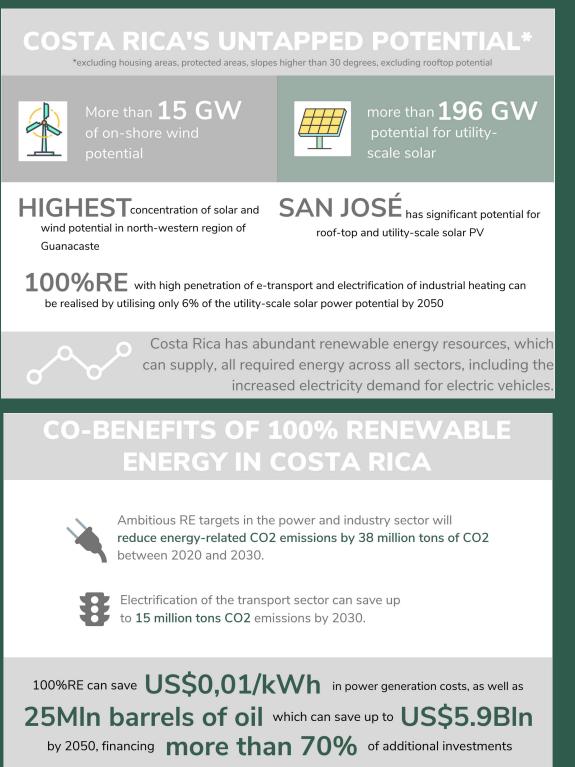
## A ROADMAP FOR 100% RE FOR COSTA RICA'S DECARBONIZATION

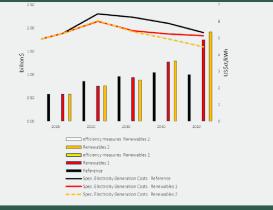
IN FEBRUARY 2019, COSTA RICA LAUNCHED ONE OF THE MOST AMBITIOUS DECARBONIZATION PLANS IN THE WORLD: AIMING TO REACH NET-ZERO EMISSIONS BY MID-CENTURY AND RUN ON 100% RENEWABLE ELECTRICITY BY 2030. WHILE THE LATIN AMERICAN COUNTRY IS ALREADY A PIONEER IN RENEWABLE ELECTRICITY, A NEW STUDY BY LA RUTA DEL CLIMA, THE WORLD FUTURE COUNCIL AND THE UNIVERSITY OF TECHNOLOGY SYDNEY DEMONSTRATES HOW IT CAN ALSO CUT ITS DEPENDENCY FROM OIL AND GAS IN THE OTHER SECTORS. THE STUDY PROVES THAT LEVERAGING COSTA RICA'S MASSIVE UNTAPPED RENEWABLE ENERGY POTENTIAL CAN HELP TO ACHIEVE ITS GOALS AND BE AN EXAMPLE FOR OTHER COUNTRIES TO FOLLOW.



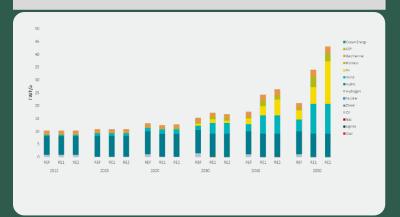
needed for higher RE integration.

To find out more, visit www.worldfuturecouncil.org/100-renewable-energy-costa-rica/

COSTA RICA - DEVELOPMENT OF TOTAL ELECTRICITY SUPPLY COSTS AND SPECIFIC ELECTRICITY GENERATION COSTS IN THE SCENARIOS\*—WITH NO CARBON COSTS \*the study compares three different scenarios: BAU, RE1 and RE2



COSTA RICA BREAKDOWN OF ELECTRICITY GENERATION BY TECHNOLOGY



## CRUCIAL EFFORTS IN ORDER TO ACHIEVE 100%RE & FULL DECARBONIZATION

PRIORITIZE DEPLOYMENT OF RENEWABLE ENERGIES ACROSS ALL SECTORS AS PART OF THE DECARBONISATION PLAN INCREASE TRANSMISSION AND DISTRIBUTION NETWORKS BETWEEN LOAD CENTRES AND RE GENERATION HUBS, SUCH AS GUANACASTE (WHICH WILL SERVE AS THE PRIMARY LOCATION FOR ONSHORE WIND)

INSTALL THE REQUIRED STORAGE CAPACITIES OF AROUND 719GWH/A (UP TO 3.5% OF TOTAL VARIABLE GENERATION IN 2050) KEEP STORAGE NEEDS TO 30% BY 2030 IN ALL REGIONS EXCEPT GUANACASTE (80%)

PRIORITIZE ENERGY EFFICIENCY, PARTICULARLY IN THE HEATING/ COOLING SECTOR INTRODUCE DEDICATED SUPPORT INSTRUMENTS ARE REQUIRED TO ENSURE THE DYNAMIC DEVELOPMENT OF RENEWABLES, PARTICULARLY FOR THE TRANSPORT SECTOR AND RENEWABLE PROCESS HEAT PRODUCTION IN THE INDUSTRY SECTOR.

To find out more, visit www.worldfuturecouncil.org/100-renewable-energy-costa-rica/