



THE TRANSFORMATION OF THE ENERGY LANDSCAPE

Juan Mogollon, EVP Energy BU

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1

Power Generation: Needs to triple by 2050, with massive switch to renewables



Fossil Fuels



Wind



Solar

To reach 1.5C target, renewable power must more than triple from 3,000 GW today to more than 10,000 GW in 2030 - Source: IRENA

2

Grid: Reaching end of life, urgent need to refurbishment (West. Hem.)



T&D Substations



HV Transmission



MV Power Distribution

Global Network of cables will need to double in length by 2050, to reach 152MM km - Source: BloombergNEF

3

Power Consumption: The world is becoming electrical



Electrification: Residential, Commercial



Mobility



EVC Infrastructure

Electricity will account for 50% of the global energy mix, up from 20% today - Source: McKinsey/IEA