



















Projection	Energy Demand
	(quads)
Department of Energy	126.99 in 2025 quads
RAND	117.7 in 2025 since
	reduces energy demand.
Current Level of Use	Roughly 101 quads in 2005

Eller	gy Source:	2005 ^a	2025 ^b	
3		Quads	Quads	
Geot	hermal	0.30	2.08	
Solar	Photovoltaic	0.00	0.69	
Solar	Thermal	0.01	0.00	
Hydro	D	2.80	3.10	
Wind		0.11	4.04	
Total		3.22	9.91	

Type of Energy	Units	Quantity	BTU's/unit	Quads
		Billion units		
Ethanol	Gallons	86.9	84,600	7.35
Biodiesel	Gallons	1.1	136,000	0.15
Electricity from	kWh	962	8,266	
Biomass				7.95
Wind	kWh	606.2	10280	6.23





C	Rate of G Yields	crease in 1 2015	
		USDAext	AE
	Corn (bushels)	1.13%	1.69%
	Sorghum (bushels)	0.76%	1.13%
	Oats (bushels)	0.61%	0.91%
	Barley (bushels)	0.88%	1.31%
	Wheat (bushels)	0.88%	1.32%
	Soybeans (bushels)	0.93%	1.39%
	Cotton (pounds)	0.43%	0.64%
	Rice (pounds)	0.79%	1.19%
		The Universi Agri	ty of Tennessee









		\$/bu from	baseline	
Crop	2010	2015	2020	2025
Corn	0.16	0.02	0.16	0.71
Wheat	-0.12	-0.23	0.33	0.48
Soybeans	0.09	0.16	1.69	2.04
		\$/dry t	on	
Dedicated				
Energy Crops	0	46.85	60.9	81.85
		\$/ga	llon	
Cost of				
thanol	1.57	1.38	1.44	1.60



































	Change in Ind	lustry Output	Impact in Employment	
	Direct Impact	Total Impact	Direct Impact	Total Impact
	million		number o	of jobs
2020:				
Agricultural Production Sector	\$56,844.9	\$86,012.0	536,493.1	828,569.8
Renewable Energy Sector	\$93,007.9	\$189,137.0	61,892.1	980,656.6
nterstate Commerce	\$0.0	\$173,503.0	0.0	1,340,315.5
Total	\$149,852.8	\$448,652.0	598,385.3	3,149,541.9
2025:				
Agricultural Production Sector	\$113,664.2	\$170,512.2	1,171,760.4	1,749,625.0
Renewable Energy Sector	\$138,776.0	\$280,854.1	93,390.3	1,460,017.7
nterstate Commerce	\$0.0	\$252,990.5	0.0	1,955,891.1
Total	\$252,440.2	\$704,356.8	1,265,150.7	5,165,533.8









