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

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Dr. Julia Hildermeier
Associate
The Regulatory Assistance Project (RAP)®
Rue de la Science 23
B-1040 Brussels
Belgium
Office: +32 2 789 3011
Mobile: +32 488935814
jhildermeier@raponline.org

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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
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