

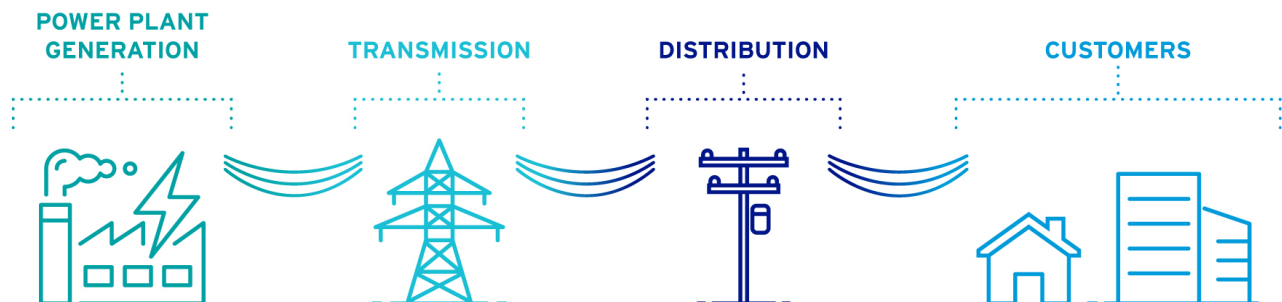
Planning For a Safe, Reliable Electric Grid

The electric power system has several main components that work together:

- Power plants that generate electricity
- High-voltage transmission lines and substations that move electricity long distances
- Distribution substations that lower the power's voltage for distribution
- Distribution lines that deliver power to homes and businesses



Electric Power System



Distribution Planning Process

Each year, SDG&E® reviews the local electric grid to understand where future needs may occur. This review is called the Distribution Planning Process (DPP). The DPP helps identify where the

grid may need upgrades, new equipment or other solutions to continue serving customers safely and reliably.

How The Distribution Planning Process Works

1. Forecast local electric needs

The California Energy Commission's load growth forecast for the SDG&E service area is broken down into smaller areas.

2. Account for customer requests

SDG&E considers customer requests, such as new service connections, expanded facilities, electric vehicle charging, building electrification or other changes that may increase electric demand.

3. Identify distribution needs

Based on the community-level load growth forecast, engineers identify distribution facilities with potential overloads or voltage issues.

4. Develop solutions

SDG&E considers different ways to address identified distribution needs. Solutions include upgrading equipment, expanding the distribution system or adding infrastructure.



SDG&E's Distribution Planning Process brings together robust system details, customer knowledge and information. Customers play an important role, sharing information about their development plans and electricity needs. The earlier SDG&E understands and receives future electric needs from customers, the better we can plan improvements, coordinate projects and support a safe and reliable service for our customers and the community.

Message funded by ratepayers