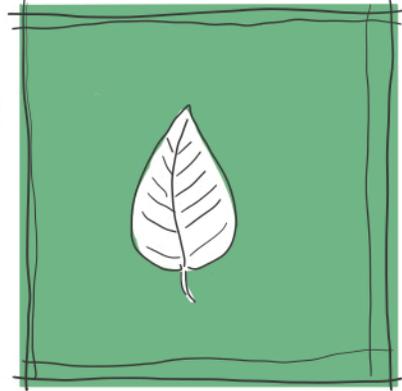
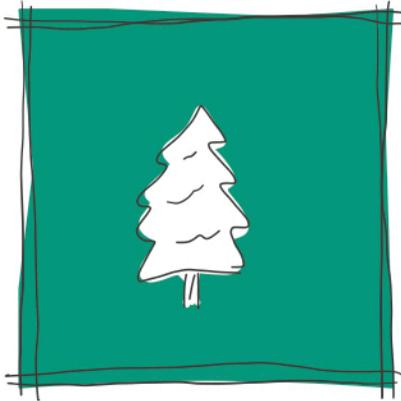

VERMILLION, SOUTH DAKOTA RECYCLING & SUSTAINABILITY **GUIDE**



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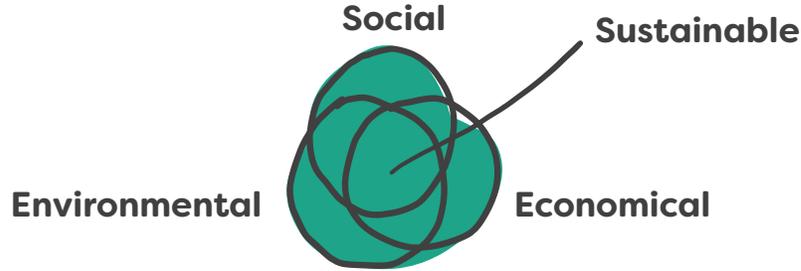


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What Is Sustainability?



Sustainable communities are those that are environmentally, economically, and socially healthy. One of the best ways to become a sustainable community is by adopting practices that have a long-term perspective: we want our community to be a great place to live for our children, grandchildren, and beyond.

Recycling is a great way to start being sustainable. But sustainability goes beyond just recycling. It is also about learning to use less, conserve more, and bring people together as a community. The goal of this guide is to educate all people of Vermillion about recycling options and provide citizens with the information they need to make sustainable decisions.

Why Recycle?

- **Recycling Reduces Landfill Waste.** Landfills have a limited lifespan and are costly to maintain and expand.
- **Recycling Conserves Natural Resources.** Such as timber, water, and minerals.
- **Recycling Prevents Pollution.** Mining for metals, drilling for petroleum, and harvesting trees all cause air and water pollution. Using scrap steel instead of ore to make new steel takes less water and creates 97% less waste.
- **Recycling Saves Energy.** Making products from recyclables results in energy savings.
- **Recycling Creates Jobs.** People are needed to collect, sort, and haul recyclable materials.
- **Recycling Saves Money.** Selling recyclable materials offsets extra costs of collecting and processing recyclables.



Closing the recycling loop

Purchasing products made from recycled materials closes the recycling loop. Look for products made of easily recyclable materials or that contain recycled content.

These common products can be made with recycled content:

Aluminum cans
Comic books
Newspapers

Car bumpers
Egg cartons
Paper towels

Carpeting
Motor oil
Steel products

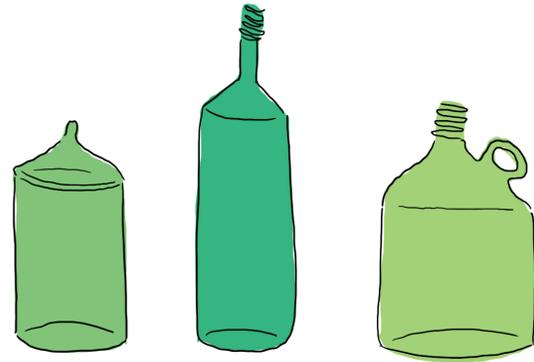
Cereal boxes
Nails
Trash bags



Energy Savings

- Recycling aluminum saves **95%** of the energy required to produce aluminum from ore
- Recycling paper saves **33%** of the energy
- Recycling plastic saves **88%** of the energy
- Recycling glass saves **30%** of the energy
- Recycling steel saves **25%** of the energy

Source: Waste Management



How long does it take stuff to decompose?

Paper 2-4 weeks

Cardboard 2 months

Plastic bag 100 years

Steel cans 100 years

Aluminum cans 200 years

Plastic bottle 450 years

Glass bottle Never

Styrofoam Never

Sources: Waste Management & US EPA

The 6 'Rs'

To make Vermillion a sustainable community, consider the 6 'Rs' before making purchases:

- **Reduce.** Do we need all of these things? Can we simplify?
- **Re-use.** Which things can I use again? Does it have another valuable use?
- **Repair.** Is it easy to repair and continue to use?
- **Rethink.** How can it do the job better?
Is it energy efficient?
- **Refuse.** Is it really necessary?
Will it last?
- **Recycle.** How easy is it to take apart?
How can the parts be used again?

Things to consider:

Use glasses and mugs rather than disposable plastic, paper, or foam cups. Use washable cloth rags or napkins rather than paper. Use reusable shopping bags and buy in bulk. Look for items that are recycled, recyclable, reliable, repairable, refillable, and reusable.

The What, When, & Where of Recycling

The City of Vermillion's Solid Waste Department manages the Vermillion Landfill, the Vermillion Missouri Valley Recycling Center, and the Vermillion Curbside Recycling Program. Garbage collection for residences and businesses is provided by private waste-hauling companies.

There are three ways to recycle in Vermillion: the Curbside Recycling Program, the Recycling Center, and satellite drop-off trailers located around town. The Recycling Center accepts the most recyclables, including yard waste, household hazardous waste, and glass. The curbside program and satellite drop-off trailers do not accept glass.

City of Vermillion Solid Waste Department
25 Center St., Vermillion, SD 57069
605-677-7076
www.vermillion.us/214/Solid-Waste



Curbside Recycling Collection

Vermillion's Curbside Recycling Program serves single-family homes and multi-family units up to five units. Members of the Curbside Recycling Crew provide a weekly collection service of recyclables, with the charge for the service being part of your monthly utility bill.

Residents collect recycling materials in two different bins, which are then separated by the Curbside Recycling Crew during pickup. Recyclable materials should be placed at your curbside by 7:30 a.m. of the day your neighborhood recycling occurs (Tuesday through Friday). See curbside recycling route map on page 13 for your recycling day. Recycling bins may be purchased from the Solid Waste Department or City Hall. You may also use your own similar-sized bins. Large loads can be taken directly to the Recycling Center.

Curbside Recycling Program
605-677-7076



Curbside Collection Bins

Green Bin

Rinse all containers & discard plastic lids

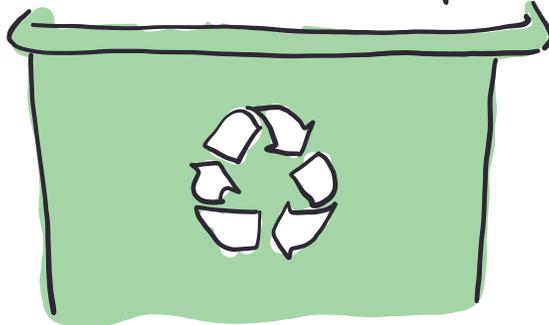
Plastic #1. Pop, water, juice bottles

Plastic #2. Milk, laundry detergent

Tin cans. Rinse, remove labels

Aluminum cans. Rinse

Aerosol cans. Empty, no lids



Recommendations

- DO NOT use plastic bags to separate items.
- If it is stormy and/or windy outside, consider recycling next week.
- The large green bin will work as a cover for the smaller blue bin full of paper if placed on top.
- You do not need to recycle all materials every week. Put out what you have the most of that week.

Curbside Collection Bins

Blue Bin

Newspapers. Flat or rolled, remove rubber bands & plastic bags

Magazines & catalogs

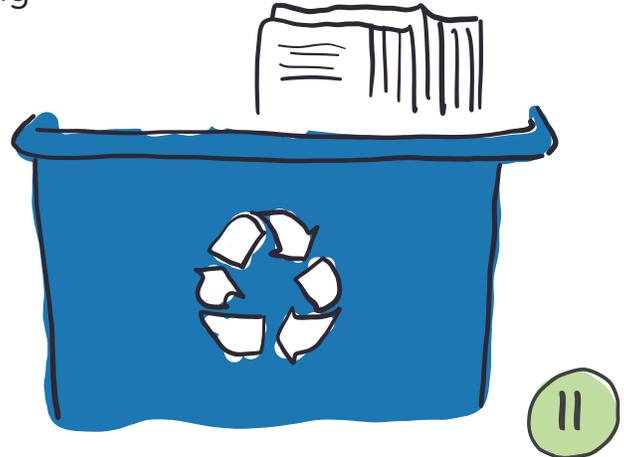
Office paper & junk mail. Window envelopes are recyclable

Shredded paper. MAY be placed in a plastic bag

Paper egg cartons

All paperboard (flatten). Cereal, pop, beer boxes, TP rolls

Corrugated cardboard. Flatten, place between bins



Curbside Collection Routes

Monday

Special Collections

Tuesday

All areas north of Cherry St. and north of Main St. between Dakota St. and Crawford Rd.

Wednesday

South of Cherry St. and west of Dakota St.

Thursday

South of Main St. between Dakota St. and Walker St.
Includes Valley View Dr., Ridgecrest Dr., and Poplar Ave.
Norbeck St. between Main St. and Lewis St.

Friday

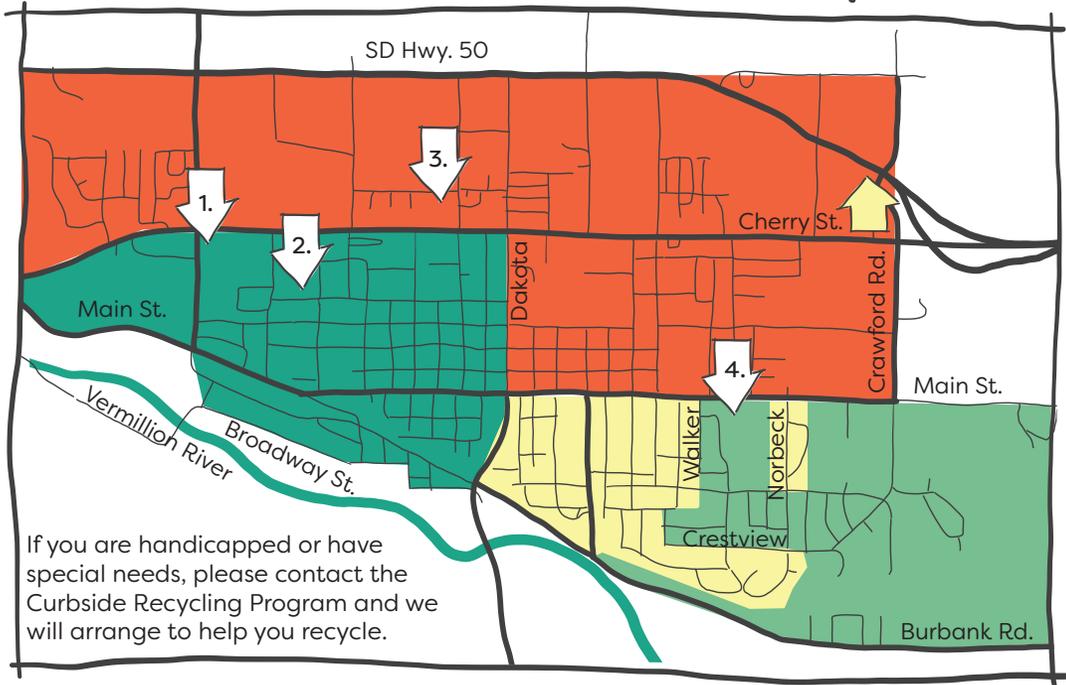
South of Main St. to Burbank Rd. and east of Walker St.
Burbank Rd. west to University St.

For the most up-to-date map, go to www.vermillion.us/217/Curbside-Recycling



*Routes subject to change.
Current routes as of September 2019.*

Collection Routes & 24/7 Trailers



 Missouri Valley Recycling Center

Satellite Drop-off:

-  1. Pump N Pak
-  2. Barstow Park
-  3. Vermillion Liquor Store
-  4. Vermillion High School Parking Lot

If you are handicapped or have special needs, please contact the Curbside Recycling Program and we will arrange to help you recycle.

● Tues.
 ● Wed.
 ● Thurs.
 ● Fri.

For billing inquiries, please call Utility Billing at 605-677-7056.

Missouri Valley Recycling Center

The Missouri Valley Recycling Center, located on Crawford Rd. near SD Hwy. 50 Bypass, is a drop-off facility open to residents and businesses in Clay County, Yankton County, and portions of Union County. The Recycling Center has seen an increasing amount of materials collected each year.

The center collected **2.2 million pounds** of recyclable materials in 2018.



One of Vermillion's recycling satellite drop-off trailers located at Vermillion High School.

Recycling Center

840 N Crawford Rd.
Vermillion, SD 57069

605-677-7076

Mon. – Fri. 8 am–4:30 pm

Sat., 9 am - noon

What can be recycled at the Recycling Center?

Aerosol cans (empty)
Aluminum cans (market price paid for aluminum cans)
Books
Catalogs
Corrugated cardboard
Glass bottles and jars
Lightweight Paperboard
Magazines
Newspapers
Paint cans (empty and wiped out)
Paper (includes junk mail, envelopes,
printer paper, white paper)
Phone books
Plastics #1 & #2
Scrap metals (clean aluminum, brass, copper)
Tin cans

Please do not try to recycle these items:

#3-7 plastics (yogurt containers)
Disposable razors
Used paper towels
Plastic bags
Styrofoam

Hazardous Waste

Why can't I just throw household hazardous waste (HHW) away?

Certain types of HHW, such as pesticides, can harm recycling or sanitation workers, contaminate septic tanks or wastewater treatment systems if poured down drains or toilets, and harm children and pets if left around the house.

How do I know if something is hazardous?

Read product labels for disposal directions to reduce the risk of products exploding, igniting, leaking, mixing with other chemicals, or posing other hazards on the way to a disposal facility. Even empty containers of HHW can pose hazards because of chemicals that might remain. Words such as “caution,” “warning,” “danger,” or “flammable” on the label are clues the product may be a hazardous material. These items should be used, stored, and disposed of properly.

When can I drop these off?

The Recycling Center holds an annual event for the collection of household hazardous waste. The event is traditionally held in October. There is a charge for disposal of hazardous waste. See advertising by the city and Greening Vermillion websites for scheduled events.

Pesticide & Light Bulb Disposal

Triple-Rinsed Pesticide Container Program

The Recycling Center, in cooperation with the SD Department of Agriculture, provides recycling for triple-rinsed pesticide containers from most of eastern South Dakota. The facility accepts the containers year round. Call 605-677-7156 to arrange for delivery time.

What about Light bulbs?

Both fluorescent and compact fluorescent light (CFL) bulbs contain a small amount of hazardous mercury sealed within the glass tubing of the light bulb. They can be dropped off at the Landfill or Recycling Center for a small fee of \$0.65-1.00 each.

Incandescent and LED bulbs are non-toxic and can be thrown away.

Things to consider

LED light bulbs:

- use up to 75% less energy than incandescent light bulbs
- last up to 10 times longer
- provide a quick return on investment.

Battery Disposal

Batteries contain toxic metals that are banned from many landfills. Batteries can be recycled at various locations in town (see below). All batteries are accepted at the Recycling Center during their household hazardous waste (HHW) collection day once a year.

- **Lead-Acid & Sealed Lead-Acid.** From cars, motorcycles, golf carts, ATVs, watercraft, wheelchairs, & weed trimmers - can be recycled at the Recycling Center or at local automotive stores
- **Lithium & Lithium Ion.** From laptops, cell phones, digital cameras, tablets, & MP3 players - can be recycled at some local electronic stores or during the annual HHW collection
- **Nickel-Cadmium (Ni-Cad) & Nickel Metal Hybrid.** From camcorders, power tools, 2-way radios, & cordless phones - can be recycled during the annual HHW collection
- **Alkaline** - Common household batteries found in clocks, toys, flashlights, & remotes - can be recycled during the annual HHW collection

Things to consider

- Buy rechargeable batteries. Two AA Ni-Cad rechargeable batteries can replace up to 600 single-use batteries.
- Consider portable products that rely on solar energy sources.

Paint Exchange Program

The Recycling Center houses the Paint Exchange Program. “Good paint” & “bad paint” are handled differently.

Good Paint

The facility will accept only GOOD and USABLE household hazardous materials, such as paint, paint thinners, polyurethanes, and wood stains. The good paint is provided FREE to the public. Materials are only accepted during hours of operation.

Bad Paint

Hard-dried paint may be placed in your garbage to go to the landfill. If you have bad paint, mix cat litter to speed up the drying and place it in your garbage.

Empty, wiped-out paint containers can be recycled at the Recycling Center. The Recycling Center also accepts empty aerosol cans.



Medical Sharps Disposal

Why shouldn't I throw away needles in my garbage?

An improperly disposed needle, syringe, or lancet can pose serious health hazards to the public, garbage haulers, recyclers, and landfill and wastewater employees.

Using the Household Sharps Program

Residents can drop off medical “sharps”: syringes, needles, and lancets used for administering medication in households at the Recycling Center. There is no fee, but participants must follow some simple rules to ensure the safety of everyone involved.

- Sharps should be placed in an approved sharps container. You can request a free, red sharps container from the Recycling Center. These containers are shatter and leak proof as well as puncture resistant.
- They should NEVER be placed in plastic bottles, liquid detergent containers, glass containers, or coffee cans. These will not be accepted.



Yard Waste, Wood Waste, & Mulch

What should I do with yard waste?

You can bring yard waste to the Recycling Center, including leaves, grass, soft garden waste, weeds, and sod stripping. No pet waste or bedding, please. Also, no food waste.

When hauling yard waste, unload it at the specified locations. Limit 1 load per day, per household. Make sure not to mix wood waste (such as tree branches) and yard waste.

Can I bring wood waste?

A limited amount of wood waste, such as tree branches, can be dropped off at the Recycling Center. It must be separated from yard waste. And it cannot be stacked higher than the truck bed.

Is mulch available?

Yes, mulch is available from the Recycling Center for a small fee.

For large hauls of yard waste and wood waste, PLEASE take these to the Landfill or other seasonal site. Check in with the Landfill scale officer.



The Vermillion Landfill

What can I take to the Landfill?

The landfill is located on Bluff Road, 4 miles north of Vermillion. The landfill is expected to provide solid waste disposal until approximately 2080. See the landfill fee schedule on page 25 and online at www.vermillion.us/215/Landfill.

They Accept:

- Appliances
- Asbestos
- Electronics for recycling
- Garbage/municipal waste
- Petroleum-contaminated soils
- Scrap metals
- Tires
- Wood – tree branches & untreated lumber

31426 Bluff Rd.

Directions: From SD Hwy. 50 Bypass, turn north on SD Hwy. 19 and drive 1.3 miles. Turn west (left) onto Bluff Rd. about 2.6 miles. Turn right at the landfill entrance and drive up the road.

Open: Mon.-Fri. 8:00 am-4:30 pm
Sat. (April - August) 8:00 am-noon

For assistance in Vermillion, call 605-677-7059

Appliance Recycling

What is accepted as an appliance?

Appliances are items you might use to cook or clean with, as opposed to electronics, which are mainly items you communicate with or use for entertainment. Accepted items include:

stoves

refrigerators

microwaves

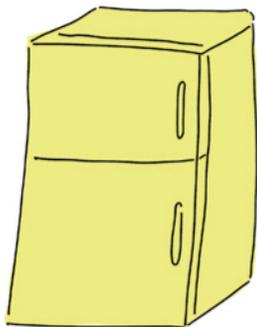
dishwashers

laundry washers and dryers

hot water heaters

water softeners.

For recycling smaller items, such as blenders, coffeemakers, and toasters, ask your hauler how to properly dispose of them.



Landfill Refuse Voucher

Look for landfill refuse voucher coupons once a year in the local papers or you can pick one up at City Hall, the Public Library, and the Clay County Courthouse. Vouchers provide up to \$12 value and expire November 30th of each year.

Electronics Recycling

Why recycle electronics?

Electronics should be recycled because they often contain heavy metals and harmful chemicals. In addition, various components of electronics can be reused or recycled. They also take up valuable space in the landfill.

What electronics are accepted at the landfill?

Televisions (any type/size)	Telephones (corded & cordless)
Monitors	Calculators
CPUs (computer towers)	VCRs, DVD players
Hard drives/USB hardware	Stereos
Laptops	Video game consoles & controllers
Printers	Cameras/camcorders
Scanners	UPS (interruptible power supply)
Copiers	back up
FAX machines	Power adapters
Keyboards & mice	
Paper shredders	
Modems & cable boxes	
Cell phones & tablets	



Electronics Recycling Fees

Why is there a fee to recycle electronics?

The Solid Waste Department must pay a recycler to process and recycle electronics safely. Hazardous materials, such as lead and mercury, are removed. Glass and plastics are separated. Each material is then sent back into the manufacturing loop and all of this takes money.

*Prices current as of Sept. 2019 but change periodically depending on the recycler.

Fees* for Electronics Recycling

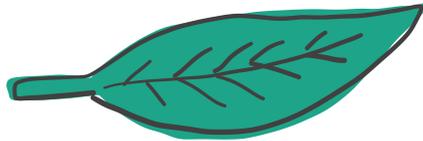
Televisions	\$ 15 sm/ \$20 med / \$25 lg
Monitors	\$ 10
CPUs/Towers	\$ 6
Printers (small)	\$ 5
Printers (large)	\$ 8
Laptops	\$ 10
Scanners	\$ 6
FAX machines	\$ 6
Keyboards	Free
Cell phones	Free
VCRs	\$ 6
Stereo	\$ 5 sm / \$10 med / \$20 lg
Copiers (table top)	\$ 15
Copiers (floor)	\$ 65
Microwave ovens	\$ 5
UPS back-ups	\$ 0.25 per lb

Indoor Water Conservation

- Only run dishwashers and washing machines with full loads.
- Do not leave the water running while washing dishes by hand.
- Use low-flow shower heads and install faucet aerators.
- Check toilets for leaks and replace any toilets dated before 1992. Consider a dual-flush (3 or 6 liters) toilet and save up to 68%.

Outdoor Water Conservation

- Water your lawn in the early morning to reduce evaporation and lawn diseases.
- Avoid over-watering and adjust sprinklers to only water your lawn, not your sidewalk and driveway.
- In general, 1 inch of water per week is all that is needed for established lawns to stay green and healthy.
- Mow your grass high and often. Let cut grass remain on your lawn to shade the soil, prevent moisture loss, and provide beneficial nutrients.



Pharmaceutical Disposal

Why shouldn't I throw unused drugs away?

Over-the-counter medications and prescription drugs should NOT be thrown in the trash or flushed down the drain. Either way, they can enter the environment and contaminate our water supplies. They can also potentially affect natural hormones and the development of wildlife and humans who drink that water.

How can I properly dispose of unused pharmaceuticals?

Take your old pills to the Vermillion Police Department at 15 N. Washington St. for proper disposal in the locked container located in the lobby.



Adopt-a-Drain

Did you know that the city's storm drains lead directly to the Vermillion River?

To avoid contamination of our water, don't dump anything other than water into the storm sewer. Greening Vermillion sponsors the Adopt-a-Drain program, where citizens or businesses can "adopt" a storm sewer drain that is decorated artistically and reminds us that the sewer drains into the river. Contact Greening Vermillion if you would like to adopt a drain (see www.greeningvermillion.org).



Energy-Saving Tips

What is “Phantom Load”?

This is the energy that is being used while an appliance or charging cord is powered off but still plugged into the outlet. In other words, items that are plugged in are still using energy. Unplug any appliances or charging cords for computers or phones when you are finished with them.

Other Energy-Saving Tips

- Switch your light bulbs to LEDs
- Turn off lights when not in use or where you have natural light
- Turn off appliances when not in use, such as televisions, speakers, & computers
- Keep windows and exterior doors closed when heat & the AC are in use
- Use a fan to cool a room before turning down the thermostat
- Close blinds or curtains on hot days to reduce room temperature
- Open blinds or curtains on cool/cold days to allow in sunshine to increase the room temperature
- Use less hot water: wash your clothes in cold water and take shorter & cooler showers

Reusable Items

What is the difference between “reuse” and “recycle”?

Reusing is simply using an item more than once, whether for the same purpose or for a new purpose. Recycling involves the breaking down of items into their raw components. These components are then made into new materials. By taking useful products and reusing them, reprocessing, time, money, energy, and resources are saved.

What can I do with items I no longer use and want?

- Donate them.
- Sell them at a yard-sale or an online site, like Vermillion SD Online Rummage Sale or my.freecycle.org.
- Turn them into something new.

Where can I donate used items?

- **The Vermillion Civic Council Thrift Store** (see next page)
- **The Salvation Army** (<http://satruck.org/donate/choose>)
- **Habitat for Humanity ReStore** located in Sioux Falls and Sioux City. The ReStore accepts and sells building materials, as well as quality office furniture, cabinetry, plumbing, light fixtures, and many other goods.

Donate/purchase reusable items



Vermillion Civic Council Thrift Store

17 Market Street

605-624-3923

Donate gently used merchandise during business drop-off hours. PLEASE do not donate anything you would not want to buy back. The "Civ" has been a community organization for over 90 years! If you have questions about what they take, please call.

Drop-off hours: Tues. - Fri. 9:00 am - 4:00 pm & Sat. 9:00 am - 3:30 pm

Drop-off location: in the alley behind the store. An attendant will assist you.

Don't forget to check out the shop for merchandise to purchase and reuse. The store recycles unsold books, magazines, clothing, metal, and clear glass.

The Civic Council is a non-profit business with portions of the sales given to the community in many forms, from grants to scholarships.

Vermillion Area Farmers Market

The Vermillion Area Farmers Market (VAFM) promotes locally grown produce, grain, dairy, and other food items as well as local artisan crafts. The VAFM provides opportunities for local producers and local craftspeople to sell to local consumers. The VAFM also provides education to the public about agricultural products and concerns and the benefits of locally grown and organic foods.

The VAFM has markets year round, so check out their website (vafm.wordpress.com), send them an e-mail (vafarmersmarket@gmail.com), or phone 605-857-3213.

Summer Markets

Thursday. From 3 - 7 pm, from mid-May to October. Located at the Clay County Fairgrounds, on the corner of High and Cherry streets.

Saturday. From 9 am - noon, from June through September. Located in downtown Vermillion on The Platz, on the corner of Market and Main streets.

Winter Markets

Occur on the 3rd Saturday of every month over the winter from 10 am - 1 pm. Located in the Clay County Extension/4H Building, 515 High St.

Say NO to single-use plastic bags

Did you know...

- About 8% of the world's oil goes toward plastic production!
- We use an estimated 1 trillion single-use bags a year worldwide!
- Typically discarded within 24 hours, single-use bags have a lifespan of up to 1,000 years!
- Millions of bags per year end up as litter on land and in water!

Yet, there is an easy solution: use a reusable bag rather than a single-use bag. Greening Vermillion's Bring Your Bag campaign seeks to create a plastic-bag-free Vermillion. We encourage all to say NO to single-use plastic bags and YES to reusable bags.

Vermillion's grocery stores will take your single-use bags.

Please join us.



Greening Vermillion

Greening Vermillion (GV) aims to help Vermillion grow through projects that bring people together to conserve natural resources. As a nonprofit, GV unites government agencies, USD, community organizations, businesses, and individuals to create energy-efficient and sustainable practices, programs, and regulations for Vermillion and Clay County.

Making Vermillion the greenest town in South Dakota.

Website: www.greeningvermillion.org
Email: GreeningVermillion@gmail.com
Phone: 605-659-1889
Facebook: Greening Vermillion



Have a **GREEN** idea? Contact us!

REDUCE YOUR WASTE

Reusable Bags &
Produce Bags

Shop Ethical
Brands

Buy Second
Hand

Try To Fix It

Eat More Whole
Foods &
Package-Free
Options

Store Food
W/O Plastic

Refillable
Options

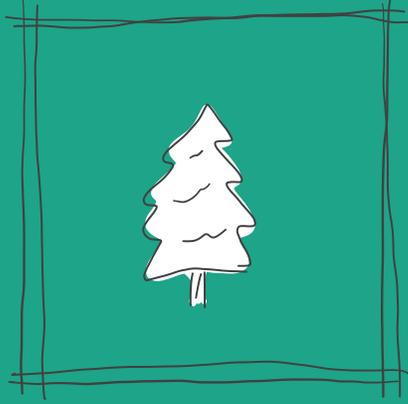
Biodegradable
Options

Learn To Compost

Reusable
Not Disposable

Pack Your
Own Lunch





Thank You

Together, we can solve big problems

This guide was made possible by a grant from the South Dakota Community Foundation to Greening Vermillion.

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