

WEBINAR

VARIABLE RENEWABLE ENERGY LOCATIONAL STUDY

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Study published by



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Support to Government of Pakistan on Renewable Energy Policy

1) VRE Integration & Planning Study: published November 2020

Support for development of the ARE Policy 2019, Indicative Generation Capacity Expansion Plan 2047, and ongoing power system planning efforts by NTDC

2) VRE Locational Study: published February 2021

Support implementation of ARE Policy 2019 and new Transmission Masterplan by determining optimal locations for future solar and wind development in collaboration with NTDC

3) VRE Competitive Bidding Study: to be published summer 2021

Support the implementation of competitive bidding under the new ARE Policy 2019 in collaboration with AEDB

4) Distributed Energy Solutions Scoping Study: to be published late 2021

Provide insights on the distributed energy landscape in Pakistan and options for direct public investment and for catalyzing private investment in this space, including through the Sindh Solar Energy Project

VRE Locational Study

- Originally commissioned in support of the **Sindh Solar Energy Project**
- Expanded to cover **all of Pakistan** at request of Government of Pakistan
- Intended to provide **high-level guidance** on where solar and wind development should optimally be focused to meet the Government targets for renewable energy
- Several rounds of consultation including a **workshop in 2019**, three briefings with federal **Minister and Secretary**, and a **written review period** from July-September 2020 with comments from AEDB, CPPA, NEPRA, NTDC, PEPCO, PPDP, and PPIB all incorporated
- Provinces are recommended to commission their **own more detailed roadmap studies** to provide more granularity on land, environmental, and social issues
- **Published report:** <http://documents.worldbank.org/curated/en/883241610741226840/Variable-Renewable-Energy-Locational-Study>
- **Blog:** <https://blogs.worldbank.org/energy/huge-potential-solar-and-wind-pakistan>