



The Program "Sustainable Development of Model Communities on a Municipal Level in Russia"

Project Complex "Sustainable Socio-Economic Development of Kemerovsky Raion Municipality through the Introduction of Effective Resource-Saving Techniques"

Grant amount \$67,474 Total cost of project complex \$179,775 Grantee contribution \$112,028

Kemerovsky Raion



Population: 39,400



The projects were awarded one gold and four silver medals and five special awards of the Sixth Moscow International Innovation and Investment Show in the nomination "City: Innovative Solutions"



The new boiler is twice as efficient as its analogues

Problems of the Municipality Addressed by the Project Complex:

- Ineffective heat supply of municipal organizations and the housing sector.
- Environmental pollution by liquid industrial waste, coal dust generated during coal processing, and spent automobile oil.
 - Depleted soil fertility at industrial areas and the lack of reclamation facilities.
- Decline in human health.

Projects Implemented in 2005-2006:

1. Introduction of Effective Low-Cost Techniques For Reducing Losses and Heat Energy Consumption at Municipal Facilities
2. Introduction of a Tested Technique for Treating Slime Water With the Aim of Considerably Reducing the Generation of Coal Conversion Waste
3. Introduction of a Technique Of Biological Reclamation of Mining Waste
4. Manufacture of Tested Food Products Specially Intended for Eliminating Alimentary Diseases Among The Population of Kemerovsky District

Key Project Results Promoting Community Development:

- Heat and power consumption audits were carried out in the community; new KVK-80 heating boilers with a 40% higher efficiency and a 40% lower coal consumption than their analogues were installed in Starochervovo Village and Novostroika Settlement; bellows-type gas controllers were installed in 250 houses in Yasnogorsky Settlement.
- A 20%-30% reduction of cataract consumption and a 40% reduction of coal losses with flotation tailings were achieved at the Anzherskaya Dressing Mill after the utilization of a slime water treatment technique.
- Land reclamation was carried out on an area of 30 hectares where model sites demonstrating a range of biological land restoration methods were organized; the applied technology allowed to increase the survival rate of seedlings by 1.6 times.
- Syrups fortified with iron and iodine have been introduced into the catering systems of local schools and child care centers; 5 local enterprises began to put out therapeutic food products (including new ones); and the project was integrated into the Governor of Kemerovo Food for Health Program.
- Project results received awards at 4 conferences and at the Sixth International Innovation and Investment Show and at international exhibition.
- A Municipal Small Business Support Fund was created in Kemerovsky Raion and a mechanism for reinvesting energy savings was put in place.
- Direct economies due to innovations have reached \$167,000; and the expected economic effect equals to \$1,848,000.



Program Management:

www.fund-sd.ru; www.iscmoscow.ru tel: 748-0552, fax: 748-0553

