

Key findings from UNDP's Derisking Renewable Energy Investment report

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Promoting renewable energy: The impact of high financing costs





Source: UNDP, Derisking Renewable Energy Investment (2013). See Annex A of the report for full assumptions.

All assumptions (technology costs, capital structure etc.) except for financing costs are kept constant between the developed and developing country. Operating costs appear as a lower contribution to LCOE in developing countries due to discounting effects from higher financing costs.

Public instrument packages: (i) reducing, (ii) transfering and (iii) compensating for risk





Case-studies (onshore wind): Financing cost waterfalls











Source: UNDP, *Derisking Renewable Energy Investment (2013).* Data obtained from interviews with wind investors and developers. See Annex A of the report for full assumptions. The post-derisking cost of debt and equity show the average impacts over a 20 year modelling period, assuming linear timing effects.

Case-study South Africa (8.4 GW, wind): Risk waterfalls



Source: UNDP, Derisking Renewable Energy Investment (2013). Data obtained from interviews with wind investors and developers. See Annex A of the report for full assumptions. The post-derisking cost of debt and equity show the average impacts over a 20 year modelling period, assuming linear timing effects.

Case-study South Africa (8.4 GW, wind): Modelling results











- Given renewable energy's sensitivity to financing costs, derisking is a key opportunity for policymakers to attract private sector investment
- Investing in derisking appears to be cost effective when measured against paying direct financial incentives, such as a FiT premium
- The best outcomes occur when policymakers address the risks to renewable energy investment in a systematic and integrated way
- Opportunity to combine risk reduction *and* risk transfer in key risk areas
 - *Power market risk:* implement well-designed, high quality policy and policy risk insurance
 - Counterparty risk: best practice operations, cost recovery and loan guarantees/partial risk guarantees



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