

100% renewables possible and affordable?



Héctor Olea – President and CEO of Gauss Energía

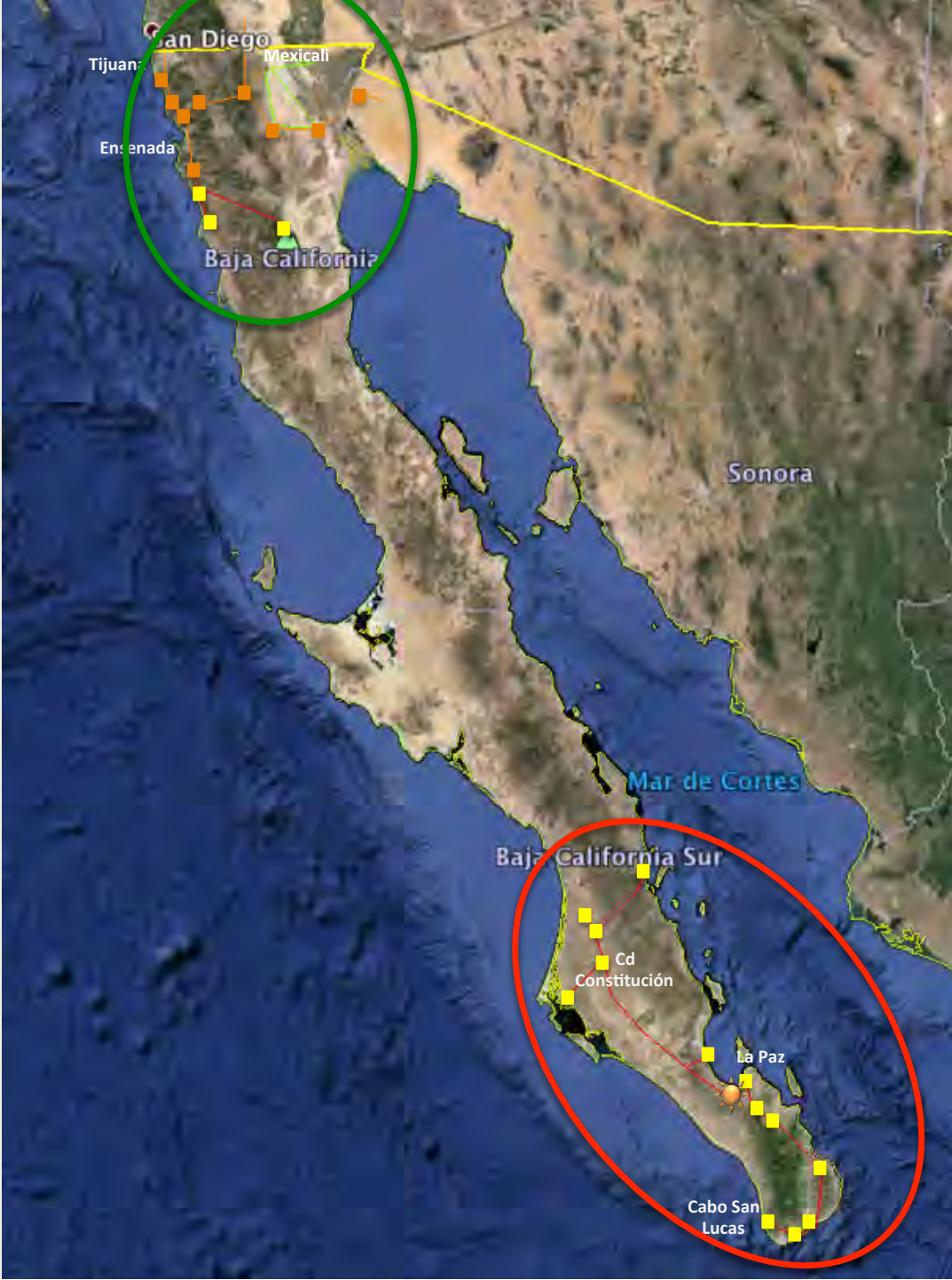
Baja California

Capacity (MW)	2,591
Geothermal	28%
Natural gas	49%
Bunker & Diesel	23%

Baja California Sur

Capacity (MW)	549
Bunker & Diesel	95%
PV Solar	5%

Data referred to January 2014



115 kV
230 kV

High voltage substations

Irradiance:
5.8-6.2 kWh/
m2/day

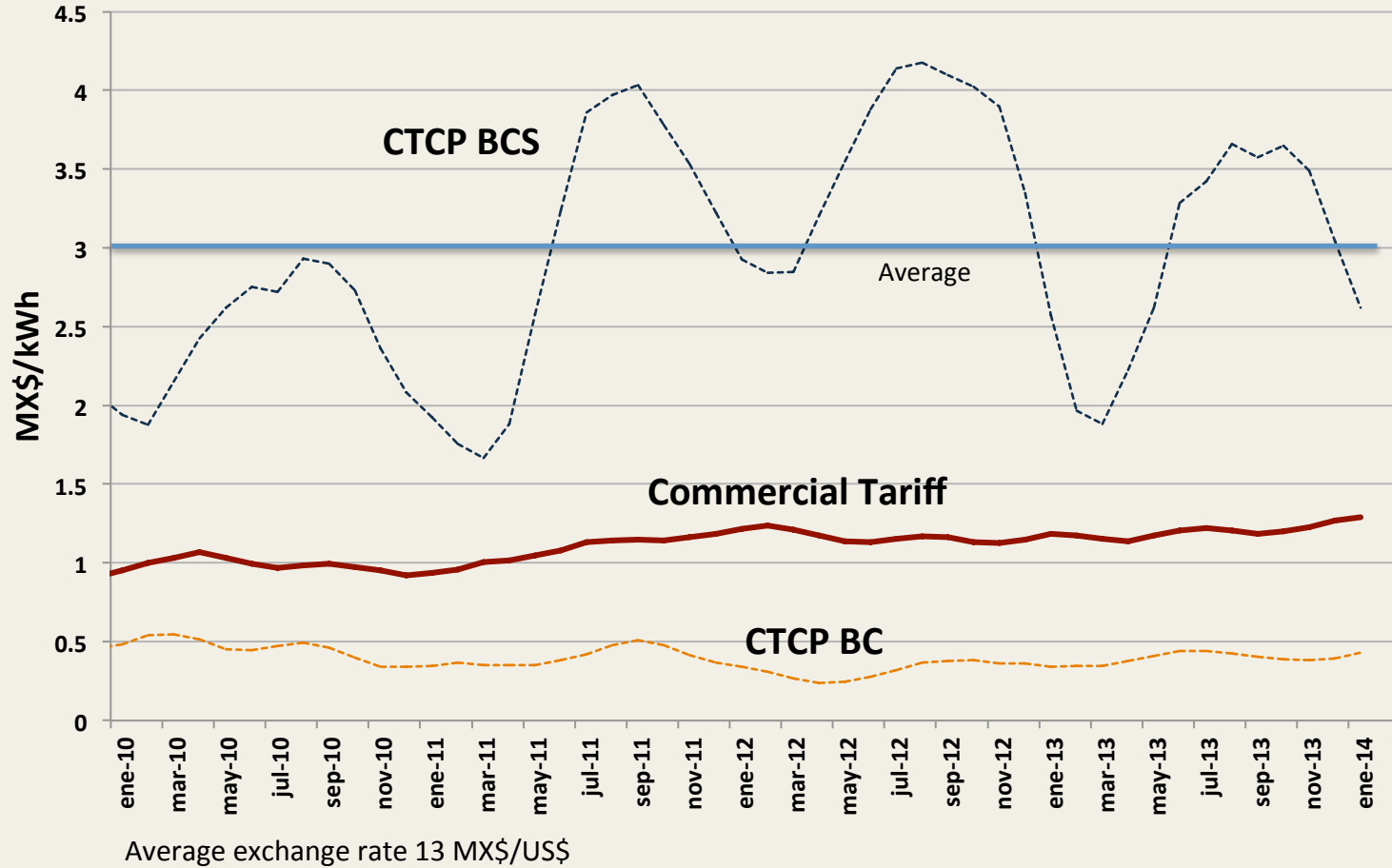
Aura Solar I

Geothermal Facility
Baja California



Bunker oil Power Facility
Baja California Sur

CFE Tariff vs. Short-Term Marginal Cost (CTCP)





Aura Solar I (39MWp) – La Paz, Baja California Sur

Largest photovoltaic power generation plant in Latin America
First utility-scale in Mexico

According with the utility (CFE), the capacity portfolio in Baja California Sur:

Up to 80 MWp of Renewable Energy, due to “technical constrains” in grid control

Possible expansions may be considered under large-scale storages technologies



Currently, capacity expansions are based on high efficiency bunker fuel thermo units (photo)

In the long-run (7 years), possible CNG or LNG availability in the region