

City of White Bear Lake Environmental Advisory Commission

AGENDA

Date: December 15, 2021

Time: 6:30pm

Location: City Hall

- 1. CALL TO ORDER** **6:30pm**
- 2. APPROVAL OF AGENDA**
- 3. APPROVAL OF MINUTES** **6:35pm**
 - a) November 17, 2021 regular meeting
- 4. VISITORS & PRESENTATIONS**

Nick Voss, Vadnais Lake Area Water Management Organization – MS4 partnership
- 5. UNFINISHED BUSINESS** **7:10pm**
 - a) 2021 budget
 - b) 2021 work plan
 - c) 2022 draft work plan
- 6. NEW BUSINESS** **7:40pm**
 - a) Officer elections
- 7. DISCUSSION** **7:50pm**
 - a) Staff updates
 - Environmental updates memo to Council
 - Priebe Lake outlet replacement
 - b) Commission member updates
 - c) Do-outs
 - d) January agenda
- 8. ADJOURNMENT** **8:00pm**

[Please notify us at least one day before the meeting if you are unable to attend](#)



City of White Bear Lake
City Engineer's Office

MEMORANDUM

To: Environmental Advisory Commission
From: Connie Taillon, Environmental Specialist/Water Resources Engineer
Date: December 10, 2021
Subject: Staff Memo – Action Items for the December 15, 2021 EAC Meeting

4. Visitors and Presentations Nick Voss, VLAWMO – MS4 partnership

VLAWMO invites the EAC to review and comment on a series of draft MS4 education materials on the topics of smart salting, illegal dumping, and pet waste.

Action: Review the attached educational materials and provide comments at the meeting. Some items for consideration as you review the documents:

- What edits, phrases, or imagery would best serve someone with no previous knowledge of the subject?
- What creates a positive and encouraging message?
- Consideration of editing existing documents into door hanger formats
- Consideration of where and how to disperse the various educational materials: image graphics on WBL website, FB, Expo hand-outs, etc. Are some documents best suited to certain outlets?
- Including both a phone number to call as well as a website link to report illicit discharge/illegal dumping. Consideration of accessibility, technology, and convenience.

Other items for your consideration and discussion

- Recruit the WBL high school environmental club as well as EAC/ VLAWMO volunteers for new demonstration photographs of water-friendly behaviors. Similar to Adopt-a-Drain activities from November VLAWMO discussion - identifying key locations and photographing action shots. MS4 permit requirements expands this to pet waste, smart salting, and yardwaste disposal.
- Brainstorm a list of businesses/residents/non-profits for 'Spotlight on Sustainability' articles covering a range of topics (recycling, stormwater, energy, water use/irrigation, etc.).

5. UNFINISHED BUSINESS

a) 2021 budget

The 2021 budget is included in the packet.

Action: Review the 2021 budget and discuss purchasing seed packets before the end of the year.

b) 2021 Work Plan

The 2021 work plan is included in the packet.

Action: Continue to discuss current projects.

6. NEW BUSINESS

a) 2022 Draft Work Plan

The 2022 draft work plan is included in the packet.

Action: Begin discussing priority initiatives for 2022. The presentation to City Council and a field trip to the Recycling and Energy Center has been added to the 2022 draft work plan. Consider reviewing the GreenStep Cities “29 best practices” for additional ideas: <https://greenstep.pca.state.mn.us/best-practices>

Illicit Discharge is Illegal Dumping



Keep out of drains and ditches:

Oil, paint, grease, chemicals, pool water, grass clippings, fertilizer, pesticides, leaves and other yard debris, water softener salt, trash, scrap metal, mop bucket/carpet cleaning water, or construction debris/concrete wastewater.

Irresponsible dumping goes directly to our lakes, streams, and wetlands unfiltered. This causes damage, increases maintenance, and puts a burden of clean-up on public tax dollars.



What goes into drains:

Rain and snowmelt.

"Only rain down the drain"

Accountability is a community effort.

To anonymously report an illicit discharge, call (651) 429-8531 or visit www.whitebearlake.org/engineering/webform/report-illicit-discharge



How do I know if I see an illicit discharge?



Chattham County

Detecting illicit discharge:

- Residues, stains, odors, or unusual damage around stormdrains.
- Sediment running off of a construction site.
- Fowl smells gathered around storm outputs.
- Water flowing in roadside ditches or into stormdrains when it hasn't rained.
- Pipes or hoses directed into stormdrains or ditches.
- Piles of debris or trash in ditches, ponds, lakes, or wetlands.
- Spotting someone in the act. Kindly inform them that the drain leads to a waterbody. Many times people just aren't aware.

See reverse for responsible disposal.

Responsible disposal:

Contact Ramsey County Recycling & Waste for questions or more info.

Substance	Disposal
Oil, grease, and automotive liquids	Household Hazardous Waste (HHW) collection
Paint and paint thinners	Household Hazardous Waste (HHW) collection
Pet waste	Trash or sanitary sewer
Grass clippings, leaves, yard debris	Yard waste collection site or yard waste hauler service
Cleaning chemicals	Household Hazardous Waste (HHW) collection
Needles/syringes	Household Hazardous Waste (HHW) collection
Medicine	Medicine collection sites (i.e. police depts) - contact county
Water softener salt	Small amounts (single tank): Trash Large amount: Hauler service
Road salt/de-icer	Road salt/de-icer into trash or sweep-up and reuse
Pool/hot tub water	Chlorination stopped 1 week prior to discharge. Sanitary sewer or to upland soil surface
Pool/hot tub chemicals and filters	Household Hazardous Waste (HHW) collection
Mop bucket and carpet cleaning water	Sanitary sewer, filtered debris into trash
Building materials, cement, and construction/demolition waste	Contact trash hauler or seek a disposal company. Small amounts of wallboard/drywall/sheetrock in trash
Hardware: knobs, nails, bolts, etc.	Trash or scrap metal recycling facility
Scrap metal	Scrap metal recycling facility
Sawdust	Small amounts into trash or backyard compost (untreated)
Furniture and appliances	Bulky waste hauler service, search for individual appliance disposal options and contractors

Informal/homemade connections to the stormdrain system or ditches are also illicit discharges.

Reporting an illicit discharge:

- 1. Photograph.** Document the substance that's been dumped into a ditch, pond, or water conveyance system with a photo. (I.e. grass clippings, paint, automotive fluids, construction site run-off, cleaning substances, etc.). If a photo isn't possible, note the substance or what you expect the substance to be.
- 2. Think like a detective.** Document the specific location with a street, cross street, or cardinal directions of the ditch or stormdrain. Note the day and time as well as vehicle type or license plate.
- 3. Call** the City of White Bear Lake Engineering Department at (651) 429-8531 to report the infringement. If you're not sure if it's illegal dumping but suspect it, staff will investigate to determine the nature of the problem and pursue remediation and clean-up as necessary.
- 4. Celebrate your success!** Clean water is everyone's business and responsibility. Reporting may seem difficult or intimidating, but can be anonymous and is the responsible thing to do for the community, water quality, and wildlife.



Help Prevent Illegal Dumping



Keep out of drains:

- Oil, paint
- Chemicals, pool water
- Grass clippings, yard debris
- Water softener salt
- Trash
- Construction debris

What goes into drains:

Rain and snow melt.

“Only rain down the drain”

Accountability is a community effort.
To anonymously report an illicit discharge
infringement, call (651) 429-8531.

Illicit Discharge is Illegal Dumping



Keep out of drains/ditches:

Oil, paint, grease, chemicals, pool water, grass clippings, furniture, yard debris, water softener salt, trash, scrap metal, or construction debris. Informal/homemade connections to the stormdrain system are also illicit discharges. These go directly to our lakes, streams, and wetlands causing damage and a burden of clean-up costs on public tax dollars.



What goes into drains:

Rain and snowmelt.

"Only rain down the drain"

Accountability is a community effort.

To anonymously report an illicit discharge, call (651) 429-8531 or use the web form at:
whitebearlake.org/engineering/webform/report-illicit-discharge

Water Conservation Tips

What can we do to conserve water?

- ◆ Choose a sprinkler that disperses water low and in drops opposed to a high mist.
- ◆ Pay attention to rainfall and adjust watering schedules accordingly, in addition to odd/even watering days. Turf generally needs just 1"/week. Water in early morning/ evening.
- ◆ Consider allowing a dormant or slightly dormant "brown" look. Dormancy is a normal part of turf grass' annual cycle.
- ◆ Never water pavement. Stray irrigation heads are usually an easy fix, and sprinkler placement can always be strategic to keep water on the lawn.
- ◆ Mow lawn at 3" or more to encourage deeper roots that hold more moisture. This also buffers times of drought.
- ◆ Try introducing native plants, a bee lawn, sedge ground covers, or low-mow fescues.

Water conservation in the home:

- ◆ Keep a pitcher of cold water in the fridge to reduce time spent waiting for the faucet to change temperature.
- ◆ Try "army showers" that turn the water off when lathering, and aim for 3-5 minutes total.
- ◆ Check toilets and faucets for leaks often and make repairs quickly.
- ◆ Visit commercial car washes to send wash water and road gunk to a water treatment plant. Drive-way washing sends this material to local waterways. To be adventurous at home, try washing cars on the lawn.

More ways to help:

- ◆ Visit your local watershed website for more water tips and cost-share grants for yard and drainage improvements.
- ◆ Visit adopt-a-drain.org to adopt a nearby stormdrain and volunteer to keep it clean.

**ADOPT
A STORM
DRAIN**



Illicit Discharge Article – Template

Illicit discharge, or illegal dumping, is often a hidden offense and may even seem like no big deal – but it is a hazard for humans, the environment, and wildlife. Illicit discharge also hurts public infrastructure by increasing stress, demand, and maintenance costs onto local drainage systems.

So what exactly is it? Illicit discharge is a fancy phrase that boils down to “only rain down the drain.” Stormdrains and ditches are designed for stormwater runoff, and there is no treatment facility between the street and the end destination – a lake, stream, or wetland.

This means that everyone has the potential to protect water and infrastructure from anywhere in [City/Township name]. Examples of illicit discharge include:

- Trash, furniture, or construction debris such as drywall mud
 - Chemicals, paint, or water softener salt
 - Grass and lawn care clippings
 - Mop bucket water, carpet cleaning water, or pool water
- Visit County Hazardous Waste for more info on proper disposal.

What to look for to be an illicit discharge detective:

- Residues, stains, odors, or unusual damage on street surfaces or around stormdrains
- Sediment running off of a construction site (this isn't natural erosion)
- Fowl smells gathered around outputs (natural algae or oils would be more widespread)
- Water flowing in ditches or stormdrains when it hasn't rained
- Pipes or hoses directed to stormdrains
- Piles of debris or trash in ditches, ponds, or wetlands
- Catching someone in the act. Kindly educate them by informing them that the drain leads directly to a waterbody. Many times people just aren't aware.

Steps for reporting an illicit discharge event:

1. **Photograph.** Document the substance that's been dumped into a ditch, pond, or water conveyance system with a photo. (I.e. grass clippings, paint, automotive fluids, construction site run-off, cleaning substances, etc.). If a photo isn't possible, note the substance or what you expect the substance to be.
2. **Think like a detective.** Document the specific location with a street, cross street, or directions of the ditch or stormdrain in reference to the street/intersection. Note the day and time as well as any vehicle or license plate information.
3. **Call** the [City/Township] at (###) ###-#### to report. If you're not sure if it's illegal dumping but suspect it, staff will investigate to determine the nature of the problem. Staff will pursue remediation and clean-up as necessary.
4. Celebrate your success! Clean water is everyone's business and responsibility. Reporting may seem difficult or intimidating, but all reports are made anonymously. Reporting an illicit discharge is responsible thing to do for the community.



Pet waste isn't harmless

Pets are more numerous than wildlife, with high *E. coli* and denser nutrient waste.

Help us keep people safe and water clean:

- Pick-up waste ASAP instead of letting it sit.
- Practice responsible habits: Always bring a doggie-bag on walks.
- Tell a friend that freshwater needs our help to balance nutrient and bacteria levels.

For more tips and info on the harms of pet waste visit www.vlawmo.org/residents

Photo: ClearWater MN

A golden retriever is lying on a grassy area. In the background, a person is partially visible in a wheelchair. A blue fairy illustration with wings and a wand is positioned near the text.

There is no poop fairy.

What's wrong with pet waste?

- Unlike wildlife waste, pet waste is nutrient dense. Cities and towns have lots of pets, and these excess nutrients harm local lakes and wetlands by producing excess algae.
- Excess algae poses risks for toxic algae blooms and impairs water quality for wildlife and people (fishing, recreation, etc.).
- Since pet waste is so rich in nutrients, it can take a single pile up to a year to break down.
- Pet waste contains harmful bacteria and parasites that can make people and pets sick.
- Pet waste could ruin someone's day in just one unlucky step!



Help keep people safe & water clean:

Don't wait: More time on the ground is more opportunity to contaminate lakes, streams, and wetlands.

Remember to bring a baggie when going out for walks or to a park.

Scoop it, bag it, trash it.



Water Conservation Tips

What can we do to conserve water?

- ◆ Choose a sprinkler that disperses water low and in drops opposed to a high mist.
- ◆ Pay attention to rainfall and adjust watering schedules accordingly, in addition to odd/even watering days. Turf generally needs just 1"/week. Water in early morning/ evening.
- ◆ Consider allowing a dormant or slightly dormant "brown" look. Dormancy is a normal part of turf grass' annual cycle.
- ◆ Never water pavement. Stray irrigation heads are often an easy fix, and sprinkler placement can always try to keep water on the lawn.
- ◆ Mow lawn at 3" or more to encourage deeper roots that hold more moisture. This also buffers times of drought.
- ◆ Try introducing native plants, a bee lawn, sedge ground covers, or low-mow fescues.

Water conservation in the home:

- ◆ Keep a pitcher of cold water in the fridge to reduce time spent waiting for the faucet to change temperature.
- ◆ Try "army showers" that turn the water off when lathering, and aim for 3-5 minutes total.
- ◆ Check toilets and faucets for leaks often and make repairs quickly.
- ◆ Visit commercial car washes to send wash water and road gunk to a water treatment plant. Driveway washing sends this material to local waterways. To be adventurous at home, try washing cars on the lawn.

Other ways to help:

- ◆ Visit your local watershed website for more water tips and cost-share grants for yard and drainage improvements.
- ◆ Visit adopt-a-drain.org to adopt a nearby stormdrain and volunteer to keep it clean.

**ADOPT
A STORM
DRAIN**



Pet Waste: Good Habits and Better Training

Dog waste may seem innocent. You may be intending to pick it up from the yard later on, or it might even be that rare exception where you forgot a bag.

Whatever the case, it's actually an important health issue not to be taken lightly. The most common misconception is that pet waste is natural, or that it'll break down. This is false because dog waste is not like wildlife waste. Due to quality diets and immunizations, waste is denser in nutrients, carries harmful pathogens, and can take up to a year to fully break-down. Dogs are also much more numerous where their people are, making neighborhoods and parks nutrient hot-spots.

One hundred average-sized dogs can produce up to 27,375 lbs of waste annually, and the average City population is 6,200 people. If the national average for dog ownership is 38%, that amounts to about 2,356 dogs per city. At 27,375 lbs of waste annually for 100 dogs, this 2,356 dogs per city estimate tallies up to a projected 235,425 lbs of waste annually. However you do the math, it's a whole lot, and an estimated 40% of pet waste in the US is not picked-up.

When a doo-doo is neglected, sun and rain will leach nutrients from the drop zone for as long as it stays there or until it's picked up. The waste can flow off of pavement as well as grass, and is carried to the nearest lake, stream, or wetland. This is a health hazard for humans and animals alike, and brings excess algae-fueling nutrients into the aquatic habitat.

Clean water and healthy yards are a matter of practicing good habits and proper training. In three easy steps we can safeguard our water, fish, pets, and human community: Bring a bag, pick it up, toss it in the trash. **The [City/Township] provides pet waste pick-up stations at [park names].**

For more information and resources, visit vlawmo.org/residents.

'Smart Salting' protects local water & streets.



Smart Salting Tips:

- Shovel and scrape before placing a product
- Use the appropriate product according to temperature
- Spread salt 3" apart with no overlapping grains
- Never place salt/de-icer onto loose snow
- More salt doesn't melt ice faster
- Sweep up salt or sand if surface is dry

For more tips and resources visit www.wlwm.org/residents

Photo: GreenWater MN

'Smart Salting' protects local water & streets.



Clean Water MN

Smart salting, good habits:

- Use tools first: Shovel, scraper, or broom.
- Disperse salt or other de-icers evenly without piles. The goal is not to form a blanket, but to break the bonds of ice/compacted snow.
- Once salt crystals infiltrate the ice/compacted snow, a scraper can chop and scrape the surface. Shoveling off the ice chunks reduces the need to re-apply. Salt that's diluted with meltwater becomes less effective; re-freezing occurs and raises the risk for falls.
- More product doesn't mean faster results: The chemical reaction depends on temperature.
- Excess product remains in meltwater and runoff.
- Never apply de-icers to dry pavement or loose snow.
- Sweep up extra salt and sand.



Help us keep surfaces safe & water clean.

1 teaspoon of salt permanently pollutes 5 gallons of freshwater.

Chlorides found in road salt are harmful to wildlife, soil, and groundwater. They also disrupt the seasonal lake cycles that make our lakes enjoyable, and corrode cars, bridges, and streets.

Shovel - Select - Scatter - Sweep

See reverse for how to accomplish safe surfaces while reducing excess.



1: Shovel

- ◆ Store shovels and tools in convenient locations before winter weather strikes. Consider both a scoop and push shovel for maximum preparedness.

2: Select

- ◆ Select a de-icing product carefully depending on temperature, and allow for the expected melt time. Use sand or grit for temporary traction.

Pavement temp. °F	Rock salt (NaCl) melt times	
30°	5 min.	
25°	10 min.	
20°	20 min.	
15°	1 hour	
10°	N/A → Dry salt is ineffective and will blow away before it melts ice.	
Chemical: check package	Lowest practical melting temp.	Sand and abrasives provide traction but don't melt. Clean-up required.
CaCl ₂ (Calcium Chloride)	-20 °F	
KAc (Potassium Acetate)	-15 °F	
MgCl ₂ (Magnesium Chloride)	-10 °F	
NaCl (Sodium Chloride/rock salt)	15 °F	
CMA (Calcium Magnesium Acetate)	20 °F	
Blends	Check with manufacturer	

3: Scatter

- ◆ Use salt only where it's critical, striving for 3" between crystals. Plan ahead and practice to make smart estimates quick and easy.
- ◆ Plan ahead for the space you expect to maintain during the winter, and keep a 12-oz cup in a convenient place with the salt storage.
- ◆ Cover storage buckets or store salt indoors to keep dry.



12-oz coffee mug	Sidewalk squares	Driveway length	Square feet
1/2 mug	5	~10'	500 ft ²
1 mug	10	~20'	1,000 ft ²

4: Sweep

- ◆ Sweep up extra salt, sand, and grit. Salt and grit can be reused, but sand will likely lose its traction and should be thrown in the trash.

For videos and more resources visit vlawmo.org/residents

Winter Maintenance: Thinking ahead to bypass the headache

Winter maintenance is an important topic because a variety of contractors, homeowners, and building staff do it out of necessity. With all of this representation, a shared understanding of the methods is key. Across the Twin Cities, many communities are striving to provide safe surfaces while also protecting freshwater. Here's what you need to know to do your part on small sites such as driveways, sidewalks, and parking lots.

The outline:

- Remove snow and ice first
- Select materials and products based on temperature
- Apply de-icer at the proper amounts and using the proper spread pattern
- Understand how over application affects infrastructure and the environment

Remove snow and ice first: A cleared surface allows us to use de-icers at a much lower volume with higher effectiveness.

- Why not just throw a de-icer on snowy steps or sidewalks, especially if you're in a hurry? This will actually create an icy, slushy situation that will risk re-freezing and require more clean-up later.
- Early removal of snow reduces the chances of an icy, compacted surface.
- Ongoing sweeping and shoveling during a storm is also a great way to reduce layers of slush and compaction, and reduces the strenuousness of the shoveling after a storm. Do not apply de-icer during a storm.

Select materials and products based on conditions:

- If the temperature goes below 15°F, regular rock salt will be ineffective and risk getting lost into the environment. At temperatures below 15°F, use magnesium chloride, calcium chloride (check directions on package), or use sand for traction. After the storm, temperature often drops. Planning ahead by knowing what strategy you'll take helps to avoid a desperate situation of over application.
- More de-icer doesn't melt ice any faster.
- When salt, sand, or grit is on bare pavement, it should always be swept up. Used sand will have lost its traction, and should be thrown in the trash.
- If it's a warm day and surfaces look wet, it is best to not use de-icers. This will only contribute to run-off and wasted product. If traction is needed in these situations, use sand or grit.

Measure and apply the proper amounts:

- 1 heaping coffee mug holds about 1 lb of de-icer. Get into the habit of estimating the size of the area you'll treat before it's urgent. Gather and organize tools so that smart choices are easy in the moment.
- An average parking space is about 150 sq ft, which would need about 1/2 of a coffee mug.
- A typical sidewalk curb-cut is about 60 sq ft, which would require about ¼ of a coffee mug.

- If you don't know the size of an area, strive for the proper spread pattern of no overlapping granules, 3" between granules, and even distribution. A hand spreader device works great to spread product evenly, and avoids using extra material.
- Place hand spreader devices, shovels, and an ice chip at the doorways for maintenance staff to conveniently practice the proper method and save time and money.

How over application impacts roads, sidewalks, and the environment:

- Because salt is highly corrosive, it damages public structures like pavement, curb and gutters, bridges and bridge rebar, public water valves, and everybody's cars and trucks. Salt runoff from any property can speed up the damages, eventually requiring thousands of dollars in repairs up to decades before their projected lifespan.
- Everything that occurs on land affects water quality in lakes, streams, and even wetlands, and salt impacts are nearly irreversible with no economical way to undo them.
- Chloride (salt) pollution is permanent in freshwater, with no economical way to remove it.
- Chloride pollution may flush out of some waterbodies, and may stick in others. Chlorides impact nutrient cycling in lakes and harms the freshwater ecosystem, and can even gather in soil and shorelines. This is known as "legacy salt" and can seep out of soil and wetlands decades later.
- 1 less teaspoon of salt protects 5 gallons of water, and 50 lbs less salt protects 10,000 gallons of water.
- Impaired lakes and groundwater contamination is a real risk. Everyone who participates in winter maintenance has a part to play.

Smart Salting is an ongoing pursuit of learning and communicating, and it takes practice. With your help, the long-term future of our freshwater resources. Look for contractors and service providers certified in Smart Salting, or kindly confront excessive de-icer use by directing the user to the MPCA Smart Salting website or to your local watershed.

EAC 2021 Budget

Budget for 2021	\$500.00
Expenditures:	
2 feather flags	\$331.02
TOTAL REMAINING	\$168.98

Potential Budget Items for 2021

2 Expo signs @ ~\$300

Reusable bags

1 Rain barrel

Expo exhibit improvements

Reusable Bag Websites

WBL company: <https://www.nimblepromo.com/pd/TPXPM-MKKSV/atlas-non-woven-grocery-tote>

Recycling promotions company in MN:

<https://www.recyclingpromotions.us/catalogsearch/result/?q=tote+bag>

MN company with eco options: <https://www.wedothatpromotions.com/bagseco.htm>

Stillwater, MN: <https://promoridge.com/ProductResults/?SearchTerms=Totes>

Cheap and I believe you can find made in USA products:

<https://www.4imprint.com/search/tote%20bags>

Ideas

Rain barrel giveaway

Milkweed seeds for residents – *purchased in 2020*

Storm drain stenciling/adopt a storm drain program

Handouts for the expo

Rebates (solar, LED's organics bags, plants, toilets, energy audits, etc.

Attend workshops

Complementary energy audit

Environmental Advisory Commission 2021 Work Plan

Month	Recurrent Agenda Items	Activities/Events /Speakers
January	<ul style="list-style-type: none"> • Environmental Resource Expo planning • Priority goal(s) planning 	
February	<ul style="list-style-type: none"> • Spring newsletter articles - adopt a drain & spotlight on sustainability • Environmental Resource Expo planning • High priority goals 	
March	<ul style="list-style-type: none"> • Environmental Resource Expo planning • High priority goals • National Mayor's Water Challenge • Discuss upcoming annual SWPPP meeting 	<p>Street Project discussion</p> <p>SWMP discussion</p>
April	<ul style="list-style-type: none"> • Environmental Resource Expo planning • High priority goals 	
May	<ul style="list-style-type: none"> • Environmental Resource Expo planning • High priority goals 	
June	<ul style="list-style-type: none"> • Environmental Resource Expo planning • High priority goals 	
July	<ul style="list-style-type: none"> • Environmental Resource Expo planning • High priority goals 	
August	<ul style="list-style-type: none"> • No official meeting this month 	<p>Environmental Resource Expo, Aug 6th</p>
September	<ul style="list-style-type: none"> • 2021 Work Plan • Volunteer Recognition Dinner slide show ideas • Prepare for joint meeting with Parks Commission 	
October	<ul style="list-style-type: none"> • 2021 Work Plan • Commission Officer Election – Chair, Vice-Chair • Prepare for joint meeting with Parks Commission 	
November	<ul style="list-style-type: none"> • Joint meeting with Parks Commission 	
December	<ul style="list-style-type: none"> • Approve 2021 Work Plan 	<p>Holiday Treats</p>

High Priority Goals for 2021

- Plastic bag ordinance
- Zero waste events
- Pollinator plantings
- DT area recycling
- Reducing contamination in recycling (scrap metal, batteries, plastic bags) – staff request

Other goals

- Solar on buildings
- IDDE lawn clippings and trash
- Partnering with Xcel Energy on special projects
- Salt management education
- Expo exhibit upgrades: tent weights, banner, battery powered lawn equipment display
- Promote high quality of drinking water (reduce bottled water use)
- Enforcement of water ordinance and illicit discharge ordinance (grass clippings)– door hangers, etc
- EAC duties/goals
- Restaurant composting
- Pollinator garden tours/promotion/map of gardens
- Shoreview water smart app
- Microplastics
- Drinking water quality
- Enforcement of water ordinance and illicit discharge ordinance (grass clippings)– door hangers, etc

Climate Smart Municipalities topics

- Community solar and solar panels on City buildings
- Charge for plastic bags
- Single use plastics
- Climate change resolution
- Partner with Xcel Energy for Projects
- Air quality-lawn equipment (City and private).
- Energy focus, specifically renewables

Ramsey County Solid Waste Master Plan topics

- Curbside collection of bulky items for recycling
- Inclusion of small businesses in City recycling service
- Textile recycling (curbside, special collection, or drop-off) – required by 2019

MS4 Permit topics

- Salt management education

Current initiatives

LED lighting in City Hall, Public Safety, and Public Works

EV chargers in DT parking lots

Fleet vehicle analysis

Climate Action Steering Committee

Environmental Advisory Commission 2022 Work Plan - DRAFT

Month	Recurrent Agenda Items	Activities/Events /Speakers
January	<ul style="list-style-type: none"> Environmental Resource Expo planning Priority goal(s) planning 	Vadnais Heights Park, Recreation, and Trails Commission
February	<ul style="list-style-type: none"> Spring newsletter articles - adopt a drain & spotlight on sustainability Environmental Resource Expo planning High priority goals 	Prairie City USA
March	<ul style="list-style-type: none"> Environmental Resource Expo planning High priority goals National Mayor's Water Challenge Discuss upcoming annual SWPPP meeting 	<p style="color: red;">Street Project discussion</p> <p style="color: red;">SWMP discussion</p>
April	<ul style="list-style-type: none"> Environmental Resource Expo planning High priority goals 	
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July	<ul style="list-style-type: none"> Environmental Resource Expo planning High priority goals 	Environmental Resource Expo, July XX
August	<ul style="list-style-type: none"> No official meeting this month 	
September	<ul style="list-style-type: none"> 2023 Work Plan Volunteer Recognition Dinner slide show ideas Prepare for joint meeting with Parks Commission 	R&E Center Tour (when?)
October	<ul style="list-style-type: none"> 2023 Work Plan Commission Officer Election – Chair, Vice-Chair Prepare for joint meeting with Parks Commission 	
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High Priority Goals for 2022

- Presentation to City Council (introductions, past accomplishments, upcoming initiatives)

High Priority Goals from 2021

- Plastic bag ordinance
- Zero waste events
- Pollinator plantings
- DT area recycling
- Reducing contamination in recycling (scrap metal, batteries, plastic bags) – staff request

Other Goals

- No Mow May
- Solar on buildings
- IDDE lawn clippings and trash
- Partnering with Xcel Energy on special projects
- Salt management education
- Expo exhibit upgrades: tent weights, banner, battery powered lawn equipment display
- Promote high quality of drinking water (reduce bottled water use)
- Enforcement of water ordinance and illicit discharge ordinance (grass clippings)– door hangers, etc
- EAC duties/goals
- Restaurant composting
- Pollinator garden tours/promotion/map of gardens
- Shoreview water smart app
- Microplastics
- Drinking water quality
- Enforcement of water ordinance and illicit discharge ordinance (grass clippings)– door hangers, etc

Review GreenStep Cities website: <https://greenstep.pca.state.mn.us/best-practices>

Climate Smart Municipalities topics

- Community solar and solar panels on City buildings
- Charge for plastic bags
- Single use plastics
- Climate change resolution
- Partner with Xcel Energy for Projects
- Air quality-lawn equipment (City and private).
- Energy focus, specifically renewables

Ramsey County Solid Waste Master Plan topics

- Curbside collection of bulky items for recycling
- Inclusion of small businesses in City recycling service
- Textile recycling (curbside, special collection, or drop-off) – required by 2019

MS4 Permit topics

- Salt management education
- Dog waste

Current initiatives

LED lighting in City Hall, Public Safety, and Public Works

EV chargers in DT parking lots

Fleet vehicle analysis

Climate Action Steering Committee

Sports Center Upgrades and solar



City of White Bear Lake
City Engineer's Office

MEMORANDUM

To: Ellen Hiniker, City Manager

From: Connie Taillon, Environmental Specialist/Water Resources Engineer

Date: December 8, 2021

Subject: **Environmental Updates**

MN DNR CONSERVATION PARTNERS LEGACY GRANT

A grant from the MN DNR Natural Resources Conservation Partners Legacy Grant Program enabled VLAWMO and its partners to begin restoration in 2019 of a degraded upland woodland habitat on City property located in the northeast corner of 4th Street and Otter Lake Road. VLAWMO was recently awarded a second grant from the MN DNR Natural Resources Conservation Partners Legacy Grant Program to fund the enhancement of native plant species on the property. The City is partnering on this project and will provide staff time to help establish the plants and remove invasive species as needed.

RAINGARDEN AND SHORELINE MAINTENANCE

The City contracted with Natural Shore Technologies (NST) again in 2021 to maintain City owned raingardens and shoreline property. As part of this contract, NST also manages invasive species including Purple Loosestrife on the shoreline of Heiner's Pond, Lion's Park, and Vet's Park; and Japanese Knotweed on Heiner's Pond. Maintenance was expanded this year to include buckthorn and other invasives species removal along an additional 250 feet of shoreline on Heiner's pond.



NST staff weeding a raingarden at Matoska Park, summer 2021

Current Do-Outs

Commission Members

- ~~— Gary to create a spreadsheet of possible 2022 work plan goals~~
- Gary to invite Vadnais Heights Park, Recreation, and Trails Commission member to the January EAC meeting
- Gary to invite a Prairie City USA representative to February meeting
- Review GreenStep Cities list for 2022 work plan ideas
- Bonnie to add to token spreadsheet
- Gary to organize a potential buckthorn removal event with RWMWD and YMCA at the YMCA and Lakewood Hills Park
- Gary to contact Jake from Specialized Technologies to speak at a future EAC meeting

Staff

- ~~— Add Vadnais Heights Park, Recreation, and Trails Commission member to January 2022 agenda~~
- ~~— Add Prairie City USA to February 2022 agenda~~
- ~~— Email link to CSM presentation~~
- ~~— Email link to aquatic vegetation management meeting~~
- ~~— Email link to East Goose Lake web hub~~
- Request grant application from Ramsey County for DT recycling containers
- Check with PW to determine why there aren't trees in some of the cutouts on Banning
- Contact Ellen to get an update from the MPCA on the status of testing at County E and Bellaire
- Email air quality sensor info to Public Works
- Schedule tour of Newport facility at a date TBD
- Purchase compostable products for City events
- Add water use tracking app to CSM action items
- Show the WBAHS winning video at a future meeting
- Add AIS ID information to the website and update adopt a drain page
- Watershed district map (large scale with aerial photo)