Powering China’s Growth
Electricity Market Projections and Global Implications

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EIA Conference
Washington, DC
April 27, 2011
China Has Commendable Clean Energy Ambitions
Projected Capacity Additions 2010-2020

Source: US-BAU is AEO 2011. US-C&T is a generic economy-wide cap-and-trade program with banking and borrowing, international offsets and emissions reduction targets of 17% below 2005 levels in 2020 and 83% in 2050.
...But Coal Continues to be King
Coal-fired power capacity 2008 and 2020

China’s Coal Demand Spills Into Global Markets

Annual trade balance, mn tons (LHS) and as share of demand (RHS)

Source: CEIC, EuroStat, USITC, ABARE, Badan Pusat Statistik, RHG Estimates
...And Shapes Energy Prices in the US

US price index, 2004=100

Source: EIA, USITC, RHG Estimates
China’s Long-Term Decarbonization Challenges
IEA’s projected power generation capacity with currently announced policies

Source: IEA and RHG Estimates
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