

Energy Resources

RIVERSIDE AND SAN BERNARDINO COUNTIES



Thrive Inland SoCal is a comprehensive, collaborative, and inclusive regional economic development effort working to boost quality job creation and expand access to quality jobs and wealth-building for all Inland Empire residents, especially those that have been historically disinvested and underrepresented.

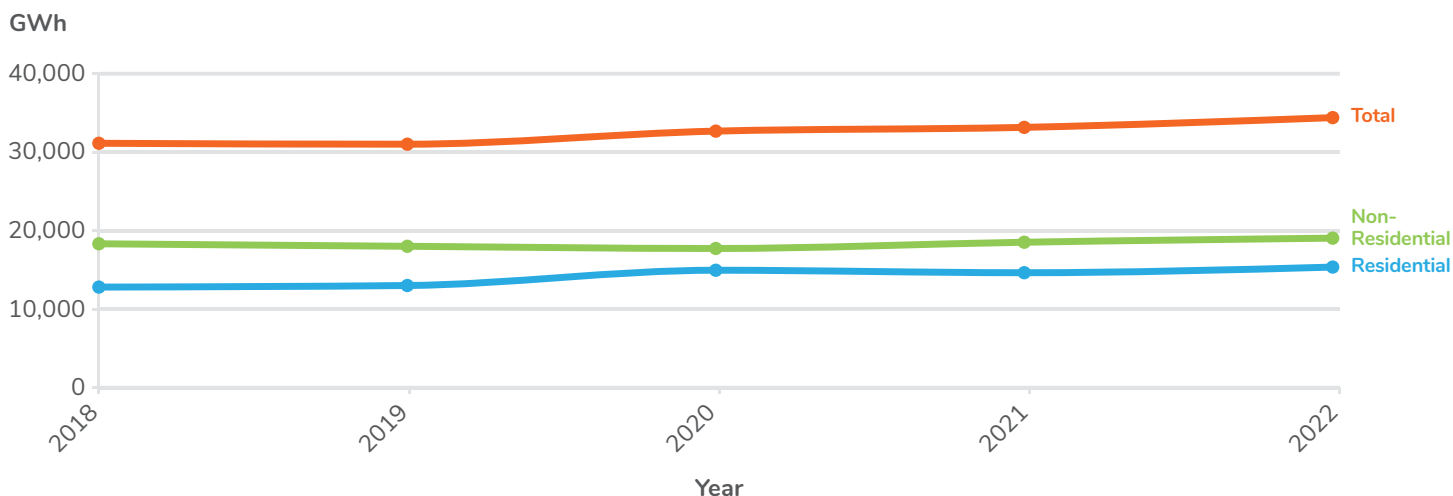
So that all stakeholders have the same baseline information, this **Energy Resources** bulletin describes some of the conditions affecting the future of our region.

The Inland SoCal region energy landscape is undergoing a transformation, driven by rising electricity demand alongside a pivot toward renewable energy:

- Electricity consumption increased by 11% from 2018–2022 and is expected to increase up to 25% from today to 2031 resulting from population growth, higher temperatures and increased electric vehicle use.
- Despite renewable energy growing by 275% since 2000, natural gas still dominates with 56% of total energy generation, while solar energy makes up 31% and wind energy 6.5%.
- Rooftop solar is widely deployed across the region with roughly 20% of homes and buildings equipped with photovoltaic panels, which provides a sizable existing source of sustainable power generation.

Electricity Consumption (GWh)

Inland SoCal Region 2018–2022



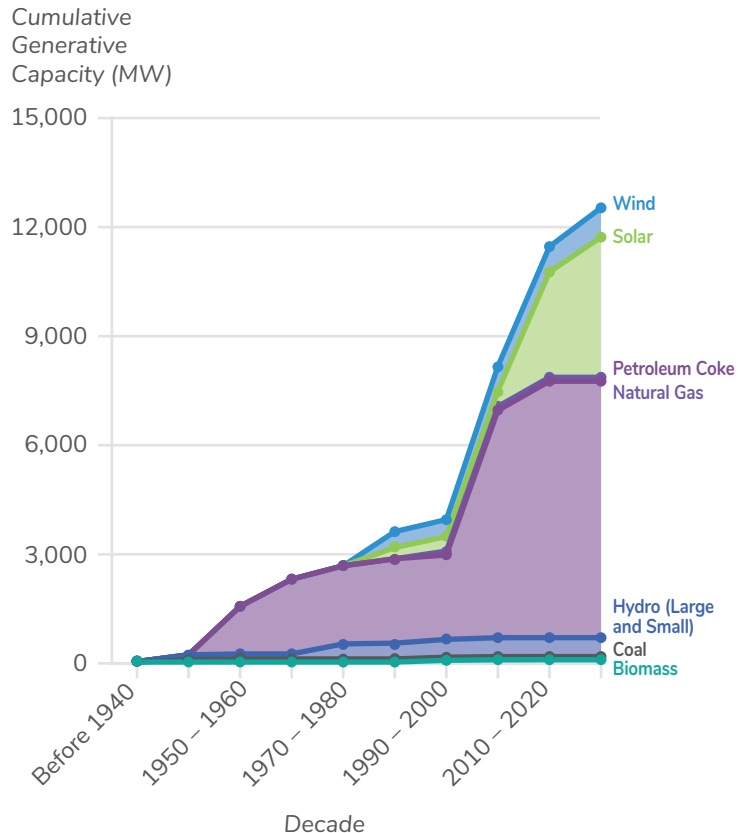
Summary of results: Between 2018 and 2022, Southern California Edison reported that electricity consumption increased by 11% in the Inland SoCal region.

Source: Southern California Edison (SCE) Quarterly Customer Data Reports

The potential for increased clean energy adoption is significant in the Inland SoCal region, with related economic growth and job creation in green energy sectors:

- The clean energy sector already employs over 42,500 individuals in the Inland SoCal region with 52% associated with energy efficiency, 22% with renewable energy and 21% with clean vehicles.
- Virtual power plants (networks of small energy-producing and energy storage units, such as solar panels and batteries) could become important to improve grid stability.
- Distributed energy resources (DERs), such as small-scale generation and battery storage systems, play a critical role in increasing energy resilience across the region.
- Significant utility-scale energy projects in the pipeline include the transformation of the Thrive Inland SoCal Energy Center into a large-scale energy storage facility, and the Crimson Energy Project, a 350-megawatt battery storage system, is set to enhance regional energy reliability.
- The electric vehicle (EV) fleet is expected to increase by twentyfold over the next 25 years and contribute to increasing energy demand.

Total Generative Capacity Installed by Energy Source for the Inland SoCal region



Source: California Energy Commission. Power plant locations and characteristics as recorded in the Quarterly Fuel and Energy Report (QFER) database from the California Energy Commission (CEC). Last updated in May 2023

Thrive Inland SoCal is building partnerships and growing the capacity needed to make a more prosperous future a reality. JOIN US in exploring the challenges and opportunities by attending an upcoming meeting.

For more details, meeting dates and contact info, visit

ThriveInlandSoCal.org

This factsheet covers one of seven key topics shaping our region's economic growth. While each topic has its own factsheet for clarity, sometimes we discuss multiple topics together to highlight how economic development is complex and connected in different ways.

