

ABSTRACT

Provided is a power generating facility including: an osmotic pressure generating unit including a treated water supply unit that supplies treated
5 water treated by a membrane separation activated sludge process and a seawater supply unit that supplies seawater, the osmotic pressure generating unit being configured to generate an osmotic pressure from the treated water side to the seawater side by contact between the treated water and the seawater via a semipermeable membrane; a high-osmotic pressure generating
10 agent adding unit configured to add a high-osmotic pressure generating agent that increases the osmotic pressure in the osmotic pressure generating unit to the seawater; and a power generating unit configured to be actuated by an increase in water volume in the seawater supply unit due to the osmotic pressure.