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Green Electricity – experience of City of Koprivnica

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City of Koprivnica

- Population cca 31.000
- Covenant of Mayors member since 2010
- SEAP since 2011
- PRIMES project beneficiary

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Previous procurement of electricity

- Procurement subject: conventional electricity
- Award criteria: lowest price
- Users: Municipality building and street lighting
- Type of procurement process: Open public procurement procedure

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Procurement of electricity in 2014

- First GPP in City of Koprivnica
- Procurement subject: Electricity from RES
- Technical specification: min. 20% electricity from RES required
- Award criteria: Most economically advantageous tender (MEAT)
- Joint procurement: municipality building, street lighting, 4 schools, theatre building and cinema building
- Investment: 195.000 EUR

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Award criteria

- Most economically advantageous tender (MEAT)

Total offer points = C + Z

$$100 = 90 + 10$$

- C = Price points
- Z = Green Electricity points

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Award criteria 2

Price points formula

$$C = C_{\min}/C_n \times 90$$

C – price points

C_{min} – the lowest price offer

C_n – compared offer price

Green electricity formula

$$Z = \frac{10}{Z_{\max} - Z_{20}} \times (Z_y - Z_{20})$$

Z = green electricity points

Z_y = % of green electricity in compared offer

Z₂₀ = asked 20% of green electricity

Z_{max} = % from offer with maximum % of green electricity

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Results of GPP

- 3.550 MWh of 100% electricity from RES
- CO₂ savings: 1.333,85 t/year est.
- RES triggered: 305,03 toe/year est.
- 30% lower bills

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Thank you for your attention !

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