

12th UIC Sustainability Conference



Energy & CO₂ Expert Network Session, 12th UIC Sustainability Conference Friday, 26th October 2012- 09:35-11:00

Name of the Session:

Railways & Renewables

Renewable Energy use

The railway sector is characterized by the big advantage of having the possibility, in respect to other modes of transport, of quickly shifting from fossil fuels use to renewable energy use in an easy way, without any need of technological investments on engines, infrastructure, etc.... particularly for electric trains.

The share of renewables in the electricity mix used by the railway sector at European Level was 34% in 2009 and it has increased by 9% just in 5 years from 2005 to 2009 (IEA-UIC railway Handbook 2012).

The market of green energy is booming, with an increasing demand for renewable sources-produced electricity.

The issues of "additionality" and "Guarantees of origin" for green electricity procurement are discussed by many stakeholders, such as EU Commission, national governments, environmental NGOs and international bodies (UNEP, EEA).

It is strategic for railway companies to keep their positive and transparent image towards customers and institutions. Unfortunately, the lack of clear guidelines for the railway sector in using "green energy products" could jeopardize this good perception. UIC is thus creating a common table of discussion with main stakeholders to share views and visions.

Key Words: strategies, energy purchasing, procurement/production, accounting principles, zero-energy product

Renewable Energy production

Besides the question of procuring renewable energy, railways have to find answers to stakeholder expectations regarding the production of renewable energy. In the session we want to collect strategies, business cases and examples of producing renewable energy on railway infrastructure, e.g. photovoltaic on station or workshop roofs or wind power alongside the lines.

Key Words: production of own infrastructure, best practices, business cases.

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When?	What?	Who?
09.35 -09.45	Introduction: - Aim of Session, - General Input: Railways & RE	Markus Halder, Veronica Aneris
09.45-10.00	Expectations/questions collecting input from participants on post-its (can be used to be reflected in the session and/or to be dealt with in future UIC work)	Markus Halder, Veronica Aneris
10.00-10.10	Input: Renewable energy use: stakeholder acceptance of different qualities.	Ulrich Ostermayer, DB
10.10-10.20	Input: Developing a renewable energy strategy incl. implementation examples.	Pasacle Heylen, Infrabel
10.20-11.00	Exchange: Structured input by participants - strategy for renewable energy use in your company? Objectives? - strategy, examples for producing renewable energy e.g. on railway infrastructure.	Markus Halder, Veronica Aneris

