

FACT SHEET

cap power portfolio

The Central Arizona Project (CAP) lifts water approximately 3,000 feet across its 336-mile system stretching from Lake Havasu to Tucson. Colorado River water is lifted by pumping plants – 15 in all – flowing through the aqueduct by gravity until it needs another lift to continue uphill. Water is heavy, and pumping it across the state takes a lot of energy. In fact, CAP is one of the largest end users of electric energy in the state.

CAP POWER PORTFOLIO

In the past, most of the power needed to move this water came from a single source, the Navajo Generating Station, which closed in 2019. Now, to manage its power needs, CAP has developed a diversified power portfolio, which includes a combination of long-term and market purchases.

MARKET PURCHASES



Market Forward Purchases

power from the market as needed to supplement the long-term power resources



Market Daily/Short-Term Purchases

pumping on a seasonal and hourly basis to obtain the lowest cost possible



Reverse Power Auctions

utilizing multiple supplying counterparties

CAP's annual cost for energy can range between \$60-80 million, depending on pumping volumes and market prices.

CAP'S LONG-TERM CONTRACTED RESOURCES INCLUDE:



50-year
contract for power from Hoover Dam



20-year
power purchase agreement (PPA) for energy from a 30 MW solar facility

SOURCES OF POWER



60% to 70%
Market Forward Purchases



20% to 30%
Market Daily/Short-Term Purchases



7%
Hoover



5%
Solar Phase 1

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CentralArizonaProject.com

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