

23 November 2019

E-Mobility in the city – Grid integration with benefits for all

**EUFORES 19th Interparliamentary Meeting on
Renewable Energy and Energy Efficiency, Helsinki**

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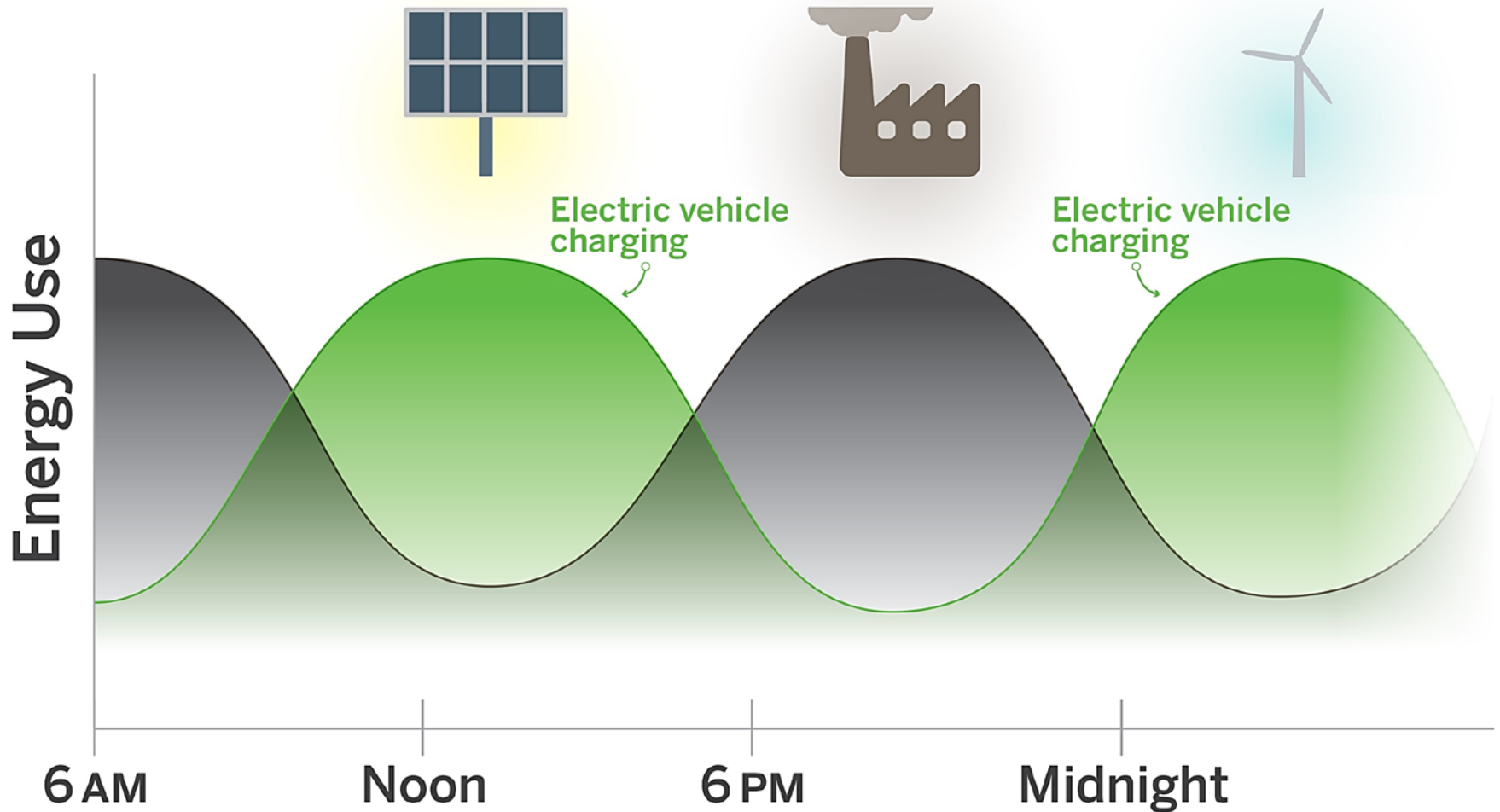
EV grid integration in cities

Grid Benefits from EVs

- Flexibility
- Reduced cost
- Renewables



Smart charging is key



Strategies for smart EV integration



Smart
pricing

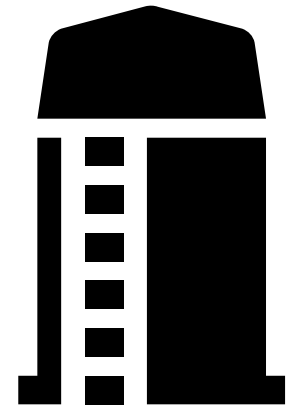
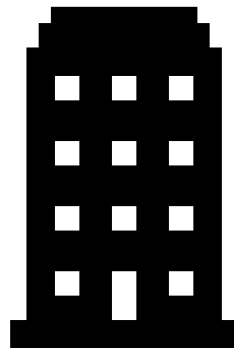


Smart
technology



Smart
infrastructure

Smart EV integration in cities



Demand-driven planning



Use existing infrastructure



Policies to advance beneficial grid integration in cities

- Accelerate charging infrastructure at workplaces and multi-unit dwellings.
- Use existing transport and grid assets through joint planning and bring down costs.
- Anticipate and address charging needs for electric logistics, buses and shared mobility services.

EU & governments: Start with smart

- Set and monitor dynamic electricity and network tariffs through CE4All package implementation
- Require smart functionality in all electric charging solutions.
- Set ambitious and differentiated target requirements for future charging infrastructure.

About RAP

The Regulatory Assistance Project (RAP)® is an independent, non-partisan, non-governmental organization dedicated to accelerating the transition to a clean, reliable, and efficient energy future.

Learn more about our work at raponline.org



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More information



Resources

- [Start with Smart. Promising practices for integrating EVs into the grid](#)
- [Beneficial electrification of transportation](#)
- [Treasure Hiding in Plain Sight. Launching electric transport with the grid we already have](#)

Start with smart

Promising practices for integrating electric vehicles into the grid

By Dr. Julia Hildermeier, Christos Kolokathis, Dr. Jan Rosenow, Michael Hogan, Catharina Wiese, and Andreas Jahn

