Key Drivers Affecting the Outlook for Renewables

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In 2012, U.S. electricity generation was 69% fossil fuels, 19% nuclear, and 12% renewables



Source: EIA, Electric Power Monthly, January 2013



Renewable energy is projected to grow far more robustly than other types of energy

Average annual growth rates percent per year



Source: EIA, Annual Energy Outlook 2013 Early Release, International Energy Outlook 2011



Spot natural gas prices vary significantly across global markets since 2008, with many markets far below oil-related benchmarks

Global spot natural gas, crude oil, and LNG prices

U.S. dollars per million British thermal unit



Source: Derived from Bloomberg, L.P.



The average delivered price of coal to electricity generators varies widely across U.S. regions – transport costs are a key reason

2011 Delivered coal prices, \$ per million Btu



Source: EIA, Annual Energy Outlook 2013 Early Release



Growth in electricity use slows, but still increases by 28% from 2012 to 2040



Source: EIA, Annual Energy Outlook 2013 Early Release



The fuel mix for electricity generation varies widely across U.S. regions (2011)



Source: EIA, Annual Energy Outlook 2013 Early Release, based on Form EIA-923



The U.S. electricity mix in EIA's reference case gradually shifts to lower-carbon options, led by growth in gas and renewable generation

U.S. electricity net generation trillion kilowatthours



Source: EIA, Annual Energy Outlook 2013 Early Release



For more information

U.S. Energy Information Administration home page | www.eia.gov Annual Energy Outlook | www.eia.gov/forecasts/aeo Short-Term Energy Outlook | www.eia.gov/forecasts/steo International Energy Outlook | www.eia.gov/forecasts/ieo Today In Energy | www.eia.gov/todayinenergy Monthly Energy Review | www.eia.gov/totalenergy/data/monthly Annual Energy Review | www.eia.gov/totalenergy/data/annual



U.S. energy use grows slowly over projection reflecting improving energy efficiency and a slow and extended economic recovery





Source: EIA, Annual Energy Outlook 2013 Early Release

