

Renewable Energy & Jobs Impacts via MISO’s New Portfolio of Regional Transmission Lines

MISO’s new [portfolio](#) of regional transmission line projects is the biggest of its kind in the U.S., providing \$37 billion in financial benefits over 20 years on \$10.4 billion in investment.¹ MISO says it designed these projects to reliably integrate most of the new generation it sees being added by utilities in MISO North via its “Future 1” scenario planning. For renewables, based on data from MISO² and calculations using the multipliers sourced in the table below, this includes about 53 gigawatts of capacity from new wind, solar, hybrid and battery storage projects – enough to power about 12 million homes and 213,000 jobs. About 120,000 jobs can also be estimated to result from the transmission work³, so we can expect about 333,000 jobs total from the transmission work and renewable resource construction together.

MISO Future 1 Renewable Energy Additions						
		Wind	Solar	Hybrid	Battery	Total
ND, MN & Western WI	Megawatts	5,734	6,225	1,547	36	13,542
	Jobs	30,046	20,542	5,106	360	56,054
	Homes	1,743,147	1,182,692	293,991		3,219,830
Eastern WI & Michigan UP	Megawatts	846	2,304	422	30	3,602
	Jobs	4,434	7,603	1,392	300	13,729
	Homes	257,230	437,769	80,145		775,144
Iowa	Megawatts	4,783	2,522	838	15	8,158
	Jobs	25,060	8,324	2,766	150	36,300
	Homes	1,453,889	479,243	159,242		2,092,373
Illinois	Megawatts	2,979	2,871	1,971	15	7,835
	Jobs	15,608	9,473	6,503	150	31,735
	Homes	905,494	545,439	374,432		1,825,366
Missouri	Megawatts	369	1,768	560	10	2,706
	Jobs	1,931	5,835	1,847	100	9,713
	Homes	112,024	335,983	106,330		554,337
Indiana	Megawatts	1,907	3,685	2,899	30	8,521
	Jobs	9,994	12,161	9,567	300	32,022
	Homes	579,804	700,157	550,841		1,830,802
Michigan	Megawatts	1,887	5,315	755	412	8,368
	Jobs	9,885	17,539	2,491	4,120	34,035
	Homes	573,496	1,009,796	143,415		1,726,707
MISO North Total	Megawatts	18,504	24,690	8,992	548	52,733
	Jobs	96,959	81,477	29,672	5,480	213,587
	Homes	5,625,084	4,691,079	1,708,396		12,024,559

Table Sources

- Megawatts of renewables additions for MISO Future I, via [MISO Futures Report \(p. 56\)](#) for MISO Local Resource Zones (LRZ) 1-7 that comprise MISO North and correspond to the states (or portions of states) listed in the first column of the chart.
- 3.3. direct jobs/mw for utility-scale solar, via [Solar Foundation](#)
- 5.24 direct & indirect jobs for onshore wind, via [Global Wind Energy Council](#)
- 10 direct & indirect jobs for battery storage project job creation, via [CESA](#)
- 190 homes powered/MW utility scale solar, via [SEIA](#)
- 304 homes powered/MW wind power, via [American Clean Power Association](#)
- Jobs and homes powered estimates for hybrid use utility scale solar multipliers.

¹ See MISO's [LRTP Tranche I Portfolio Detailed Business Case](#), slide 59

² See [MISO Futures Report](#), p. 56

³ [Americans for a Clean Energy Grid](#) estimates 11.5 direct jobs per \$1M in investment for AC transmission projects. Based on these this multiplier, the \$10.4 billion in investment coming in MISO's new portfolio of regional lines can be expected to result in 119,600 jobs.