

# 25x'25 Energy Future: Arkansas

## The Economic and Land Use Impacts of a Renewable Energy Standard\*



### Change in Net Farm Income (\$ Million)

	2015	2020	2025
Change in Net Farm Income from Baseline	\$0.00	\$0.00	\$191.79

\*Changes in net farm income are less significant in the short term, but increase as demand for biomass increases.

### Electricity Production (Million kWh)

	2015	2020	2025
Biomass	2,731.0	3,596.2	14,141.3
Wind	148.1	148.5	151.1
Solar	3,836.4	4,642.4	4,794.0
Total	6,715.6	8,387.1	19,086.4

### Acres Planted (Acres)

	2015	2020	2025	2025
	Planted	Planted	Planted	Land Use Change ***
Corn	362,624	331,002	338,793	(2,634)
Soybeans	3,038,041	2,927,263	2,768,892	(57,069)
Wheat	522,988	515,852	539,719	(4,055)
Dedicated Energy Crops	173,997	477,538	1,069,375	448,952
Hay	1,349,383	1,342,270	2,276,130	549,223
Wood*	0	66,002	481,365	201,154
Other**	1,382,867	1,403,303	1,410,979	(1,297)
Cotton	616,984	435,503	444,615	(19,871)

\*Includes Poplar and Willow

\*\*Includes Barley, Oats, Rice, and Sorghum

\*\*\* Change in acres planted from the baseline in 2025

### Estimated Agriculture and Renewable Energy Impacts to the State Economy

	2015	2020	2025
<b>Industry Output (\$ Million)</b>			
Direct	\$946.13	\$1,583.19	\$2,113.24
Total	\$1,481.81	\$2,199.74	\$2,962.64
<b>Employment (Number)</b>			
Direct	364	627	1549
Total	4337	4993	7990

\*The data presented represent the economic and land use impacts of an RES in comparison to the EISA baseline, as presented in the national report accessible at [www.25x25.org](http://www.25x25.org) and [beag.ag.utk.edu/](http://beag.ag.utk.edu/).