

Report To House Energy and Utilities Committee Westar Energy's Plan to Meet Kansas RES Requirements

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January 23, 2012

Westar Energy has been active incorporating renewable energy into our generation portfolio. We installed the first two commercial wind turbines at Jeffrey Energy Center in 1999. By the end of 2012, we will have approximately 670 MW of installed renewable energy capacity, primarily wind.

Our Central Plains wind farm near Leoti is owned by Westar. The Flat Ridge wind farm east of Medicine Lodge is 50% owned by Westar, with the other 50% of the energy provided through a Purchased Power Agreement (PPA). Southeast of Concordia is the Meridian Way wind farm from which we purchase 100% of the energy through a PPA. We also purchase a small amount of renewable energy through a PPA with the Rolling Meadows landfill gas project, north of Topeka.

By 2016, we estimate we will need 770 MW of renewable energy capacity on our system. In 2020, the need is estimated to be 1,070 MW of renewable capacity to meet the state's Renewable Energy Standard (RES).

Following is a table of the annual estimated renewable capacity on our system through 2021 and its associated average rate impact. The assumption is the Production Tax Credit (PTC) for wind generation expires Dec. 31, 2012, and is not renewed in the future. Currently, the PTC is 2.2 cents/kwh.

	Total Capacity, MW	Annual Projected Production, MWh	Average Annual Impact	Comments
2011	295	898,400	\$ 13.58	Original wind farms
2012	664	1,279,300	\$ 16.36	Added wind farms, Q4
2016	789	2,668,600	\$ 27.60	Add 125 MW, Q3
2017	789	2,915,000	\$ 31.75	
2020	1089	3,506,250	\$ 39.94	Add 300 MW, Q3
2021	1089	4,097,500	\$ 49.73	