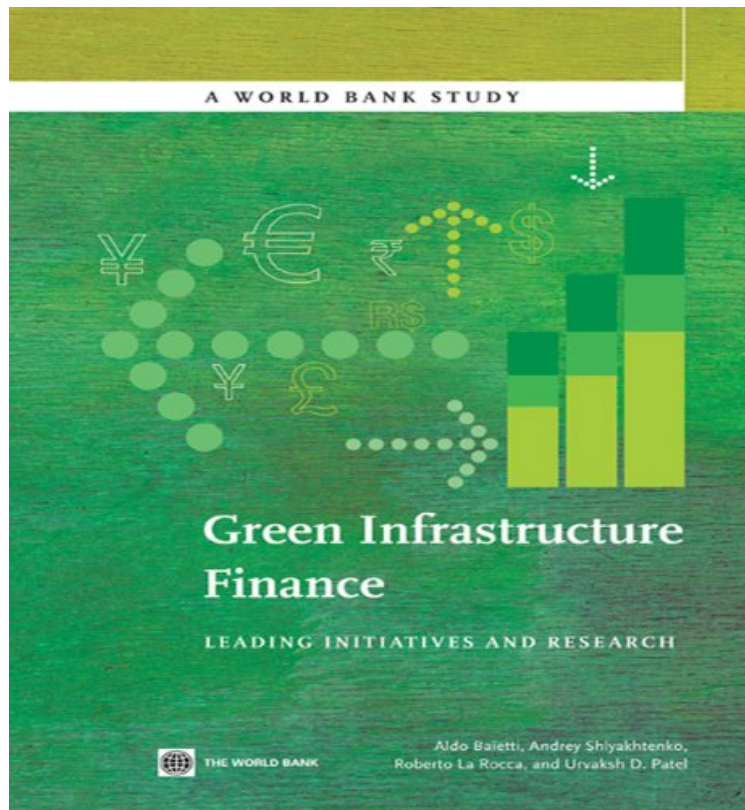


Green Infrastructure Finance (World Bank Studies)

Aldo Baietti, Andrey Shlyakhtenko, Roberto La Rocca, Urvaksh D. Patel
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Aldo Baietti, Andrey Shlyakhtenko, Roberto La Rocca, Urvaksh D. Patel : Green Infrastructure Finance (World Bank Studies) before purchasing it in order to gauge whether or not it would be worth my time, and all praised Green Infrastructure Finance (World Bank Studies):

Increasing concerns over the effects of climate change have heightened the importance of accelerating investments in green growth. The International Energy Agency, for example, estimates that to reduce carbon dioxide emissions by 50 percent by 2050, global investments in the energy sector alone will need to total US\$750 billion a year by 2030 and over US\$1.6 trillion a year from 2030-2050. Despite global efforts to mobilize required capital flows, the investments still fall far short. Bloomberg New Energy Finance argues that by 2020 investments will be US\$150 billion short from the levels required simply to stabilize CO₂ emissions. For the East Asia and Pacific region alone, the World Bank study *Winds of Change* suggests that additional investments of US\$80 billion a year over the next two decades are required. Multiple factors affect green investments, often rendering them financially not attractive. Private investment flows, therefore, depend on public sectors interventions and support. As in many countries public sector resources are scarce and spread across many competing commitments, they need to be used judiciously and strategically to leverage sufficient private flows. Many governments, however, still lack a clear comprehensive framework for assessing green

investment climate and formulating an efficient mix of measures to accelerate green investments and are unfamiliar with international funding sources that can be tapped. To address this challenge, the World Bank, with support from AusAID, conducts the work on improving the financing opportunities for green infrastructure investments among its client countries. This activity attempts to identify practical ways to value and monetize environmental externalities of investments and improve the promotion and bankability of green projects. This research report, as a key step in this activity, provides a structured compendium of ongoing leading initiatives and activities designed to accelerate private investment flows in green growth. It summarizes current investment challenges of green projects as well as proposed solutions, financing schemes and instruments, and initiatives that have set the stage for promoting green growth. The results of this work are intended to benefit the international community and policymakers who are seeking to deepen their knowledge of green investment environment. In addition, it is hoped that this work will be useful to practitioners, including fund managers and investors, seeking to have a better understanding of current trends, global initiatives, and available funding sources and mechanisms for financing green projects.