NDEP environmental projects

COMPLETED

	Loan million €	Grant million €	Total million €
St Petersburg SW Wastewater Treatment Plant – NIB	96.6	5.8	193.6
St Petersburg Flood Protection Barrier – EBRD	277.5	1	2000
St Petersburg Northern Incinerator – EBRD	58.2	6.35	90.4
Wastewater Treatment in Leningrad Oblast – NIB	5.25	4	23.2
Komi Syktyvkar Water and Wastewater – EBRD	15	6.04	30.2
Vologda Water and Wastewater – EBRD	10.6	5.18	20.05
Novgorod Water and Wastewater – NIB	4	3	23
Sosnovy Bor Water and Wastewater – NEFCO	0.75	0.5	3.3

UNDER PREPARATION

	Loan million €	Grant million €	Total million €
Murmansk Water and Wastewater – EBRD	15.4	6	30.1
Petrozavodsk Solid Waste – NEFCO	3	1.5	6.5
Kirishi District Heating Rehabilitation – EBRD	10	2.5	15.7
Vyborg Water and Wastewater – NEFCO	2.5	1.25	6.55
Lomonosov District Heating Rehabilitation – EBRD	10	2.5	15.16
St Petersburg Solid Waste Management – KfW	12	3.7	18.4
Kaliningrad District Heating Rehabilitation, Phase 2 – EBRD	10	5	22

UNDER IMPLEMENTATION

	Loan million €	Grant million €	Total million €
Neva Wastewater Collector Programme – NIB	60	24	563
Kaliningrad Water and Wastewater Treatment – EBRD	23.5	10	110
Kaliningrad District Heating Rehabilitation, Phase 1 – EBRD	12	7.3	21.8
Archangelsk Water and Wastewater – EBRD	10	8.2	25.5
St Petersburg 10 Suburban Wastewater Plants – NEFCO	5	3.75	16
Pskov Water and Wastewater – EBRD	13	6.5	27.4
PIU for Poultry Farms in Leningrad Oblast – NEFCO	–	2	3.5
Vologda District Heating Rehabiliation – EBRD	11.7	2	17.8
Petrozavodsk Water and Wastewater – NEFCO	11	5	32
Gatchina Wastewater – NEFCO	0.78	0.39	2.52
Vitebsk Water and Wastewater (Belarus) – EBRD	12.5	2	21.2
Grodno Water and Wastewater (Belarus) – NIB	11	2	25.1
Brest Water and Wastewater (Belarus) – NIB	10	2	18.4

NDEP Support Fund in 2014

Environmental		Nuclear
€44m	European Union	€40m
€60m	Russia	
	France	€40m
	Canada	€20m
€16m	Germany	€10m
€26.2m	Sweden	
€19m	Finland	€2m
	UK	€25.2m
€10m	Denmark	€1m
€4.4m	Norway	€17.9m
	Netherlands	€10m
	Belgium	€0.5m
€1m	Belarus	
€180.6m		€166.6m
€347.2		

About NDEP

The concept of NDEP was developed by the European Union and Russia during the Finnish and Swedish Presidencies of the EU and the Partnership was set up in 2001.

The NDEP Support Fund, managed by the EBRD, pools funds from donor governments and the EU (see table), which are used as grants for priority environmental and nuclear safety projects in the Northern Dimension Area.

For environmental projects NDEP grants are used to leverage IFI loans from the EBRD, EIB, NEFCO, NIB and KfW. This financing structure is complemented by national funds and additional bilateral grants.

NDEP works closely with the Northern Dimension Policy, EU Strategy for the Baltic Sea, HELCOM and with the Barents Euro-Arctic Council and other regional organisations.

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European Bank for Reconstruction and Development · European Investment Bank · KfW · NIB Nordic Investment Bank · NEFCO · World Bank

Photos courtesy of EBRD, NIB, NEFCO, St Petersburg Vodokanal

Northern Dimension Environmental Partnership

Экологическое Партнерство Северного Измерения

Successful project financing in the Baltic and Barents Seas region

- Water and wastewater treatment
- Energy efficiency and district heating upgrade
- Municipal and agricultural solid waste management
- Nuclear safety

"Over the past 12 years the NDEP has proved to be a successful mechanism for implementing concrete investment projects to fulfil the objectives of the Northern Dimension policy and to reach HELCOM environmental targets."

Conclusions of the 4th Senior Officials meeting of the Renewed Northern Dimension. Oslo, 8 April 2014

www.eeas.europa.eu/north_dim/

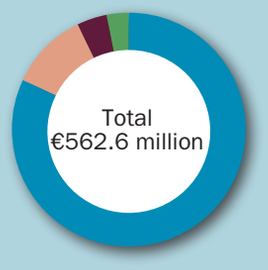
NDEP project focus

Baltic Sea region

Wastewater Treatment in St Petersburg

NDEP grants of around €40 million combined with loans from the EBRD, EIB, NEFCO and NIB for a total of €220 million have helped to leverage major investments worth over €863 million to upgrade wastewater treatment in St Petersburg. Additional grant support came from Sweden, Finland and the EU. The largest investment is the Neva Programme which benefits from significant national funds. The Northern Tunnel Collector completed in 2013 was a major milestone towards compliance with the HELCOM standards and the objectives of the EU Baltic Sea Strategy.

St Petersburg Neva Programme

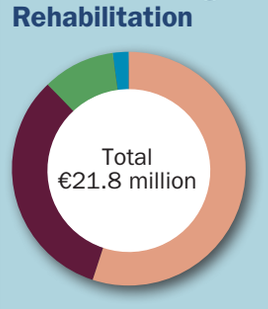


- NDEP Grant: 4%
- IFI loans: 11%
- Russian funds: 82%
- Other grants: 3%

Energy Efficiency in Kaliningrad

With additional financial contributions from Russia, EU and Norway, the International Financial Institutions have launched several energy efficiency projects within the NDEP framework. The most advanced is the rehabilitation of the district heating network in Kaliningrad which will help to save energy, reduce CO_2 emissions and provide a reliable heat supply for the population. Thanks to NDEP grants and the EBRD loan funds, the district heating company has closed down most of its coal fired boiler houses and is improving the demand side measures to reduce gas consumption.

Kaliningrad District Heating Rehabilitation

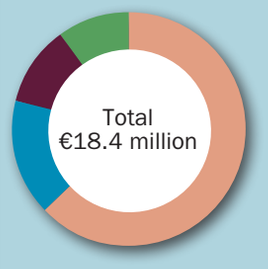


- NDEP Grant: 33%
- IFI loans: 55%
- Russian funds: 2%
- Other grants: 10%

First wastewater treatment projects in Belarus

NDEP grants of €6 million were signed in 2013 in Minsk to upgrade wastewater treatment plants in Vitebsk, Grodno and Brest. Grants from NDEP, Sweden and Finland provide crucial support for the EBRD and NIB loans. The objective is to achieve compliance with HELCOM standards and to reduce cross-border pollution. Almost half of the territory of Belarus lies in the Baltic Sea basin area and its trans-boundary rivers flow through Poland, Lithuania and Latvia. It is expected that similar investments will follow for other cities in Belarus.

Brest Wastewater Treatment Rehabilitation



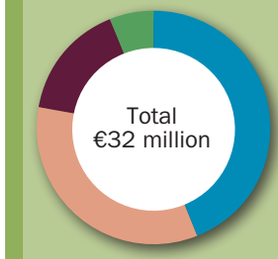
- NDEP Grant: 11%
- IFI loans: 63%
- Belarusian funds: 16%
- Other grants: 10%

Barents Sea region

Petrozavodsk – cleaner water in Karelia

There are 42 acute environmental hot spots in the Barents Sea region which have a detrimental impact on the health of the local population. Petrozavodsk has received a €5 million NDEP grant, grants from Finland and Sweden and loans from the NIB and NEFCO to upgrade its infrastructure for water and wastewater treatment and will soon cease to be a hot spot. NDEP is working with the Barents Euro-Arctic Council on other potential investments. Murmansk, Archangelsk and a large number of small cities in the region require urgent actions to improve wastewater treatment.

Petrozavodsk Water and Wastewater

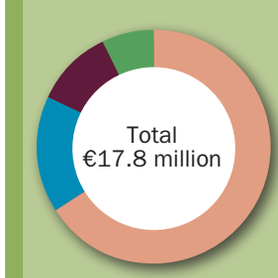


- NDEP Grant: 16%
- IFI loans: 34%
- Russian funds: 44%
- Other grants: 6%

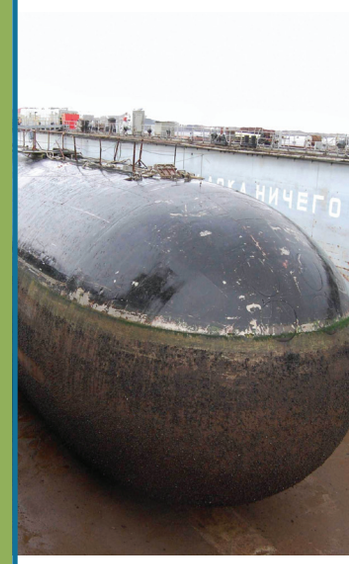
Vologda – better heat supply and management

With NDEP grants of €5.2 million, Vologda successfully upgraded its wastewater treatment in 2012. The city is now modernizing its district heating facilities utilizing a loan from the EBRD loan and grant funds. The NDEP grant of €2 million is co-financing the demand side measures to improve heat control in residential buildings. Most of the air pollution in the Barents region comes from inefficient coal-fired boiler houses – 80 per cent of which were built between 1950s and the 1980s. This is also a major source of black carbon pollution which affects the ice cover in the Arctic region.

Vologda District Heating Rehabilitation



- NDEP Grant: 11%
- IFI loans: 66%
- Russian funds: 16%
- Other grants: 7%



NDEP nuclear safety projects in the Barents Sea region

The NDEP nuclear window projects are entirely grant funded and currently focus on three areas of operation. The largest grant of €53 million is supporting the transportation and decommissioning of the Lepse ship which contains complex spent nuclear fuel (SNF). Lepse was successfully towed away from Murmansk to Nerpa shipyard in 2012 which has significantly reduced the risks to the local population. In Andreeva Bay (Kola Peninsula), NDEP is financing safe storage and transportation of SNF. This area contains by far the largest number of SNF assemblies (approximately 22,000) – a legacy of the Russian nuclear submarines now mostly decommissioned. In Severodvinsk, the grants are used to pay for the defueling of the Papa-class submarine reactors. The EBRD works in close cooperation with Rosatom and most of the funds have been fully committed. The NDEP nuclear safety projects are supported by the Russian budget funds and grants from other bilateral donors.