

Name of project	Hoa Binh
River	Song Da
Province	Hoa Binh
Country	Viet Nam
Project owner	Electricity of Viet Nam
Total project cost (USD)	1.5 billion ¹ (Hirsch et al, 1992)
Installed capacity (MW)	1920
Estimated annual output (kWh)	8.4 billion (Hoa, 2001)
Project status	Completed in 1994 (begun in 1979)
Resettlement status	Relocation was supposed to have occurred between 1982 and 1994. However, in April 1995, Hoa Binh officials reported that only 16,000 people had "settled down comfortably." (TERRA, 1996)
Total resettlement budget (USD)	8.57 million ² (Houghton, 1996 in Hoa, 2001)
Total people resettled	58,000 (Hirsch et al, 1992)
Total households resettled	9,305 (Hirsch et al, 1992)
Average cost of resettlement per resettled person (USD)	152.24
Average cost of resettlement per resettled household (USD)	922.6
Direct compensation per resettled household (average) (USD)	14.35 ³ (Hirsch et al, 1992)
Government departments responsible for resettlement	A provincial level managing Board including: Ministry of Forestry, Ministry of Agriculture, Ministry of Irrigation, Ministry of Energy and Provincial authorities. (Hoa, 2001)
Notes	<p>1. VND 18 trillion, at 1996 exchange rate.</p> <p>2. VND 95.5 billion, at 1996 exchange rate. Continued investment is being made to mitigate negative impacts, including a budget of VND540 billion (US\$36 million) to solve remaining problems in the period from 2001 to 2006.(Hoa, 2001)</p> <p>3. VND 160,000, at 1996 exchange rate. Hirsch et al (1992) report that in Hien Luong compensation delivered to families was about VND 160,000 each. However, this compensation was not universally distributed; some families who moved earlier did not receive it. The actual cost of relocation per family was closer to VND 1 million. Furthermore, compensation was not accessible immediately to most families, but banked as savings while inflation was high. Direct compensation therefore fell in value as a result of currency reform and devaluation. In 1983, the VND 160,000 would have been worth US\$125,000; in 1985, US\$7111.11. By 1996, as noted above, it was worth less than \$15.</p>
Sources	<p>Cao Thi Thu Yen. 2003. "Towards sustainability of Vietnam's Large Dams: Resettlement in Hydropower Projects." Master of Science Thesis, Royal Institute of Technology, Sweden.</p> <p>Ban cong tac song Da tinh Son La (Board of management of Da river project.) 1998. "Bao cao tong ket cong tac den bu va di dan giai phong long ho thuy dien Hoa Binh." ("Report on the resettlement and compensation process in the Hoa Binh reservoir area, Son La province.")</p> <p>Hirsch, P. et al. 1992. "Social and Environmental Implications of Resource Development in Vietnam: The Case of Hoa Binh Reservoir." RIAP Occasional Paper no. 17, University of Sydney, Australia.</p> <p>Hoa, Nguyen Thi Le. 2001. "Displacement, resettlement and livelihood restoration: the Hoa Binh Dam, Vietnam - 20 years later." Masters Thesis, Agricultural University of Norway.</p> <p>Houghton, Georgina. 1996. "Vietnam's Hoa Binh dam: Counting the costs." Watershed Magazine. Volume 2, Number 1. July - Oct 1996. p. 20 - 37</p> <p>TERRA (Towards Ecological Recovery and Regional Alliance). December 1996. "Hydropower Projects in Vietnam." Bangkok.</p>