

Short review of energy efficiency projects in utilities, industry and CHP in Ukraine

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Content

- Energy efficiency and JI projects in different sectors
- Description of cement sector in Ukraine
- Potential of JI projects in cement sector

Energy efficiency and JI projects in different sectors

- Steel sector (4 PDDs, 5 PINs)
- District heating (2 PDDs, 4 PINs)
- Cement sector (1 PDD, 2 PINs)
- CHP (13 PINs)
- Coke production (2 PINs)
- Pulp and paper, food, chemical, oil and gas, thermal power stations, etc.

Description of cement sector in Ukraine

- **12** plants, producing clinker
- Volume of clinker production in 2006 – **10.5 mln. tons**
- Increase of clinker production – **15 %** in 2006
- Price of cement increased **58 %** in 2006
- Only **two** plants use “dry” production process

Possible JI projects in cement sector

- Switch from “wet” to “dry/semidry” production process
- Use of non-carbonated calcium as raw material
- Waste heat recovery
- Increasing the blend in cement
- Using waste (tires, plastic) as a fuel

Barriers for JI projects in cement sector of Ukraine

- Lack of finance for implementation of energy efficiency investments from the side of plant owners
- High cost of energy efficiency investments
- Long term of implementation for energy efficiency projects

Potential of JI projects in cement sector of Ukraine

- If all plants will switch from “wet” to “dry/semidry” process – **6.5 mln. ERUs** (till 2012)
- If all plants will use non-carbonated calcium up to 15 % as raw material – **1.5 mln. ERUs** (till 2012)

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