

Table 6.3 Renewable Energy Consumption in Utah, 1960-2019

Year	Residential			Commercial					Industrial						Electric Utility - Net Generation						Transportation										
	Wood	Direct-use Geothermal	Solar	Wood	Waste	Solar	Ethanol		Direct-use Geothermal	Wood	Waste	Ethanol		Geothermal	Solar	Hydroelectric	Waste	Geothermal <sup>1</sup>		Hydroelectric		Wind		Solar		Ethanol					
	Billion Btu	Billion Btu	GWh	Billion Btu	Billion Btu	Billion Btu	Billion Btu	Thousand barrels	Billion Btu	Billion Btu	Billion Btu	Billion Btu	Thousand barrels	Billion Btu	Billion Btu	GWh	Billion Btu	GWh	Billion Btu	Billion Btu	GWh	Billion Btu	GWh	Billion Btu	GWh	Billion Btu	Thousand barrels	Billion Btu			
1960	1,840	0	0	0	35	0	0	0	0	0	344	0	0	0	0	0	0	0	0	0	304	3,273	0	0	0	0	0	0			
1961	1,772	0	0	0	34	0	0	0	0	0	327	0	0	0	0	0	0	0	0	0	231	2,457	0	0	0	0	0	0			
1962	1,668	0	0	0	32	0	0	0	0	0	344	0	0	0	0	0	0	2	23	0	0	391	4,125	0	0	0	0	0			
1963	1,600	0	0	0	30	0	0	0	0	0	378	0	0	0	0	0	2	23	0	0	350	3,668	0	0	0	0	0	0			
1964	1,720	0	0	0	33	0	0	0	0	0	396	0	0	0	0	0	3	31	0	0	762	7,972	0	0	0	0	0	0			
1965	1,582	0	0	0	30	0	0	0	0	0	344	0	0	0	0	0	3	31	0	0	910	9,514	0	0	0	0	0	0			
1966	1,531	0	0	0	29	0	0	0	0	0	378	0	0	0	0	0	3	32	0	0	788	8,204	0	0	0	0	0	0			
1967	1,565	0	0	0	30	0	0	0	0	0	464	0	0	0	0	0	3	32	0	0	1,071	11,174	0	0	0	0	0	0			
1968	1,651	0	0	0	32	0	0	0	0	0	533	0	0	0	0	0	3	31	0	0	1,014	10,544	0	0	0	0	0	0			
1969	1,651	0	0	0	31	0	0	0	0	0	602	0	0	0	0	0	3	31	0	0	1,114	11,642	0	0	0	0	0	0			
1970	1,737	0	0	0	33	0	0	0	0	0	533	0	0	0	0	0	3	31	0	0	738	7,744	0	0	0	0	0	0			
1971	1,737	0	0	0	33	0	0	0	0	0	533	0	0	0	0	0	3	31	0	0	981	10,281	0	0	0	0	0	0			
1972	1,686	0	0	0	32	0	0	0	0	0	826	0	0	0	0	0	3	29	0	0	1,220	12,663	0	0	0	0	0	0			
1973	1,703	0	0	0	32	0	0	0	0	0	1,410	0	0	0	0	0	0	0	0	0	1,111	11,537	0	0	0	0	0	0			
1974	1,686	0	0	0	32	0	0	0	0	0	894	0	0	0	0	0	0	0	0	0	941	9,828	0	0	0	0	0	0			
1975	2,012	0	0	0	38	0	0	0	0	0	843	0	0	0	0	0	0	0	0	0	1,074	11,181	0	0	0	0	0	0			
1976	2,133	0	0	0	40	0	0	0	0	0	1,084	0	0	0	0	0	0	0	0	0	1,130	11,717	0	0	0	0	0	0			
1977	2,339	0	0	0	44	0	0	0	0	0	1,428	0	0	0	0	0	0	0	0	0	757	7,898	0	0	0	0	0	0			
1978	2,838	0	0	0	54	0	0	0	0	0	1,600	0	0	0	0	0	0	0	0	0	734	7,601	0	0	0	0	0	0			
1979	3,612	0	0	0	69	0	0	0	0	0	1,651	0	0	0	0	0	0	0	0	0	802	8,303	0	0	0	0	0	0			
1980	3,779	0	0	0	94	0	0	0	0	0	619	0	0	0	0	0	0	0	0	0	821	8,533	0	0	0	0	0	0			
1981	5,100	0	0	0	123	0	0	0	0	0	619	34	0	0	0	0	0	0	0	0	623	6,512	0	0	0	0	0	0			
1982	5,295	0	0	0	120	0	0	0	0	0	586	46	0	0	0	0	0	0	0	0	1,024	10,710	0	0	0	0	0	4			
1983	5,663	0	0	0	128	0	0	0	0	0	654	60	0	0	0	0	0	0	0	0	1,394	14,663	0	0	0	0	0	0			
1984	5,846	0	0	0	131	0	0	0	1	0	649	79	1	2	0	0	0	0	0	0	38	400	1,391	14,519	0	0	0	58	202		
1985	6,022	0	0	0	143	0	0	0	0	0	636	89	0	1	0	0	0	0	0	0	110	1,144	1,019	10,646	0	0	0	11	40		
1986	5,486	0	0	0	161	0	0	0	0	0	769	35	0	0	0	0	0	0	0	0	172	1,793	1,413	14,756	0	0	0	5	18		
1987	2,750	0	0	0	94	0	0	0	0	0	753	39	0	0	0	0	0	0	0	0	164	1,707	856	8,919	0	0	0	1	2		
1988	2,935	0	0	0	103	0	0	0	0	0	776	42	0	0	0	0	0	0	0	0	174	1,799	593	6,123	0	0	0	1	3		
1989	2,967	55	0	34	240	0	0	0	0	137	314	23	0	0	240	0	0	0	0	0	173	1,806	562	5,859	0	0	0	1	5		
1990	2,964	55	0	40	324	0	0	0	0	136	130	24	0	0	233	0	0	0	0	0	152	1,579	508	5,289	0	0	0	1	4		
1991	3,107	55	0	40	338	0	0	0	0	136	137	23	0	0	230	0	0	0	0	0	186	1,944	627	6,543	0	0	0	1	2		
1992	3,260	55	0	40	357	0	0	0	0	135	123	22	0	0	229	0	0	0	0	0	233	2,414	602	6,230	0	0	0	7	23		
1993	3,153	55	0	40	424	0	0	0	0	135	129	21	0	1	225	0	0	0	0	0	187	1,926	860	8,866	0	0	0	19	66		
1994	2,993	55	0	51	406	0	0	0	0	134	124	29	0	0	264	0	0	0	0	0	233	2,400	750	7,742	0	0	0	0	0		
1995	2,993	55	0	51	410	0	0	0	0	132	148	29	0	0	292	0	0	0	0	0	168	1,734	969	9,990	0	0	0	0	0		
1996	3,108	55	0	53	426	0	0	0	0	148	195	68	0	1	276	0	0	0	0	0	223	2,309	1,049	10,846	0	0	0	21	74		
1997	3,541	55	0	51	592	0	0	0	0	150	212	53	0	0	300	0	0	0	0	0	203	2,075	1,344	13,728	0	0	0	0	0		
1998	3,146	55	0	49	517	0	0	0	1	188	190	36	3	11	284	0	0	0	0	0	195	1,984	1,315	13,406	0	0	0	294	1,018		
1999	3,229	24	0	47	543	0	0	0	1	158	196	36	3	9	341	0	0	0	0	0	1,361	186	1,901	1,255	12,835	0	0	0	250	866	
2000	3,478	24	0	44	581	0	0	0	1	162	189	28	3	10	353	0	0	0	0	0	1,385	186	1,902	746	7,611	0	0	0	284	985	
2001	1,989	24	0	41	350	0	0	0	1	163	238	26	8	28	400	0	0	0	0	0	754	186	1,922	508	5,253	0	0	0	369	1,281	
2002	2,019	24	0	39	358	0	0	0	0	177	130	65	2	7	400	0	0	0	0	0	797	218	2,214	458	4,657	0	0	0	98	340	
2003	2,125	24	0	39	373	0	0	0	0	221	133	63	2	6	284	0	0	0	0	0	713	198	2,032	421	4,266	0	0	0	75	259	
2004	2,178	24	0	37	365	0	0	0	0	241	141	62	1	3	318	0	0	0	0	0	758	195	1,953	450	4,506	0	0	0	36	126	
2005	1,928	24	0	35	309	0	0	0	1	272	142	66	15	51	359	0	0	0	0	0	779	185	1,848	784	7,844	0	0	0	604	2,094	
2006	1,710	24	0	36	287	93	0	0	1	280	198	155	13	44	368	0	0	0	0	0	754	191	1,891	747	7,407	0	0	0	508	1,762	
2007	1,890	25	0	40	305	140	0	0	1	287	205	176	18	63	393	0	0	0	0	0	623	164	1,620	539	5,325	0	0	0	881	3,057	
2008	2,115	24	0	45	322	0	0	0	1	293	197	174	21	73	472	0	0	0	0	0	987	254	2,506	668	6,583	24	236	0	1,066	3,698	
2009	1,043	38	0	55	147	0	0	3	1	331	172	192	23	80	396	0	0	0	0	0	1,139	279	2,724	835	8,152	160	1,557	0	1,231	4,260	
2010	1,118	43	1	66	145	0	1	13	1	366	294	196	21	75	337	0	2	0	0	0	1,242	277	2,702	696	6,785	448	4,368	0	1,431	4,959	
2011	1,085	197	3	80	140	0	3	29	2	285	183	20	30	103	337	0	4	0	0	0	1,302	330	3,208	1,230	11,952	573	5,565	0	1,902	6,598	
2012	906	96	5	99	123	0	8	76	2	356	183	19	32	110	357	1	13	0	0	0	1,314	335	3,184	748	7,116	704	6,698	2	15	2,020	7,007
2013	1,183	96	9	141	142	0	11	102	2	356	183	20	33	116	357	2	19	0	0	0	1,421	319	3,043	505	4,818	540	5,150	2	20	2,187	7,590
2014	1,197	96	16	208	148	0	18	172	2	356	188	15	26	90	357	3	33	0	0	0	1,515	522	4,960	633	6,018	660	6,276	2	21	2,175	7,551
2015	3,1																														