



February, 2006

EXPERIENCE OF SEC BIOMASS IN PREPARATION OF JI PROJECTS

PROJECTS SUBMITTED TO AUSTRIAN JI/CDM PROGRAMME

1. **“Utilization of sunflower husks for steam and power production at the oil extraction plant OJSC ‘Kirovogradoliya’** (passed both PIN and PDD phases, waiting LoA)

Proposed by oil extraction plant OJSC “Kirovogradoliya”, Kirovograd.

Project Idea: construction of the CHP plant fired sunflower seeds husk at Kirovograd Edible Oil Plant

Total ERUs for 2008-2012: 250,000 t of CO₂e

Total Cost of the Project: 6,7 million EUR

2. **“Heat and Power Production on Stripped Casing-head Gas at Boryslav”** (passed both PIN and PDD phases, waiting LoA)

Proposed by the Scientific-productive company “Eastern European Energetic Union” Ltd., head office is in Kyiv, project implementation site is in Boryslav.

Project Idea: utilization of non-conventional power source – stripped casing-head gas by construction of 12 MW power station.

Total ERUs for 2008-2012: 300,000 tons of CO₂e

Total cost of the project: 9,000,000 EUR

3. **“Rehabilitation of the District Heating System of Crimea” project proposed by Leasing Enterprise “Krymteplocomunenergo”** (passed both PIN and PDD phases, waiting LoA)

Project Idea: Reconstruction and modernization of existing DH system.

Project Partner: Institute of Engineering Ecology, Kyiv, Ukraine

Total ERUs for 2008-2012: 600,000 tons of CO₂e

Total cost of the project: 13,600,000 EUR

4. **PIN for JI Project “Landfill gas capture and utilization at Dnipropetrovs’k MSW landfill, Ukraine”**, in cooperation with EVA. Waiting for LoE from Ukrainian Government.

5. **PIN for JI Project “Landfill methane capture and utilization at Kremenchuk landfill, Ukraine”** in cooperation with EVA. Waiting for LoE from Ukrainian Government.

6. **PIN for JI project “Coal mine methane capture and utilization at Bazhanov mine, Donetsk Oblast”**. Prepared for National Joint Stock Company “Coal of Ukraine”. Waiting for LoE from Ukrainian Government.

7. **PIN for JI project “Coal mine methane capture and utilization at Krasnolimanskaya mine, Donetsk Region”**. Prepared for National Joint Stock Company “Coal of Ukraine”. Waiting for LoE from Ukrainian Government.

8. **PIN for JI project “Coal mine methane capture and utilization at Kirov mine, Donetsk Oblast”**. Prepared for National Joint Stock Company “Coal of Ukraine”. Waiting for LoE from Ukrainian Government.

PROJECTS SUBMITTED TO SENTERNOVEM, THE NETHERLANDS:

9. **“District Heating System Rehabilitation of Chernigiv Region”** (ERUPT-4, passed both PIN and PDD phases, waiting LoA)

Submitted by OJSC “Oblteplocmunenergo”, Chernigiv.

Project Partner: Institute of Engineering Ecology, Kyiv, Ukraine

Project Idea: Reconstruction and modernization of existing DH system.

Fuel economy: over 33,000,000 m³/year of natural gas

Total ERUs for 2008-2012: 275,000 tons of CO₂e

Total cost of the project: 8,446,000 EUR

10. **“Methane Capture at the Odessa Municipal Solid Waste Landfill”** (ERUPT-5, passed both PIN and PDD phases, refused).

Submitted by the RAF-PLUS Ltd., Odessa.

Project Idea: Installation of landfill gas extraction system at Odessa MSW landfill that will capture methane and replace natural gas at Cement factory kilns.

Total ERUs for 2008-2012: 320,000 t of CO₂e

Total Cost of the Project: 1.1 million EUR

EXPERIENCE WITH JAPAN JI PROGRAM.

11. **Feasibility study for Lugansk landfill gas project.** In cooperation with Shimizu Corporation. Waiting LoE of Ukrainian Government.

12. **Feasibility study for Surgut landfill gas project, Russia.** In cooperation with Shikoku Electric Power Co., Inc. (YONDEN). Waiting LoE of Russian Government.

13. **Feasibility study for Slavutich wood fired DH project.** In cooperation with Sumitomo Corporation. Waiting LoE of Ukrainian Government.

14. **Identification of 10 new JI projects for Japan JI program.** In cooperation with Shimizu Corporation.

15. **Feasibility study of Holodna Balka Coal Mine Gas Project,** in cooperation with Shimizu Corporation, Japan.

16. **Feasibility study of Poltava Landfill Gas Utilization Project** in cooperation with Shimizu Corporation, Japan.

17. **Feasibility study of Methane Gas Utilization Project at Bortnichi Waste Water Treatment Plant in Kiev** in cooperation with Shimizu Corporation, Japan.

18. **PIN for JI Project “Improvement of degassing system and utilization of Coal Mine methane for heat and power production at Tchaikino Mine, Ukraine”**, in cooperation with Shimizu Corporation, Japan.

19. **PIN for JI Project “- Improvement of wastewater treatment system and biogas utilization for heat and power production at Kharkov WWTP, Kharkov, Ukraine”**, in cooperation with Shimizu Corporation, Japan.

20. **PIN for JI Project “- Improvement of wastewater treatment system and biogas utilization for heat and power production at Lugansk WWTP, Lugansk, Ukraine”**, in cooperation with Shimizu Corporation, Japan.

21. **PIN for JI Project “Implementation of heat (steam) production with using of biomass waste burning steam boiler at “Uniplit”, Ivano-Frankivsk region, Ukraine”**, in cooperation with Shimizu Corporation, Japan.

22. **PIN for JI Project “Landfill gas collection and utilization for heat (power) production in Belaya Therkov' landfill, Ukraine”**, in cooperation with Shimizu Corporation, Japan.

EXPERIENCE WITH GERMAN JI/CDM PROGRAM/ KFW BANK

23. **Feasibility study of renewable energy projects in Ukraine.** As subcontractor of MVV Consulting GmbH and Decon - Energie Consult Ingenieuresellschaft.

24. **Identification of 10 new JI projects on landfill gas collection and utilization.** As subcontractor of Decon - Energie Consult Ingenieuresellschaft.

25. **Development of portfolio from 10 JI projects for German JI program**, in cooperation with German Energy Agency, DENA.

SECB is able and interested to cooperate on identification and development of JI-projects in Ukraine (PINs, PDDs, business plan etc.).

Best regards,

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