

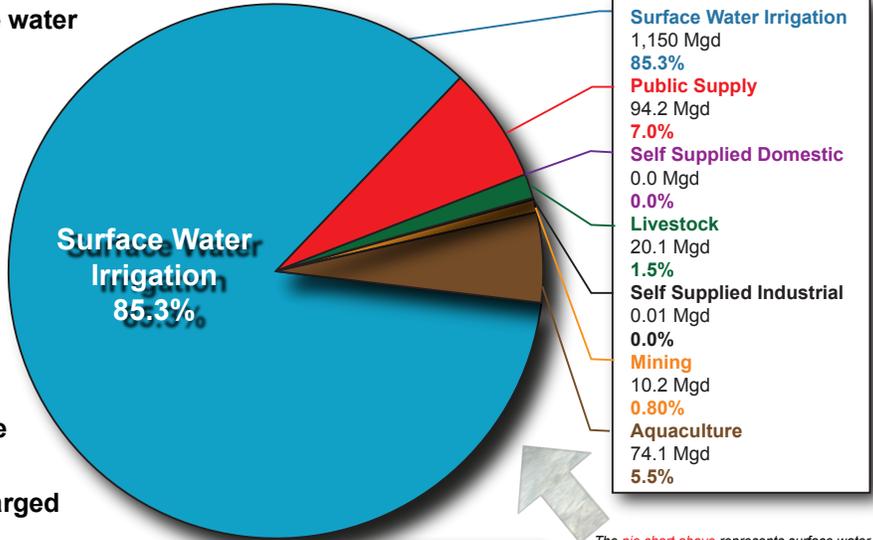


# Nebraska

## Estimated Total Surface Water Withdrawals

by water use category for the year 2005

Vast quantities of surface and groundwater are used in Nebraska for a wide range of purposes. Surface water is diverted and withdrawn from streams and reservoirs for offstream uses, including hydroelectric power generation and irrigation. It is also used in streams, reservoirs, and lakes for hydroelectric power generation, fish and wildlife uses, livestock watering, and recreation. Groundwater is used for irrigation, water supply for humans and animals, and commercial and industrial uses. In some cases groundwater contributes flow to surface water, as either a deliberate or unintended result of the original use. Groundwater applied to fields for irrigation may infiltrate into aquifers or be discharged into rivers. Also, some groundwater used for public water supply is returned to streams via wastewater treatment plant discharge.

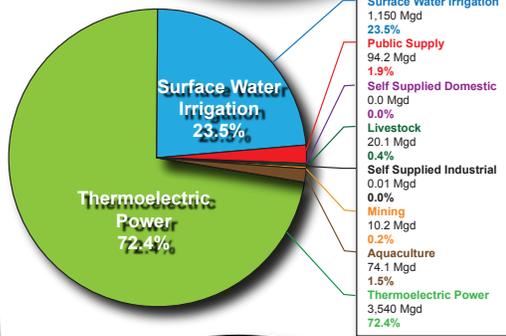


The pie chart above represents surface water withdrawals by water use category-2005 without thermoelectric or hydroelectric power.

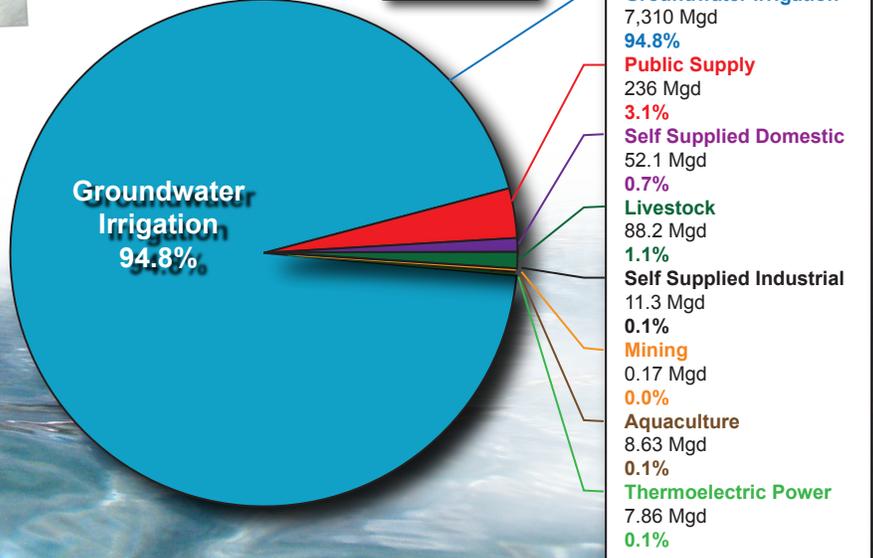
Mgd=Million gallons a day

## Estimated Total Groundwater Withdrawals

by water use category for the year 2005



The pie chart to the left represents surface water withdrawals by water use category-2005 with thermoelectric power.



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WATER EQUIVALENTS TABLE		
1 Cubic foot.....	7.48 gallons.....	62.4 lbs. of water
1 Acre-foot.....	43,560 cubic feet.....	325,851 gallons
<i>An acre-foot of water covers 1 acre of land 1 foot deep</i>		
1 cubic foot per second (cfs).....	448.8 gallons per minute	
1 cfs.....	646,272 gallons per day	
For 24 hours.....	1,984 acre-feet	
For 30 days.....	59.5 acre-feet	
For 1 year.....	724 acre-feet	
1 million gallons.....	3.07 acre-feet	
1 million gallons per day (mgd).....	1,121 acre feet per year	
1,000 gallons per minute (gpm).....	2.23 cfs	
1,000 gpm.....	4.42 acre-feet per day	
\$ .10 per 1,000 gallons.....	\$32.59 per acre-foot	
<i>An acre-foot supplies a family of 5 for 1 year</i>		
<i>An acre-foot irrigates 1/2 acre of corn in most areas of Nebraska</i>		