

**Table 4.5.B. Proposed Transmission Capacity Additions by High-Voltage Size, 2011-2017**  
(Circuit Miles of Transmission)

Type	Voltage Operating (kV)	Circuit Miles							All Years
		2011	2012	2013	2014	2015	2016	2017	
AC	100-199	1,164	1,749	932	738	466	368	214	5,630
AC	200-299	1,007	1,091	708	822	895	241	157	4,922
AC	300-399	555	1,336	4,934	1,234	699	476	1,156	10,390
AC	400-599	116	695	633	782	2,802	1,438	440	6,906
AC	600+	-	-	-	-	275	-	-	275
<b>AC Total</b>		<b>2,841</b>	<b>4,871</b>	<b>7,208</b>	<b>3,577</b>	<b>5,137</b>	<b>2,524</b>	<b>1,967</b>	<b>28,124</b>
DC	100-199	-	-	-	-	-	-	-	-
DC	200-299	-	-	-	-	-	-	-	-
DC	300-399	-	-	-	-	140	-	-	140
DC	400-599	-	-	-	-	60	640	-	700
DC	600+	-	-	-	-	142	-	-	142
<b>DC Total</b>		<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>342</b>	<b>640</b>	<b>-</b>	<b>982</b>
<b>Grand Total</b>		<b>2,841</b>	<b>4,871</b>	<b>7,208</b>	<b>3,577</b>	<b>5,479</b>	<b>3,164</b>	<b>1,967</b>	<b>29,106</b>
<b>Lines taken out of service</b>		<b>99</b>	<b>180</b>	<b>21</b>	<b>121</b>	<b>33</b>	<b>134</b>	<b>-</b>	<b>587</b>

Notes: • NERC region and reliability assessment area maps are provided on EIA's Electricity Reliability web page:

<http://www.eia.gov/cneaf/electricity/page/eia411/eia411.html>

- Circuit miles do not equal physical miles on the ground; the reference terminology for that concept is structural mile.
- Some structures were designed and then built to carry future transmission circuits in order to handle expected growth in new capability requirements.
- Lines are taken out of service for a variety of reasons including intentional changes to the right-of-way to better use available land for different levels of voltage and types of poles and towers.

Source: U.S. Energy Information Administration, Form EIA-411, "Coordinated Bulk Power Supply Program Report."