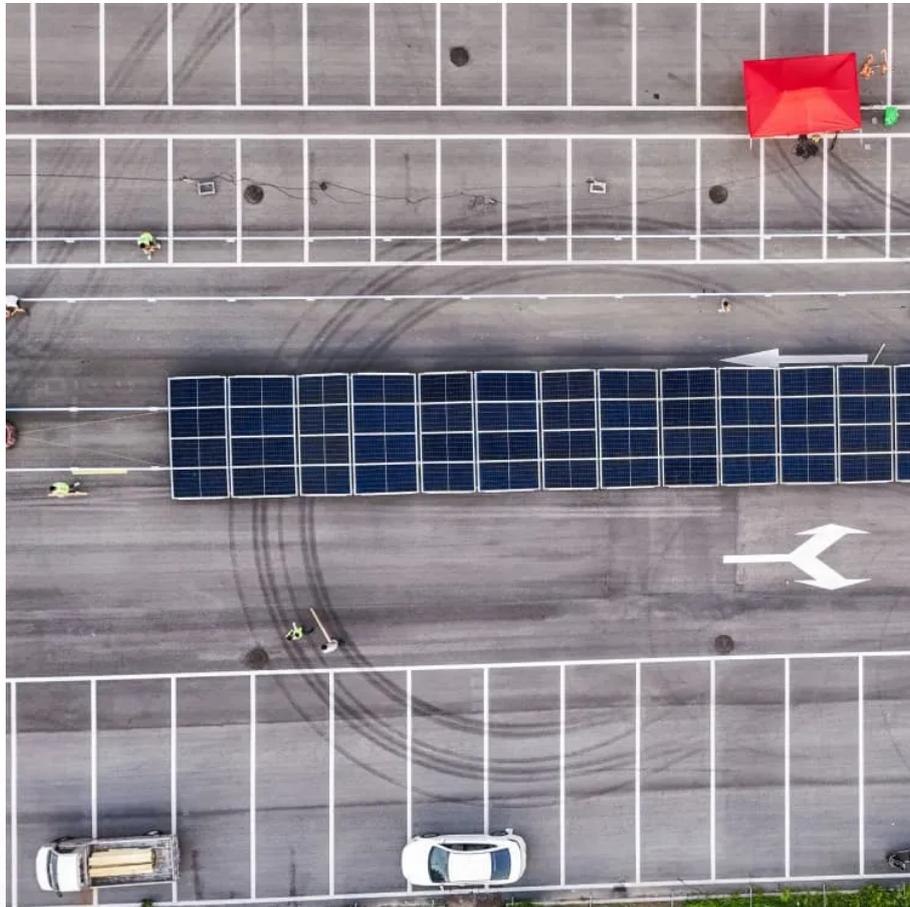


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Energy Storage Power Station Procurement



Overview

This chapter supports procurement of energy storage systems (ESS) and services, primarily through the development of procurement documents such as Requests for Proposal (RFPs), Power Purchase Agreements (PPAs), and term sheets. What are energy storage procurement contracts?

Energy storage procurement contracts must also take into account the ever-evolving suite of laws and regulations applicable to energy storage projects, including as a result of the recent change in administration in the United States.

What is station use energy?

Station Use “Station use” energy refers to energy that is required for the operation of an energy generation or storage resource in order for such resource to operate. For certain types of resources, the station load can be significant.

How does an EPC contract work for energy storage projects?

When developing an energy storage project, a project owner can engage an EPC contractor to provide a fully-wrapped EPC agreement that will encompass the procurement, installation, and commissioning of batteries. In many cases, however, owners will contract directly with battery suppliers for battery supply and commissioning.

What are the different options for energy storage projects?

In each case, there are a number of different options and alternatives. When developing an energy storage project, a project owner can engage an EPC contractor to provide a fully-wrapped EPC agreement that will encompass the procurement, installation, and commissioning of batteries.

Are energy storage projects a meter utility scale project?

The majority of new energy storage installations over the last decade have

been in front of the meter utility scale energy storage projects that will be developed and constructed pursuant to procurement contracts entered into between project developers (or a special-purpose project company owned by such developers) and the utilities.

What is a PPA for new energy storage resources?

Some PPAs for new energy storage resources have been structured as capacity-only contracts in which the developer is responsible for the sale of energy and all costs associated therewith—including the costs of the required energy procured from the utility.

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