

Can government subsidies help encroachment of power battery recycling market?

(1) Government subsidies can encourage him to adopt the encroachment strategy (win-win),but the government also needs to set a reasonable subsidy level,which should not be too high. (2) If the power battery recycling market is in its infancy and the recycling market scale is small,the government will subsidize her.

Can government subsidies help recycle end-of-life power batteries?

It is difficult for recyclers and consumers to cooperate proactively in recycling end-of-life power batteries. Thus, it is found that government subsidies to recycling companies and consumers can maximize social welfare at the lowest government cost.

Are power batteries the core of new energy vehicles?

Power batteries are the core of new energy vehicles,especially pure electric vehicles. Owing to the rapid development of the new energy vehicle industry in recent years,the power battery industry has also grown at a fast pace (Andwari et al.,2017).

What is the government's focus on the power battery industry?

Overall,as this is an emerging industry,the government's focus varied in different periods,with the initial focus being on R&D and the productionof the power battery industry to promote its development.

Should the government cancel power battery recycling subsidies?

If the power battery recycling market is in a mature stage, the recycling market scale is large, and the government's financial pressure increases, then the government can cancel subsidies because his channel encroachment strategy can also ensure environmental and social welfare.

How to improve battery recycling subsidy policy?

As the popularity of NEVs grows, the strength of the battery recycling subsidy policy should be enhanced to deal with the increase in the number of used batteries. Strengthen the supervision and subsidy standards in the battery recycling process to ensure high efficiency and transparency.

The Notice on Adjusting the Financial Subsidy Policy for the Promotion and ...

This vigorous development of the new energy vehicle industry has generated many end-of-life power batteries that cannot be recycled and reused, which has brought ...

The rapid development of the new energy vehicle industry is an essential part of reducing CO2 emissions in the transportation sector and achieving carbon peaking and carbon ...

To encourage battery manufacturers to invest in innovative technology development, the government adopts different subsidy methods: 1) subsidizing innovation and ...

The present study enhances the previously proposed carbon quota ...

With the phasing down of subsidies, China has launched the new energy vehicle (NEV) credit regulation to continuously promote the penetration of electric vehicles. The two policies will ...

As one of the seven major industries of the "new infrastructure", the charging infrastructure (CI) industry not only supports the upgrade of the new energy vehicle industry ...

The Chinese government views the development of new energy vehicles (NEVs) as a key measure to achieve sustainable development. In 2020, the government proposed the ...

With the advancement of new energy vehicles, power battery recycling has gained prominence. We examine a power battery closed-loop supply chain, taking subsidy ...

As one of the seven major industries of the "new infrastructure", the charging ...

This vigorous development of the new energy vehicle industry has generated many end-of-life power batteries that cannot be recycled and reused, which has brought serious consequences for...

The Notice on Adjusting the Financial Subsidy Policy for the Promotion and Application of New Energy Vehicles, published at the end of 2016, once again proposed that, ...

The Chinese government views the development of new energy vehicles ...

There are 4 NEVs industrial development phases based on dynamically varied subsidy in China. Phase 1 (2001-2010): initial research and development for pure electric ...

To encourage battery manufacturers to invest in innovative technology ...

Policy options for China's new energy vehicle industry in the post-subsidy era. Author links open overlay panel Yushen Du a b, Zulong Guo a b, Hongli Bao a b c. ... Abstract. ...

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Abstract: The rapid development of the new energy vehicle industry is an essential part of reducing CO₂ emissions in the transportation sector and achieving carbon peaking and ...

This manuscript touched upon the stakeholder aspect of end-of-life treatment of electric-vehicle power batteries and provided a timely simulation of pertinent governmental ...

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