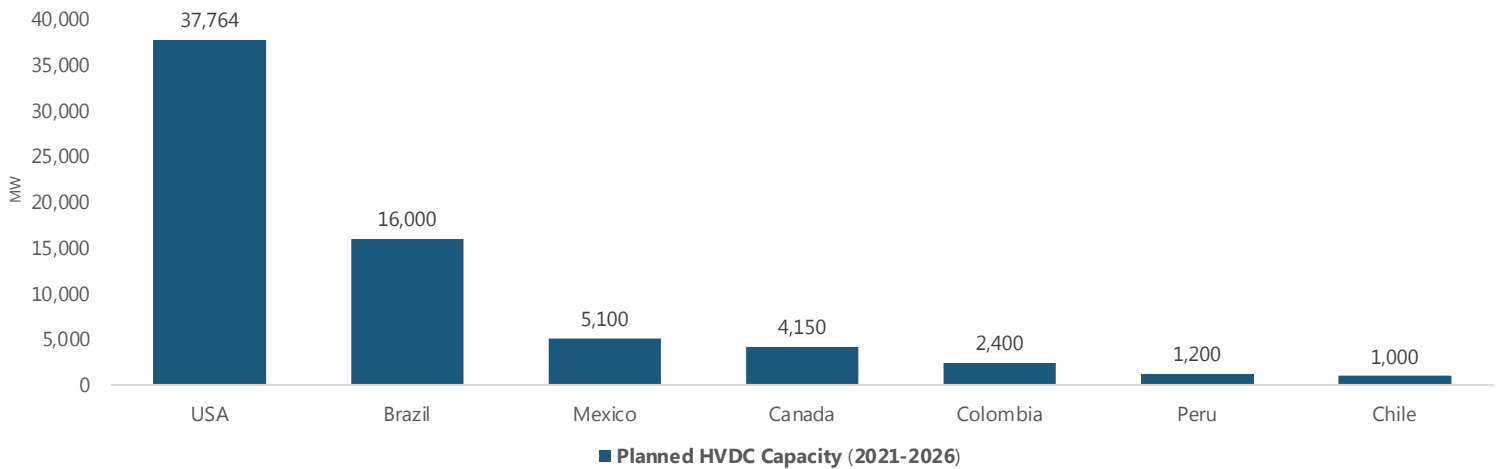


HVDC technology to become a key enabler in Americas shift towards clean energy

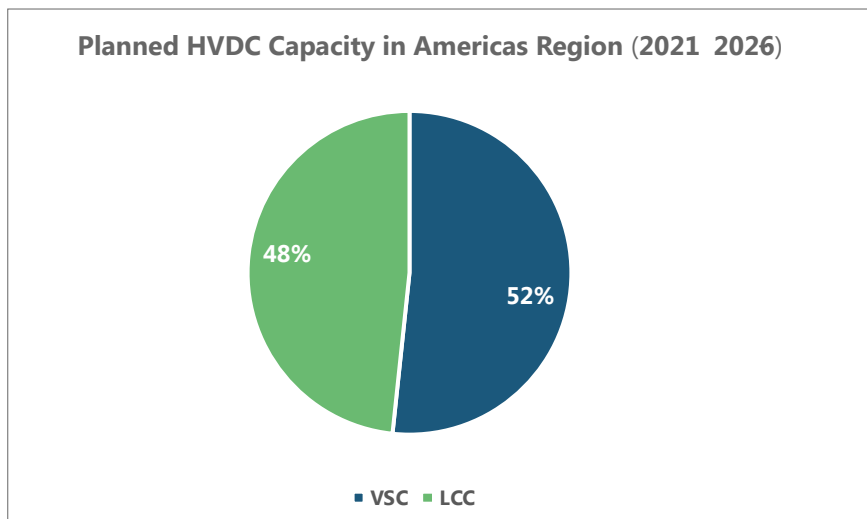
Biden administration has proposed massive actions to change the energy mix of United States which includes making power grid carbon-free by 2035. This means the share of renewables in US power generation is expected to dramatically increase in coming years. However, this requires investments in the transmission network of the country to ensure effective evacuation of power from renewable generation hotspots to demand centers. HVDC transmission technology could facilitate long-term clean energy plans of the region.

Planned HVDC Projects in the Region (2021-2026)



A total of approximately 60 GW of HVDC projects are in the pipeline for the Americas region in the next 5 years which depicts an increasing trend of HVDC technology in the region. US will be the biggest market for HVDC in the region which will be driven by the clean energy plans of Biden’s administration. Similarly, enhancement of renewable energy in the Northeast region of Brazil has instigated the need of HVDC transmission in the next few years.

Planned HVDC projects in Americas Region Split by Technology



This segmentation in technology of planned projects shows that even though the VSC technology has gained a lot of traction in the last few years, the demand for LCC technology will still be there in the region in the short term.