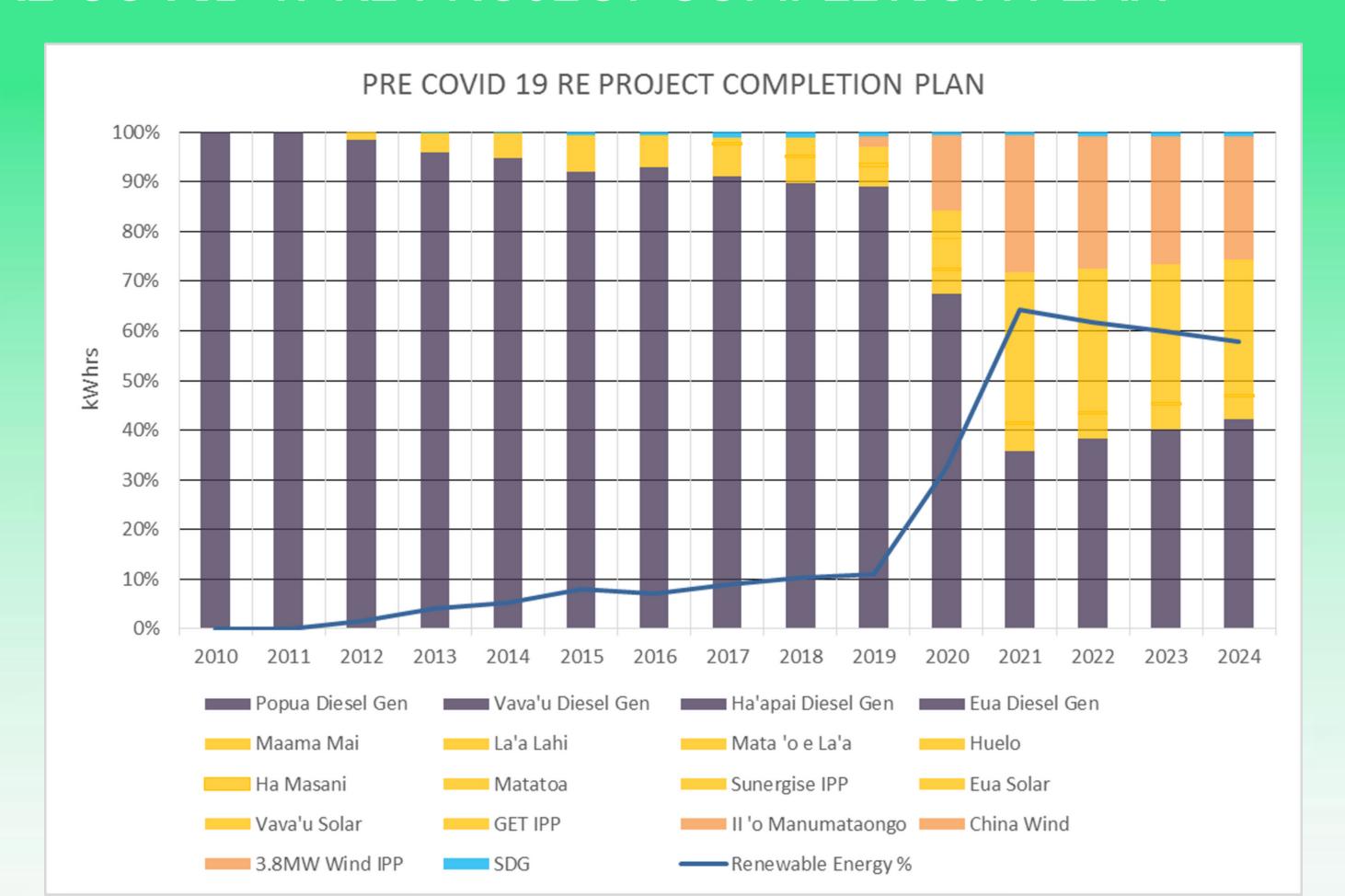




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PRE COVID-19 RE PROJECT COMPLETION PLAN



52,582 MWh produced in total



76,016 MWh produced in total

The on-grid electricity situation

2010 vs 2019

13,086,288 liters of diesel burn



0% RE

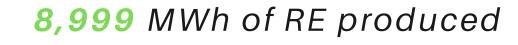
17.5% total system losses

20,480 Customers

SAIDI- 1,021 mins



16,014,805 liters of diesel burn





9.95% total system
losses

24,043 Customers



SAIDI- 625.4 mins

	Project No	RE	Project	Target Completion Date	Latest Completion	Accumulated
		Projects	Status	(Pre-COVID 19)	Target	RE%
	8	Sunergise NZ IPP 6MW Solar - Tongatapu, Liukava, Fualu, Masilamea	CONSTRUCTION PHASE	2020	3 different plans (Sept, Oct 2021)	23.44%
SOLAR PROJECTS	9	Green Energy Technology (GET) IPP 6MW	AGREEMENT SIGNED	July 2020	March 2023	34.77%
	10	'Eua & Vava'u Island Solar 650KW	DETAILED DESIGN PHASE	End of June 2021	March 2022	35.71%
WIND PROJECTS	11	Niutoua Wind IPP 4.5MW	AGREEMENT NEGOTIATION	Dec, 2020	Sept, 2023	50.64%
	12	China Wind IPP 2.8MW	SITE MOBILIZATION	Dec, 2020	Sept, 2022	57.34%
	13	Tongatapu Load Shifting Battery Energy Storage Project	CONSTRUCTION PHASE	Nov, 2020	Sept, 2021	All RE above current RE level not possible without this storage component
BATTERY ENERGY STORAGE PROJECT	4	Tongatapu Stabilizing Battery Energy Storage Project	CONSTRUCTION PHASE	Dec, 2020	Sept, 2021	All RE above current RE level uneconomic without this storage component

In Summary

- 50% Target now targeted for completion by 2025
- Covid-19 continues causing major problems for project implementation.
- Efforts to achieve 70% target by 2030 already underway
- Essential enabling projects (digitization and decentralization) ongoing.
 - Institutional and Regulatory Reform (Energy Bill)
 - Centralized Control (Grid Code)
 - Enterprise Resource Planning Improvements (RE Maintenance)