

## Kongres Container

# Government subsidies for outdoor power supplies



## Overview

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In the United States, new Treasury Department figures show that subsidies for wind and solar dwarf all other energy-related provisions in the tax code, costing \$31.4 billion in 2024, and are expected to cost taxpayers \$421 billion more between 2025 and 2034 based on the subsidies in the Biden-Harris climate bill, the Inflation Reduction Act. Should government subsidies support PV supply chain companies?

When supported by government subsidies, the government should give full consideration to the power structure of the PV supply chain companies, and the relationship of equal status of supply chain companies is most conducive to the government's implementation of PV subsidies.

What is government unit electricity subsidy p 1?

Government unit electricity subsidy p 1. According to China's distributed PV policy, in a three-tier PV supply chain supported by government participation subsidies, p 1 denotes the unit electricity subsidy of PV power generation subsidized by the government to PSSP. The total subsidy amount is  $P = Q \mu t p 1$ .

Do different power structures influence the optimal government subsidy strategy?

The results reveal the influence of different power structures on the optimal decision of each firm in the PV supply chain and the formulation of the optimal government subsidy strategy and verify the effectiveness and direction of the optimal level of government subsidy, as well as the change of influence brought by the tilted power structure.

Are government subsidies promoting green technologies?

Given the global concern about the existential threat posed by climate change, government subsidies aimed at spurring green technologies and the green transition—from solar panels to electric vehicles—can play a greater role. And the number of subsidies with green objectives is indeed increasing,

according to the World Bank's new .

Do green subsidies support innovation?

The new database identifies government subsidy programs with stated environmental objectives by sector and compares data for 2022 and 2018. It shows that among green subsidies, priorities are evolving toward programs that support innovation related to green technologies and clean energy goals, such as faster adoption of renewable fuels.

Does power structure affect government subsidies?

The impact of each parameter on government subsidies under different power structures. The practical implications behind these results show that the imbalanced power structure in the supply chain has a significant effect not only on the profit distribution among supply chain members, but also on the government's subsidy level.

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