

The Journey toward 100% Renewables in power system

Reunion Island Energy Plan



Reunion Island A French non-interconnected territory



860000 inhabitants and 386000 customers

908 MW of installed capacity (including 206 MW of PV)

2977 GWh generated in 2020

4084 generation contracts

Non-interconnected power system= fragile and unstable power system



Challenges of Energy Transition Reunion Island is already an exemple





63 GWh.

of consumption savings, equivalent to the annual consumption of a town of 60,000 inhabitants.

generation.



-44000 t.

of CO2 emissions avoided. The equivalent of 96 hectares of forest preserved..

Reunion Island Energy Plan Key drivers and pillars for Energy Transition

The law



Targets in % of RE



3 key pillars of Reunion Island Energy Plan



) Rolling-out low carbon mobility

Reunion Island Energy Plan Increasing Renewable Energies and eliminating fossil fuels







Fighting against global warming and paving the way toward electricity selfsufficiency Reunion Island Energy Plan Reducing Energy Consumption

2023 : -263 GWh avoided/year → 2028 : -440 GWh avoided/year



Reunion Island Energy Plan Low carbon mobility strategy

Regarding Electric Vehicules

Year	2019	2023	2028
Number of EV (fleet)	1000	10600	33700
Number of EV public charging stations (2 charging points by station)	100	550	1700

The key challenge is controlling the charging time to guarantee the stability of the electrical system



Reunion Island Energy Plan The first french 100% RE territory ?

The objectives developed in the Energy Plan allow to reach 100% of RE in the electricity mix by 2024 and nearly 59% of electricity self-sufficiency in 2028





Thanks

TRUE, MI HOUSE DR. UTHEREI SOLLY.

Challenges of Energy Transition Décarbonization and energy self-sufficiency

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Reunion Island Energy Plan Evolution of renewable capacities by 2023 and 2028



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Reunion Island Energy Plan Electricity mix forecast



The installed PV capacity increases from 190 to 500MW over the period and the share energy generated by PV from 9% to 21%

