



Financing rural infrastructure in Poland

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Poland

Observations – recipient's perspective



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Financial issues

Tax base, Tax reform of 2021

2

Structural issues

Demography, Spatial planning

3

Cooperation schemes

Administrative division vs functional areas

4

Awareness & Know-how

Experiences, regulatory issues



Poland

Observations – sector specific



Energy efficiency

- Low awareness of EE benefits in rural areas
- High awareness of rising energy prices
- ESCO market underdeveloped

Water and sewage

- Growing awareness of the issue in rural areas
- Structural market failures to tackle the issue (population density)



Renewable energy

- Rapidly growing market in Poland (WF, PV)
- Experienced market players (supply & demand side)
- Limited direct benefits for local communities (tax, employment)
- Biomass and biogas to receive grants

Waste

- High awareness of the waste collection costs
- Low awareness of modern waste management

Poland

Case study: Karczew, Mazowieckie



Karczew Commune

- Rural-municipal commune, close to Warsaw
- 15k citizens, suburban city with scattered villages around
- Needs:
 - Public services „at the level of Warsaw”
 - Heat plant transformation from coal to gas
 - Street lighting – plan to take a loan from NFOŚiGW
 - Water & waste water network with FI from NFOŚiGW (capital write-off)
- Implemented one of few actual ESCO projects in Poland



ESCO project

- Thermal modernization (schools & local health facility) – 10 buildings, capex EUR 2.5 m, 14 years
- Project started in 2013
- Selection on the basis of quasi-PPP procedure – awarded to Siemens
- Aimed at energy consumption (heat & electricity) with guaranteed minimum reduction
- Issues according to municipality:
 - achieving expected results for all buildings,
 - legal capacity to negotiate the PPP contract
 - technical expertise to control the private party in delivery



Clustering of municipalities

- Creating critical mass for the project to make it bankable
- Finding a project leader
- Addressing key structural constraints

Addressing debt limitations

- PPP / off balance sheet financing

Supporting development of project pipeline

- Identifying the opportunities for rural communities
- Technical Assistance
- ESCO development

Sectors with stronger case

- Energy Efficiency (public buildings, lighting)
 - Renewable Energy Sources (WF, PV)



Thank you!

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