

An underwater photograph showing a vibrant coral reef. In the foreground, two large, greyish-blue sharks are swimming. The background is filled with dense, colorful coral, including red and orange species. The water is clear and blue.

How the Pacific can save the planet: Monetizing Offshore Regenerative Ecosystems (MORE)

This is not an ADB material. The views expressed in this document are the views of the author/s and/or their organizations and do not necessarily reflect the views or policies of the Asian Development Bank, or its Board of Governors, or the governments they represent. ADB does not guarantee the accuracy and/or completeness of the material's contents, and accepts no responsibility for any direct or indirect consequence of their use or reliance, whether wholly or partially. Please feel free to contact the authors directly should you have queries.

Dan Millison
Transcendergy, LLC
ACEF June 2022

0.1% Offshore RE Potential vs. Current Total Energy Consumption (MWh/year)

***MORE than enough
for all energy needs
and a huge surplus
for Power to X.***

300,000,000

250,000,000

200,000,000

150,000,000

100,000,000

50,000,000

-

Kiribati

FS Micronesia

PNG

Marshall Islands

Cook Islands

Solomon Islands

Fiji

Tuvalu

Vanuatu

Tonga

Palau

Nauru

Samoa

Power to X / Food & Oxygen using 1% of EEZ area

Seaweed revenue:	\$47 B/y
Seaweed CO2 sequestration 0.66 B t/y:	\$32 B/y
CaCO3 CO2 sequestration 2.9 B t/y:	\$148 B/y
Hydrogen revenue:	\$540 B/y
Total:	\$767 B/y

Total CO2 removed from seawater: **3.56 B t/y**
½ of what is needed for +2 C (?)

MORE is better than REDD

