

## Number of Units and Generating Capacity by Energy Source and Year of Initial Operation Nebraska, 1915 – 2024

Detail Period: 2021 - 2024

Period Inclusive of Year of Initial Operation	Primary Energy Source	Number of Units	Number of Wind Turbines	Generator Nameplate Capacity [Megawatts (MW)]	Net Summer Capacity (MW)	Net Winter Capacity (MW)
<b>2021-2024</b>						
	Biomass	0	NA	0	0	0
	Battery Storage	4	NA	4.5	3.4	3.4
	Coal	0	NA	0	0	0
	Landfill Gas	0	NA	0	0	0
	Natural Gas	1	NA	7.1	5.6	5.6
	Petroleum	0	NA	0	0	0
	Solar	12	NA	108.8	108.8	108.8
	Wind	296	396	989.3	989.3	989.3
	<b>Total</b>	<b>313</b>	<b>396</b>	<b>1,109.7</b>	<b>1,107.1</b>	<b>1,107.1</b>

Detail Period: 2011 – 2020

Period Inclusive of Year of Initial Operation	Primary Energy Source	Number of Units	Number of Wind Turbines	Generator Nameplate Capacity [Megawatts (MW)]	Net Summer Capacity (MW)	Net Winter Capacity (MW)
<b>2011-2020</b>						
	Biomass	0	NA	0	0	0
	Battery Storage	1	NA	1.5	1.5	1.5
	Coal	1	NA	248	232	232
	Landfill Gas	3	NA	4.8	4.8	4.8
	Natural Gas	1	NA	9.3	9.3	9.3
	Petroleum	2	NA	4	4	4
	Solar	9	NA	28.8	27.7	25.7
	Wind	1,111	1,111	2,374.0	2,368.1	2,368.1
	<b>Total</b>	<b>1,128</b>	<b>1,111</b>	<b>2,670.4</b>	<b>2,647.4</b>	<b>2,615.4</b>

**Detail Period: 2001 – 2010**

Period Inclusive of Year of Initial Operation	Primary Energy Source	Number of Units	Number of Wind Turbines	Generator Nameplate Capacity [Megawatts (MW)]	Net Summer Capacity (MW)	Net Winter Capacity (MW)
<b>2001–2010</b>						
	Biomass	2	NA	1.08	1.077	1.077
	Coal	2	NA	809.4	743.2	743.2
	Landfill Gas	8	NA	6.4	6.4	6.4
	Natural Gas	13	NA	1075.5	922.6	870.8
	Petroleum	7	NA	10.5	9.9	9.9
	Solar	3	NA	0.0524	0.0524	0.0524
	Wind	172	172	292.592	234.692	251.192
	<b>Total</b>	<b>207</b>	<b>172</b>	<b>2,195.5</b>	<b>1,917.9</b>	<b>1,882.6</b>

**Detail Period: 1991 – 2000**

Period Inclusive of Year of Initial Operation	Primary Energy Source	Number of Units	Number of Wind Turbines	Generator Nameplate Capacity [Megawatts (MW)]	Net Summer Capacity (MW)	Net Winter Capacity (MW)
<b>1991–2000</b>						
	Natural Gas	5	NA	109.8	96.1	107.3
	Petroleum	17	NA	255.5	231.1	255.6
	Wind	4	4	3.0	3.0	3.0
	<b>Total</b>	<b>26</b>	<b>4</b>	<b>368.3</b>	<b>330.2</b>	<b>365.9</b>

**Detail Period: 1981 – 1990**

Period Inclusive of Year of Initial Operation	Primary Energy Source	Number of Units	Number of Wind Turbines	Generator Nameplate Capacity [Megawatts (MW)]	Net Summer Capacity (MW)	Net Winter Capacity (MW)
<b>1981–1990</b>						
	Biomass	5	NA	3.5	3.5	0
	Coal	3	NA	867.4	877	877
	Hydroelectric	1	NA	50	38	38
	Natural Gas	3	NA	14	13.5	14.1
	Petroleum	4	NA	3.6	3.2	3.2
	<b>Total</b>	<b>16</b>	<b>NA</b>	<b>938.5</b>	<b>935.2</b>	<b>932.3</b>

**Detail Period: 1971 – 1980**

Period Inclusive of Year of Initial Operation	Primary Energy Source	Number of Units	Number of Wind Turbines	Generator Nameplate Capacity [Megawatts (MW)]	Net Summer Capacity (MW)	Net Winter Capacity (MW)
<b>1971–1980</b>						
	Coal	3	NA	1388.7	1368.8	1369.6
	Natural Gas	21	NA	291.7	282.8	297.2
	Petroleum	11	NA	361.7	320	366.9
	Nuclear	2	NA	1,337.60	1,245.00	1,261.00
	<b>Total</b>	<b>37</b>	<b>NA</b>	<b>3,379.7</b>	<b>3,216.6</b>	<b>3,294.7</b>

**Detail Period: 1961 – 1970**

Period Inclusive of Year of Initial Operation	Primary Energy Source	Number of Units	Number of Wind Turbines	Generator Nameplate Capacity [Megawatts (MW)]	Net Summer Capacity (MW)	Net Winter Capacity (MW)
<b>1961–1970</b>						
	Coal	5	NA	604.3	607.2	533.2
	Natural Gas	34	NA	127	120.3	122.2
	Petroleum	11	NA	19.1	17.9	17.9
	<b>Total</b>	<b>50</b>	<b>NA</b>	<b>750.4</b>	<b>745.4</b>	<b>673.3</b>

**Detail Period: 1951 – 1960**

Period Inclusive of Year of Initial Operation	Primary Energy Source	Number of Units	Number of Wind Turbines	Generator Nameplate Capacity [Megawatts (MW)]	Net Summer Capacity (MW)	Net Winter Capacity (MW)
<b>1951–1960</b>						
	Coal	4	NA	307.6	315.6	261.2
	Hydroelectric	2	NA	1.7	1.1	1.1
	Natural Gas	32	NA	184.7	184.7	185.8
	Petroleum	35	NA	32.1	27.4	27.8
	<b>Total</b>	<b>73</b>	<b>NA</b>	<b>526.1</b>	<b>528.8</b>	<b>475.9</b>

**Detail Period: 1941 – 1950**

Period Inclusive of Year of Initial Operation	Primary Energy Source	Number of Units	Number of Wind Turbines	Generator Nameplate Capacity [Megawatts (MW)]	Net Summer Capacity (MW)	Net Winter Capacity (MW)
<b>1941–1950</b>						
	Hydroelectric	5	NA	55	54	54
	Natural Gas	10	NA	14.3	12.3	12.9
	Petroleum	22	NA	9.6	8.4	8.4
	<b>Total</b>	<b>37</b>	<b>NA</b>	<b>78.9</b>	<b>74.7</b>	<b>75.3</b>

**Detail Period: 1915 – 1940**

Period Inclusive of Year of Initial Operation	Primary Energy Source	Number of Units	Number of Wind Turbines	Generator Nameplate Capacity [Megawatts (MW)]	Net Summer Capacity (MW)	Net Winter Capacity (MW)
<b>1915–1940</b>						
	Hydroelectric	11	NA	76.2	73.3	72.6
	Natural Gas	3	NA	3.4	3.3	3.3
	Petroleum	15	NA	5.8	5.4	5.5
	<b>Total</b>	<b>29</b>	<b>NA</b>	<b>85.4</b>	<b>82.0</b>	<b>81.4</b>

**Sources:** Energy Information Administration, Washington, DC. Nebraska Department of Water, Energy, and Environment, Lincoln, NE.

**Note:** NA indicates not applicable.