

Energy storage policy ankara

The national regulator in Turkey has begun awarding pre-licensing for energy ...

The approach taken by Turkey's government and regulatory authorities to adapt energy market rules will create "exciting" opportunities for energy storage and renewables.

According to Can Tokcan, a managing partner at Inovat, a Turkey-headquartered energy storage EPC and solutions manufacturer, new legislation is expected to be adopted soon that will drive a major uptick in energy storage capacity.

Back in March, Energy-Storage.news heard from Tokcan that the energy storage market in Turkey was "fully open". That came after the country's Energy Market Regulatory Authority (EMRA) ruled in 2021 that energy companies should be permitted to develop energy storage facilities, whether standalone, paired with grid-tied energy generation or for integration with energy consumption - such as at large industrial facilities.

Now, energy laws are being adapted further to accommodate energy storage applications that enable the management and addition of new renewable energy capacity, while mitigating grid capacity constraints.

"Renewable energy is very romantic and nice, but it creates a lot of issues on the grid," Tokcan told Energy-Storage.news in another interview.

Energy storage is needed to smooth the generation profile of variable solar PV and wind generation, "otherwise, it's always natural gas or coal fired power plants that are actually accommodating for these fluctuations between supply and demand".

Developers, investors, or power producers will be able to deploy additional renewable energy capacity, if energy storage with the same nameplate output as the renewable energy facility's capacity in megawatts is installed.

"As an example, if say you have a storage facility of 10MW electrical on the AC side and you guarantee that you will be installing 10MW of storage, they will be increasing your capacity to 20MW. So, an additional 10MW will be added without any sort of competition for the license," Tokcan said.

"So instead of having a fixed pricing scheme [for energy storage], the government is providing this incentive for the solar or wind capacity."

A second new route is that standalone energy storage developers can apply for grid connection capacity at transmission substation level.

Where those previous legislative changes opened up the Turkish market, the newest changes will likely lead to significant development of new renewable energy projects in 2023, Tokcan's company Inovat believes.

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