



# Luz del Norte

COPIAPÓ, CHILE

CONSTRUCTION PHASE



## AT A GLANCE

### First Solar

OWNER & DEVELOPER

### 141MW (AC)

PROJECT SIZE

### Ground-Mounted Photovoltaic

TYPE

### UP TO 370

CONSTRUCTION JOBS

### ~174,000 AVG. HOMES

EQUIVALENT POWER OUTPUT

### ~185,000 METRIC TONS

CO<sub>2</sub> DISPLACEMENT

~37,000 cars off the road

The Luz del Norte project will be the largest photovoltaic (PV) solar power plant in Latin America when completed and will occupy 478 hectares of land located 58 km northeast of Copiapó, Chile. The project will further diversify Chile's energy portfolio and create up to 370 jobs during peak construction and 10 ongoing operations and maintenance positions.

The 141 megawatt (MW) alternating current (AC) project will be powered by more than 1.7 million First Solar advanced thin film PV modules, producing enough solar energy to power 174,000 homes and displace the equivalent of more than 185,000 metric tons of CO<sub>2</sub> emissions per year.

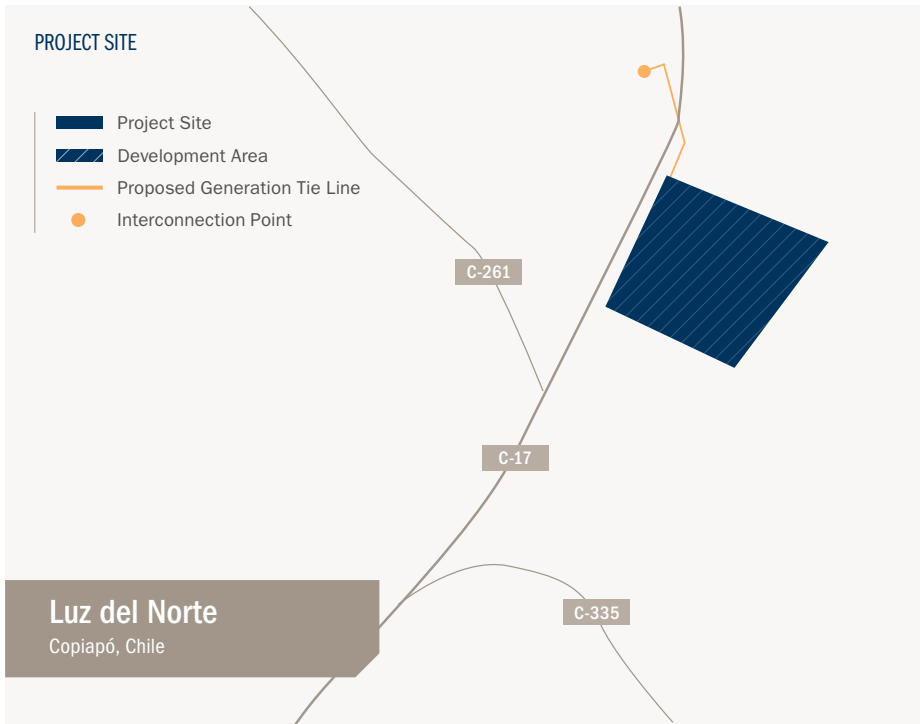
In addition to supplying the solar modules for this project, First Solar is providing Engineering, Procurement and Construction, Operations and Maintenance and recycling services.

## PROJECT BENEFITS

- Establishes Chile as a leader in solar development
- Provides business opportunities in the Copiapó region including construction, environmental, transportation, food and hospitality services
- Uses no water to clean PV panels, protecting natural resources
- Diversifies Chile's energy mix in support of the country's renewable energy policies

## PROJECT TIMELINE





## ENVIRONMENT

First Solar's projects typically have a low environmental impact. When in operation, our systems generate electricity with no water use, no air emissions, and no waste production, and have the smallest carbon footprint of any PV technology.

## ABOUT FIRST SOLAR

First Solar is a leading global provider of comprehensive photovoltaic (PV) solar energy solutions that are taking energy forward. With more than 10 gigawatts (GW) installed worldwide, we develop, finance, engineer, construct and operate some of the world's largest and most successful PV power plants in existence today.

## COMMUNITY

First Solar is committed to being a good neighbor in Copiapó through our community involvement and the environmentally sensitive design of our solar projects. We will continue to engage community groups, environmental groups and business organizations to ensure that Luz del Norte remains a valued and respected member of the Atacama region.

First Solar seeks to partner with local businesses and suppliers. Local vendors are being trained and certified to match international standards and locally-produced construction materials will be used.

In addition, First Solar established a training program in partnership with Solar Energy International at Liceo Politécnico José Antonio Carvajal to prepare students to join the growing solar industry as skilled installers of PV technology. First Solar donated a PV system to the school to provide hands-on training opportunities to its students.

## CONTACT US

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