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PUBLIC

## **EBRD's Green Economic Transition approach**



## **40%**

2020 target for the share of green finance in EBRD annual business, from a current level of 30%

# €4 billion

Target annual EBRD green business by 2020

# **€18** billion

Target cumulative EBRD green business 2016-2020



# Roles of carbon pricing in EBRD's project developments and investment appraisal



Situation	Example	Potential carbon price information sources
Regulation (e.g. ETS, tax or implicit like feed-in tariffs): Carbon price scenarios to be taken into account in the feasibility study and sensitivity analysis	Energy efficiency investment in an industrial installation under the EU ETS e or K-ETS	<ul> <li>Published (historic) carbon pricing from exchanges</li> <li>Reviews by carbon market analysts</li> <li>Market models</li> <li>Analysis of anticipated regulatory changes (e.g. ETS reform)</li> </ul>
Carbon price can be expected due to anticipated regulations.	Energy efficiency investment in the power sector in a Partnership for Market Readiness (PMR) country considering an emissions trading scheme.	<ul> <li>Market models / abatement cost curve analysis</li> <li>Policy mapping and review</li> </ul>
Application of policy to <b>recognise</b> carbon and other pollutant externalities (if no carbon pricing is available, or such pricing is perceived to be distorted)	Using a shadow price for carbon emissions in the cost / benefit analysis e.g. through levelised cost of energy (LCOE).	<ul> <li>Social cost of carbon / shadow price studies</li> <li>Comparison with peers and studies</li> </ul>
Design of a <b>donor grant co-funding</b> project sponsoring the uptake of low carbon technologies, whilst ensuring effectiveness	Financing instrument in Slovakia where level of grant co-finance is calibrated on the basis of the anticipated emission reductions times a crediting period times an pre-agreed cost of carbon.	<ul> <li>Social cost of carbon studies</li> <li>Anticipated carbon price development (if applicable)</li> <li>Investment barrier analysis</li> </ul>

## Example of Project Design informed by Shadow Carbon Price (MCCF – GIS SLOVSEFF)



Carbon reduction compensation = CO<sub>2</sub>e emissions avoided per year (in tonnes) \* €20/tCO2 \* 3 years \* 0.943

(minimum 5% of disbursed loan, maximum 20% of disbursed loan)

(\*) rounded figure corresponding to a discount rate of 3% over 3 years Projects covered by the EU ETS may also be eligible to receive a CRC provided that an equivalent amount of EU allowances (EUAs) is cancelled at the benchmark market price in respect of which the CRC is paid, to avoid double-counting of emission reductions.

The CRC calculation for ETS covered may be different.

### www.slovseff.eu



SlovSEFF rewards reducing emissions Notes: A need for increasing information levels and application of common standards, in order to make carbon pricing effective.



The assessment of GHG emissions / reductions is subject to definitions as to project boundaries, calculation methodologies and information quality (production, technology)

The carbon price scenario to be used, ETS or tax regulated situations or shadow pricing, is a matter of educated judgement.

Capacity building needed with project sponsors and investors (banks)



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