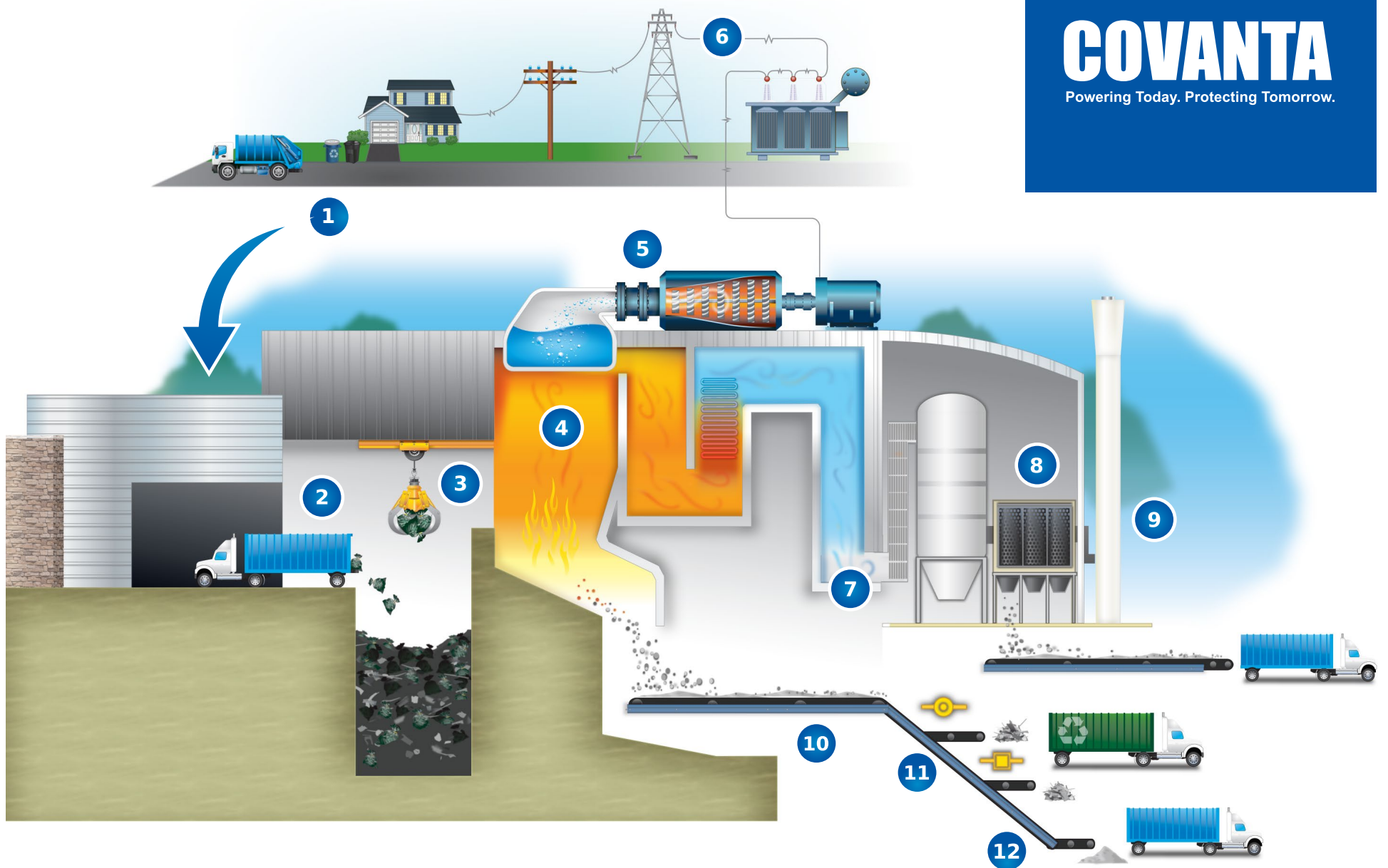


# COVANTA

Powering Today. Protecting Tomorrow.



# COVANTA Energy - from - Waste process

- 1** Post-recycled municipal solid waste is picked up at your home or business.
- 2** Waste is delivered and temporarily stored in a bunker. We maintain the building around the tipping and bunker area under negative pressure and use this air in the combustion process to control odour.
- 3** The waste is fed into a combustion chamber and burned at extremely high temperatures in a self-sustaining process.
- 4** Heat from combustion boils water to create steam.
- 5** The steam turns a turbine-driven generator to produce electricity, or may sometimes be used directly for heating or industrial processes.
- 6** Electricity is distributed to the grid and used to power homes and businesses.
- 7** State-of-the-art air pollution control equipment is used to cool, collect, and clean combustion gases. This equipment operates under stringent provincial and federal standards.
- 8** We control emissions of particulate matter primarily through a baghouse (fabric filter).
- 9** Emissions and other operating criteria are continuously monitored to ensure compliance with provincial and federal standards.
- 10** Residual material from the combustion process is collected for processing and metals extraction.
- 11** Ferrous and non-ferrous metals are extracted for recycling.
- 12** Remaining residual materials are beneficially reused or disposed of in a landfill.