As a nation, we've long shipped coal to the world. But could renewable energy be our next great export industry? ARENA has set exporting renewable energy as one of its four priorities. Here's how it might work.

1. Water is purified
2. Water is split into hydrogen and oxygen using an electrolyser and electric current
3. Electrolyser is powered by solar, wind or tidal energy
4. Hydrogen used as fuel locally or converted into ammonia or synthetic natural gas for transport
5. Ammonia or SNG is shipped to places like Japan or Korea, then reconverted to hydrogen and used as fuel.

Australian Government
Australian Renewable Energy Agency

ARENA