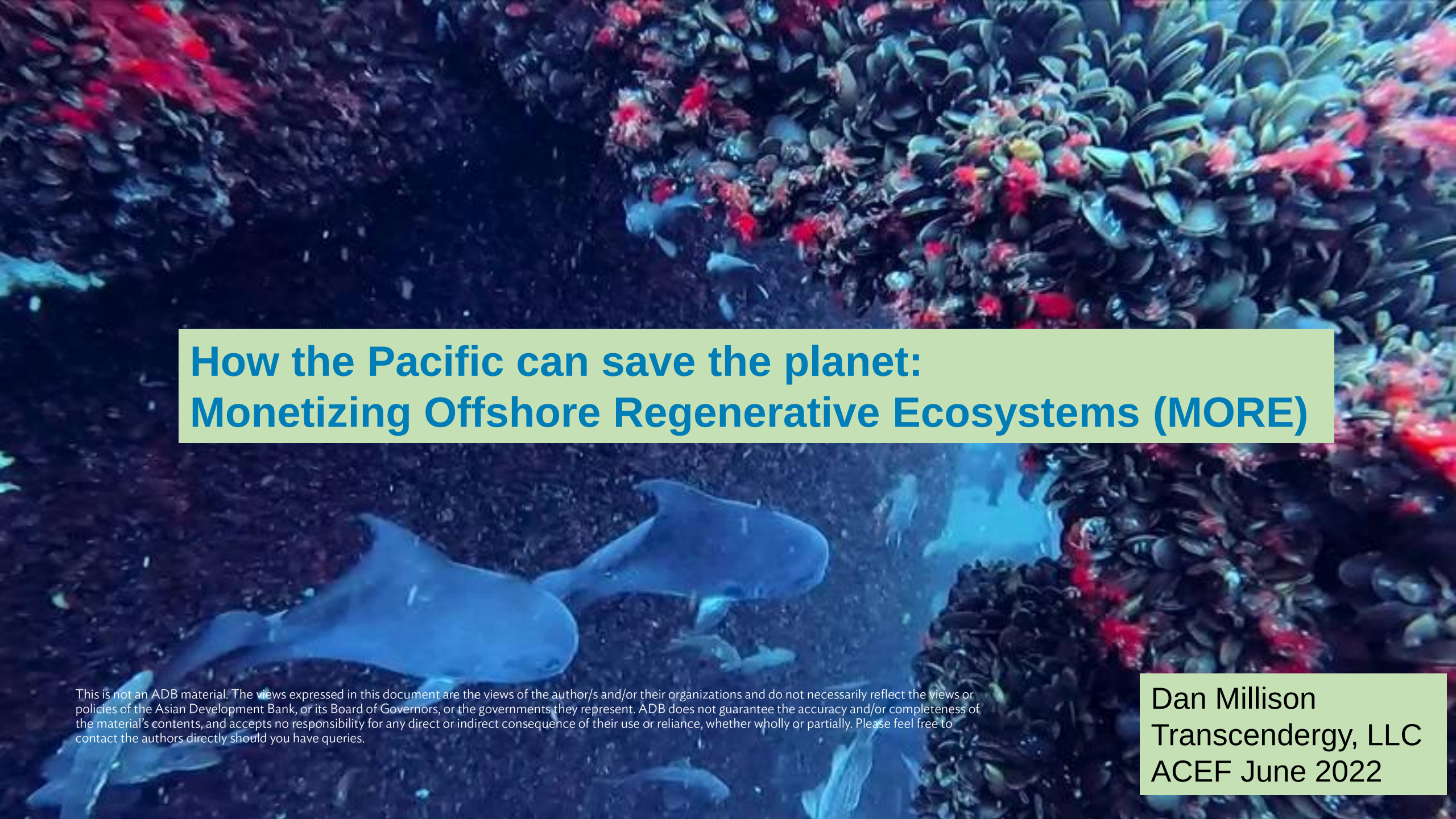
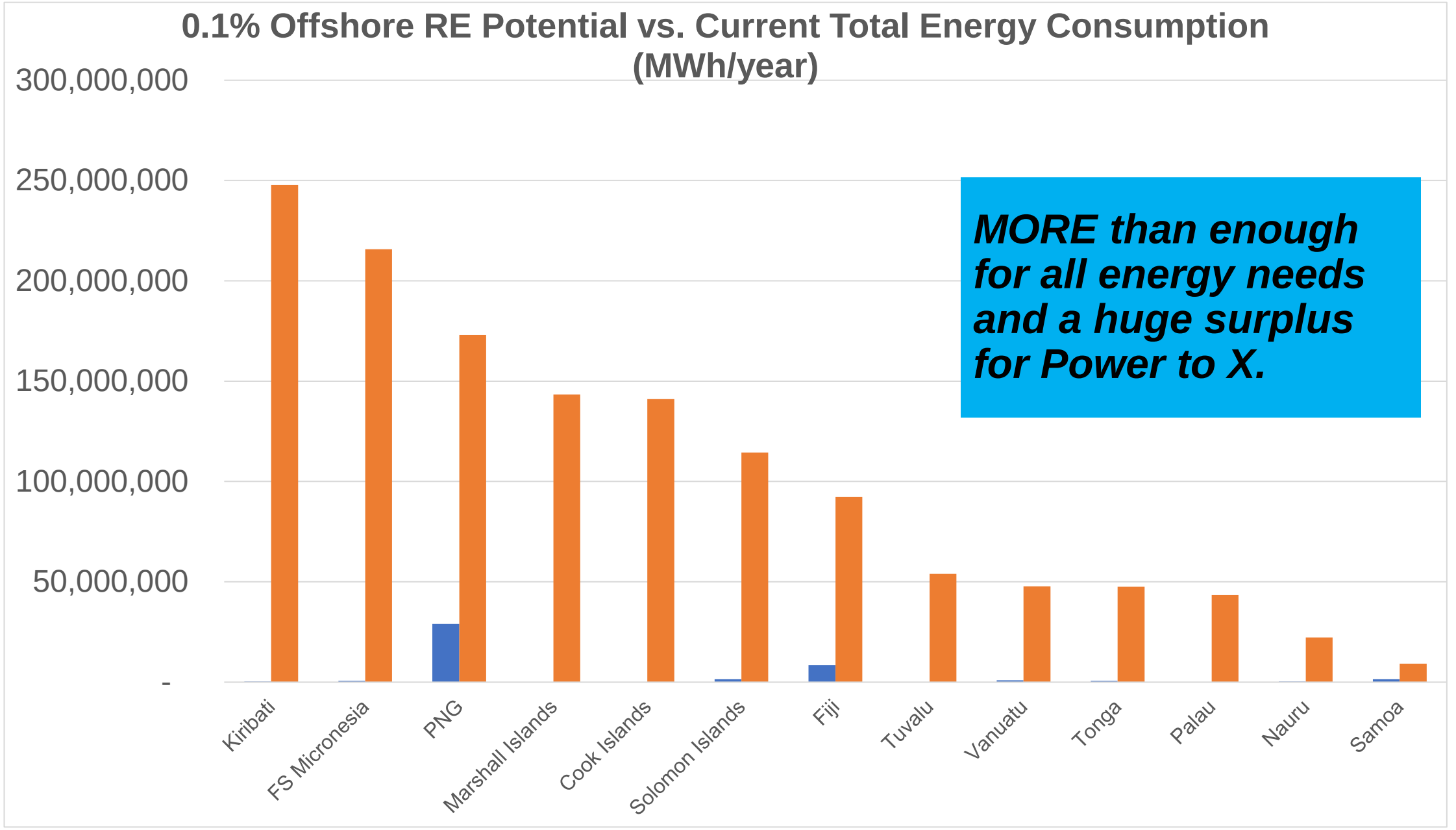


How the Pacific can save the planet: Monetizing Offshore Regenerative Ecosystems (MORE)

Dan Millison
Transcendergy, LLC
ACEF June 2022


0.1% Offshore RE Potential vs. Current Total Energy Consumption (MWh/year)
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
MORE than enough for all energy needs and a huge surplus for Power to X.

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