

Donor country Canada			
Project/programme title Transferring Small Hydro Technologies to China Project			
Purpose To demonstrate the effectiveness of Canadian small hydropower technologies in providing and enhancing small hydropower as a viable alternative to other energy sources in China.			
Recipient country China	Sector Energy (small hydro)	Total funding \$2 Million	Years in operation 2002-06
Description <p>The "Transferring Small Hydro Technologies to China" project was a collaborative public-private project, including 5 Canadian industry partners and one international organization.</p> <p>Natural Resources Canada worked bilaterally with China's Ministry of Water Resources. The project demonstrated the effectiveness of Canadian technologies in providing and enhancing small hydro power as a viable alternative to other energy sources in China, such as coal. This project focused on introducing Canadian technologies into rural Chinese small hydro plants to demonstrate effectiveness, efficiency gains and economic returns. In turn, this enhanced viability results in an increased and more stable supply of clean electricity to communities to drive sustainable economic development.</p>			
Indicate factors that led to project's success <p>Funding provided under Canada's Climate Change Development Fund (CIDA).</p> <ul style="list-style-type: none"> ▪ Cooperative science and technology exchange relations between Canada and China, as illustrated through a Memorandum of Understanding signed between Natural Resources Canada and China's Ministry of Water Resources in 2005. 			
Technology transferred <p>Technologies transferred include small hydro automation, river basin optimization systems, enhanced turbine design, and mini and micro hydro systems. Capacity building complimented the technical work.</p>			
Impact on greenhouse gas emissions/sinks			