Table 1.4 **Energy Production in Utah by Primary Source (Trillion Btu), 1960-2015**

Trillion Btu

Year	Fossil Fuels						Renewable Energy[4, 5]						MSW[6]	Total Production	Percent Fossil Fuel	Percent Renewable
	Coal	Crude Oil	Natural Gas (Wet/Dry)[1]	Natural Gas Liquids[2]	Other Gases[3]	Total Fossil Fuel	Hydro-electric	Geo- thermal	Biomass	Wind	Solar	Total Renewable				
1960	114.7	218.1	51.2	na	0.0	383.9	3.3	0.0	2.2	0.0	0.0	5.5	0.0	389.4	98.6%	1.4%
1961	119.4	191.9	57.3	na	0.0	368.6	2.5	0.0	2.1	0.0	0.0	4.6	0.0	373.2	98.8%	1.2%
1962	99.5	179.5	74.4	na	0.0	353.3	4.1	0.0	2.0	0.0	0.0	6.2	0.0	359.5	98.3%	1.7%
1963	100.9	194.0	77.4	na	0.0	372.2	3.7	0.0	2.0	0.0	0.0	5.7	0.0	377.9	98.5%	1.5%
1964	109.2	165.6	79.9	na	0.0	354.8	8.0	0.0	2.1	0.0	0.0	10.2	0.0	364.9	97.2%	2.8%
1965	115.5	146.8	71.8	na	0.0	334.2	9.5	0.0	2.0	0.0	0.0	11.5	0.0	345.7	96.7%	3.3%
1966	107.3	140.1	70.3	na	0.0	317.7	8.2	0.0	1.9	0.0	0.0	10.2	0.0	327.9	96.9%	3.1%
1967	96.6	139.5	49.1	na	0.0	285.2	11.2	0.0	2.1	0.0	0.0	13.3	0.0	298.4	95.6%	4.4%
1968	99.9	136.3	46.3	na	0.0	282.5	10.6	0.0	2.2	0.0	0.0	12.8	0.0	295.3	95.7%	4.3%
1969	107.8	135.2	46.9	na	0.0	289.8	11.7	0.0	2.3	0.0	0.0	14.0	0.0	303.8	95.4%	4.6%
1970	109.6	135.5	42.9	na	0.0	288.0	7.8	0.0	2.3	0.0	0.0	10.1	0.0	298.1	96.6%	3.4%
1971	107.1	137.1	47.4	na	0.0	291.5	10.3	0.0	2.3	0.0	0.0	12.6	0.0	304.2	95.9%	4.1%
1972	111.1	153.8	43.8	na	0.0	308.7	12.7	0.0	2.5	0.0	0.0	15.2	0.0	324.0	95.3%	4.7%
1973	138.0	188.8	47.2	na	0.0	374.0	11.5	0.0	3.1	0.0	0.0	14.7	0.0	388.7	96.2%	3.8%
1974	146.6	228.8	55.8	na	0.0	431.2	9.8	0.0	2.6	0.0	0.0	12.4	0.0	443.7	97.2%	2.8%
1975	165.3	232.8	59.4	na	0.0	457.6	11.2	0.0	2.9	0.0	0.0	14.1	0.0	471.6	97.0%	3.0%
1976	179.1	205.2	61.9	na	0.0	446.2	11.7	0.0	3.3	0.0	0.0	15.0	0.0	461.2	96.8%	3.2%
1977	204.5	216.4	65.9	na	0.0	486.9	7.9	0.0	3.8	0.0	0.0	11.7	0.0	498.6	97.7%	2.3%
1978	213.2	207.4	62.2	na	0.0	482.8	7.6	0.0	4.5	0.0	0.0	12.1	0.0	494.9	97.6%	2.4%
1979	283.1	160.4	64.9	na	0.0	508.4	8.3	0.0	5.3	0.0	0.0	13.6	0.0	522.0	97.4%	2.6%
1980	309.8	144.9	56.8	na	0.0	511.5	8.5	0.0	4.5	0.0	0.0	13.0	0.0	524.5	97.5%	2.5%
1981	319.6	141.0	70.6	na	0.0	531.2	6.5	0.0	5.9	0.0	0.0	12.4	0.0	543.6	97.7%	2.3%
1982	393.8	136.9	52.0	na	0.0	582.7	10.7	0.0	6.0	0.0	0.0	16.8	0.0	599.4	97.2%	2.8%
1983	273.2	180.1	25.2	na	0.0	478.4	14.7	0.0	6.5	0.0	0.0	21.2	0.0	499.6	95.8%	4.2%
1984	283.8	220.7	88.1	na	0.0	592.7	14.5	0.4	6.7	0.0	0.0	21.6	0.0	614.3	96.5%	3.5%
1985	302.3	238.3	96.8	na	0.0	637.4	10.6	1.1	6.9	0.0	0.0	18.7	0.0	656.1	97.2%	2.8%
1986	331.5	227.6	104.6	na	0.0	663.7	14.8	1.8	6.5	0.0	0.0	23.0	0.0	686.7	96.7%	3.3%
1987	383.8	207.8	116.4	na	0.0	708.0	8.9	1.7	3.6	0.0	0.0	14.3	0.0	722.3	98.0%	2.0%
1988	420.4	193.5	146.7	na	0.0	760.6	6.1	1.8	3.9	0.0	0.0	11.8	0.0	772.4	98.5%	1.5%
1989	469.3	165.3	162.0	na	0.0	796.7	5.9	2.2	3.5	0.0	0.0	11.7	0.0	808.3	98.6%	1.4%
1990	510.3	160.7	189.3	na	1.9	862.3	5.3	2.0	3.4	0.0	0.0	10.8	0.0	873.1	98.8%	1.2%
1991	506.4	150.4	180.4	na	2.1	839.3	6.5	2.4	3.6	0.0	0.0	12.5	0.0	851.9	98.5%	1.5%
1992	485.5	139.6	204.7	na	2.4	832.2	6.2	2.8	3.8	0.0	0.0	12.9	0.0	845.1	98.5%	1.5%
1993	504.0	126.6	217.8	20.4	2.9	871.7	8.9	2.3	3.7	0.0	0.0	15.0	0.0	886.6	98.3%	1.7%
1994	567.4	119.9	264.3	20.4	2.9	974.9	7.7	2.9	3.6	0.0	0.1	14.2	0.0	989.1	98.6%	1.4%
1995	583.7	115.9	233.5	24.1	2.7	959.9	10.0	2.2	3.6	0.0	0.1	15.8	0.0	975.7	98.4%	1.6%
1996	630.3	113.3	246.0	27.2	2.5	1,019.2	10.8	2.8	3.8	0.0	0.1	17.5	0.0	1,036.7	98.3%	1.7%
1997	610.5	113.6	245.5	22.6	2.9	995.1	13.7	2.6	4.4	0.0	0.1	20.8	0.0	1,015.8	98.0%	2.0%
1998	612.9	111.5	273.8	21.7	2.9	1,022.7	13.4	2.5	3.9	0.0	0.1	19.9	0.0	1,042.6	98.1%	1.9%
1999	623.1	94.9	258.0	20.9	2.0	998.9	12.8	2.4	4.1	0.0	0.0	19.4	0.0	1,018.3	98.1%	1.9%
2000	637.5	90.5	262.9	19.2	2.6	1,012.8	7.6	2.4	4.4	0.0	0.0	14.5	0.0	1,027.3	98.6%	1.4%
2001	642.0	88.6	280.2	17.3	0.0	1,028.0	5.3	2.5	2.7	0.0	0.0	10.5	0.0	1,038.6	99.0%	1.0%
2002	586.8	79.9	277.9	13.2	0.0	957.8	4.7	3.1	2.6	0.0	0.0	10.4	0.1	968.3	98.9%	1.1%
2003	536.1	76.0	272.1	11.5	0.0	895.7	4.3	2.5	2.7	0.0	0.0	9.6	0.0	905.3	98.9%	1.1%
2004	491.8	85.5	281.7	11.9	0.0	870.9	4.5	2.5	2.8	0.0	0.0	9.9	0.0	880.8	98.9%	1.1%
2005	555.0	96.7	306.8	8.6	0.0	967.1	7.8	2.5	2.5	0.0	0.0	12.9	0.0	980.0	98.7%	1.3%
2006	595.9	104.0	355.1	7.1	0.0	1,062.1	7.4	2.6	2.6	0.0	0.0	12.6	0.0	1,074.7	98.8%	1.2%
2007	556.0	113.3	383.8	6.5	0.0	1,059.6	5.3	2.3	3.0	0.0	0.0	10.7	0.0	1,070.4	99.0%	1.0%
2008	562.1	127.8	441.9	9.5	0.4	1,141.7	6.6	3.3	3.0	0.2	0.1	13.2	1.4	1,156.3	98.7%	1.1%
2009	507.4	133.1	446.6	17.8	0.3	1,105.1	8.2	3.5	2.0	1.6	0.1	15.3	1.8	1,122.2	98.5%	1.4%
2010	447.0	143.1	431.8	21.6	0.4	1,043.7	6.8	3.4	2.0	4.4	0.1	16.7	1.7	1,062.1	98.3%	1.6%
2011	463.7	152.4	452.4	27.8	0.3	1,096.6	12.0	4.0	1.8	5.6	0.2	23.5	1.6	1,121.7	97.8%	2.1%
2012	390.3	175.2	486.2	29.9	0.0	1,081.5	7.1	4.0	1.7	6.7	0.3	19.8	1.3	1,102.6	98.1%	1.8%
2013	385.2	203.0	467.8	30.2	0.0	1,086.2	4.8	3.9	2.1	5.2	0.4	16.3	1.5	1,104.0	98.4%	1.5%
2014	411.0	237.2	448.5	36.1	0.0	1,132.8	6.0	5.8	2.1	6.3	0.5	20.7	1.1	1,154.6	98.1%	1.8%
2015*	332.6	215.4	421.1	27.1	0.1	996.2	7.3	4.9	2.3	6.0	1.3	21.7	1.0	1,019.0	97.8%	2.1%

*Preliminary

[1]Natural gas (wet) from 1960-1992, natural gas (dry) from 1993-2015

[2]Natural gas liquids included with natural gas (wet) for 1960-1992. Btu conversion based on U.S. averaged heat contents.

[3]Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels

[4]Assumed to equal consumption of all renewable energy sources

[5]For the conversion to Btu, approximate heat contents for entire United States are used. Utah specific numbers are unavailable.

[6]Municipal Solid Waste

Source: UGS coal company questionnaires; EIA, *Electric Power Annual*; Utah Division of Oil, Gas and Mining; EIA, State Energy Profiles; EIA Natural Gas Webpage Navigator; Utah Tax Commission

Note: Yellowcake is excluded because no nuclear energy is produced in Utah.

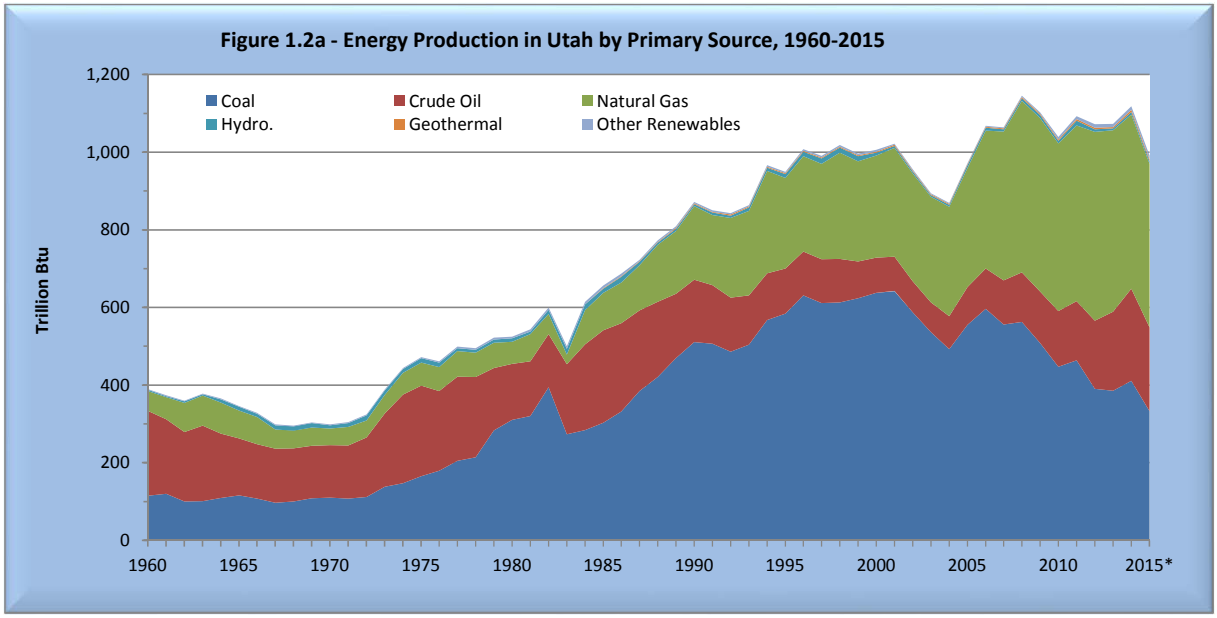
Figure 1.2a - Energy Production in Utah by Primary Source, 1960-2015
Coal
Crude Oil
Natural Gas
Hydro.
Geothermal
Other Renewables
Trillion Btu
1,200
1,000
800
600
400
200
0
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015*

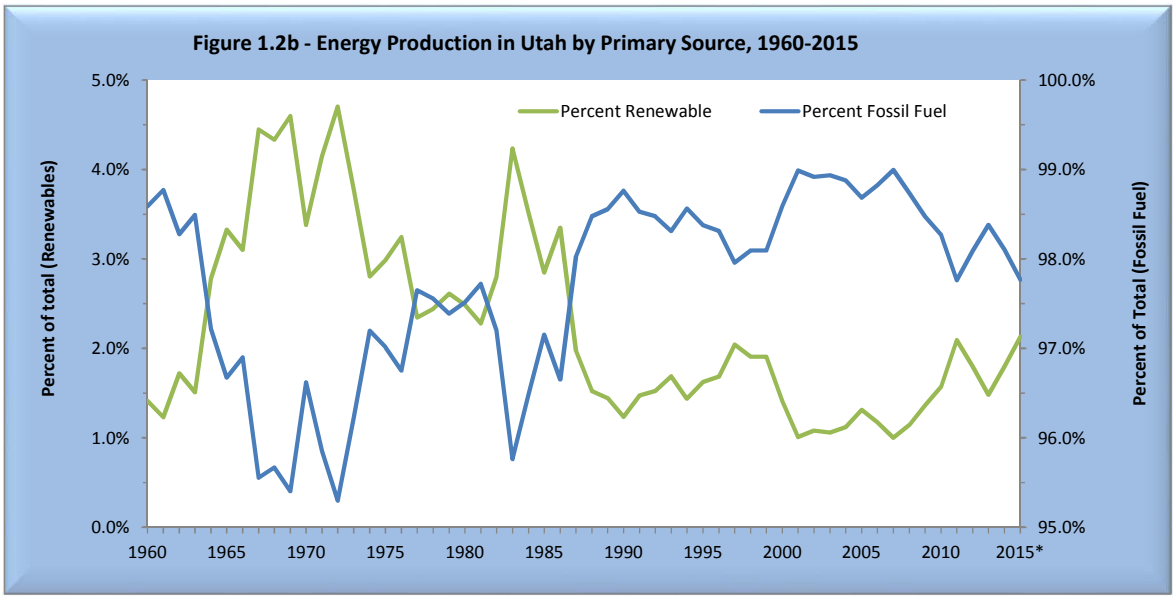
Figure 1.2b - Energy Production in Utah by Primary Source, 1960-2015
Percent Renewable
Percent Fossil Fuel
Percent of total (Renewables)
Percent of Total (Fossil Fuel)
5.0%
4.0%
3.0%
2.0%
1.0%
0.0%
100.0%
99.0%
98.0%
97.0%
96.0%
95.0%
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015*