

# Coachella Valley-Ramon/Devers (Path 42) 230-kV Transmission Line Rebuild Project

## Path 42 Rebuild

- » *Most cost-effective transmission alternative*
- » *Increases energy import/export capacity*
- » *Reduces transmission congestion*
- » *Minimizes environmental impacts*
- » *Boosts local economy*
- » *Supports California's RPS*

## Project Overview

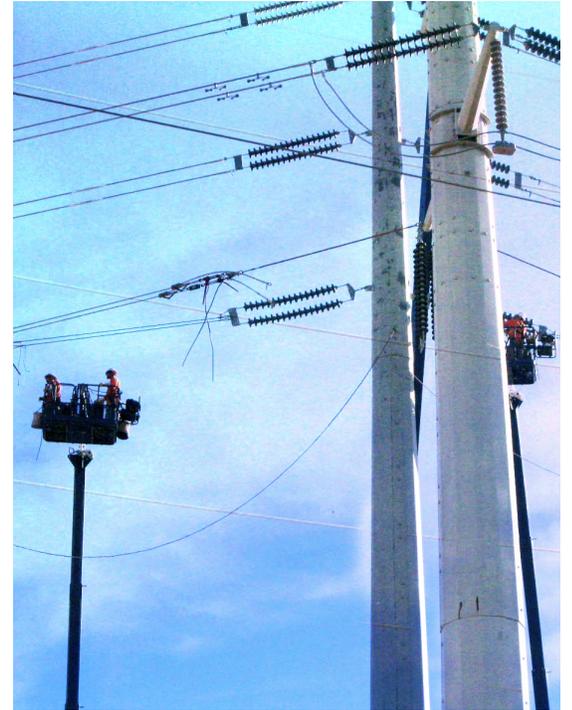
IID's Path 42 Transmission Line Rebuild Project will rebuild two existing 20.6 mile transmission lines in the Coachella Valley. One line will extend from the Coachella Valley Substation to the Ramon Substation; the other will run from the Coachella Valley Substation to Southern California Edison's Devers Substation.

The rebuild entails reconductoring the existing double circuit 230 kV transmission line with a bundle of two conductors per phase and reinforcing 73 steel lattice towers to accommodate the additional conductor weight. IID's Coachella Valley Substation will also be upgraded by incorporating a 230-kV, 48 MVAR capacitor bank and converting its existing 230 kV "ring" substation configuration to a "breaker-and-one-half" substation configuration.

## Need for the Project

The state of California has mandated energy utilities to deliver, by 2020, 33 percent of energy sold on the retail level from renewable resources. As a transmission provider that serves a region abounding with geothermal, solar, wind and biomass energy, IID has developed and implemented strategies to encourage renewable energy development in its service area. One key element is the expansion of its vast transmission system to facilitate the transport of green energy to coastal markets.

The rebuild of the Coachella Valley-Ramon transmission line, in conjunction with neighboring Southern California Edison's upgrade of its portion of Path 42, will address the "most restrictive" element in transmission in renewable energy-rich Southern California. By upgrading from single to double conductor per phase, the increased transmission capacity will reduce congestion and enable the efficient flow of green energy to and from IID's service area.



## Project Benefits

Path 42 offers numerous advantages to the renewable energy industry, IID, its customers and the local community. By simply upgrading an existing segment of the transmission system, the project:

- » *affords the most cost-effective transmission alternative for delivering Imperial Valley's renewable energy to coastal markets*
- » *increases IID's energy import and export capability by 47 percent*
- » *reduces transmission congestion on Path 42*
- » *minimizes IID's footprint on the environment by using an existing transmission corridor*
- » *boosts the local economy by creating well-paying jobs and generating tax revenues that pay for vital services and projects*
- » *supports California's Renewable Energy Portfolio Standard*

## Project Schedule

Final Engineering Design	June 2013
Environmental process completed	September 2013
Break ground	October 2013
Construction completed	April 2014
In-service date	May 2014



For more information  
about the Path 42 Project,  
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