

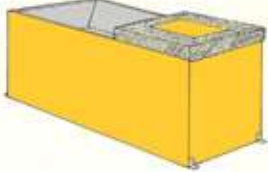
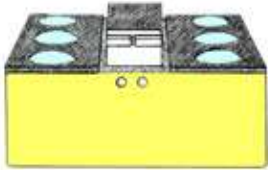


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### Step 3: Analysis of Water Fountains

The calculated energy use estimate is based on the type of waterer and the number and size of animals using the waterer, and the number of days when the temperature is less than 40 degrees Fahrenheit for the state and location you selected in Step 2. These are ballpark values and may not reflect actual usage because of condition of water fountain and variation between manufacturers but it provides a reference for comparing different types of water fountains. The energy savings is based on using no heating in an Energy-Free or Frost-Free Water Fountain. Energy-Free Water Fountains are available from many major manufacturers and retail outlets. Some electric utilities offer energy efficiency grants to encourage the installation of high efficiency, energy-free water fountains; contact your local utility for information.

[Click Here](#) for ways to reduce energy use for heated water fountains.

Type of Water Fountain	Type of Animal	Number of Water Fountains	Fountain Location	Avg # of animals per unit	Estimated energy use kWh/year	Estimated Annual Cost
<b>All metal or concrete, open trough, heated</b>						
	Feeder Cattle or Heifer	3	Outside	250	<b>1055</b>	<b>\$106</b>
	Beef Bull/Slaughter Steer	2	Outside	250	<b>1023</b>	<b>\$102</b>
<b>Super insulated, energy free, covered water w/ optional heater</b>						
	Feeder Cattle or Heifer	3	Outside	150	<b>318</b>	<b>\$32</b>
<b>Potential Savings of Energy-Free Water Fountains</b>						
<b>Energy Savings</b>					<b>2397</b>	<b>kWh/yr</b>
<b>Cost Savings</b>					<b>\$240</b>	
<b>Potential Greenhouse Gas reduction</b>					<b>3955</b>	<b>lbs. CO2 / yr</b>