

# Iron Horse Battery Storage Tucson Electric Power Tucson, Arizona



Commission Date: April 2017

Deployment configuration:

1 x 30' Container of Batteries

2 x 50' Containers of Batteries

*A DC battery block with 10-year performance warranty provided to E.ON supports Tucson Electric Power (TEP) in managing grid stability for high penetration PV.*

## Energy Storage Battery Specification

Discharge Power: 10 MW

Capacity: 3.7 MWh

Technology: Lithium Ion

## Energy Storage Functions

Frequency Response, PV Support

## Landis+Gyr/Toshiba Role

DC Energy Storage Solution

10-Year Performance Warranty

## About TEP & Energy Storage

This storage system will help TEP study how to integrate a growing portfolio of renewable generating resources. The utility has a goal of generating 30 percent of its power from renewable resources by 2030, which amounts to about 1,200 MW. In the case of solar generation, storage systems can rapidly replace sudden losses of generation that occur throughout the day without overstressing slower ramping conventional generation.

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