

Environmental Quality and Energy Commission Meeting August 13, 2024 7:00 PM Fridley Civic Campus, 7071 University Ave N.E.

Agenda

Call to Order

Approval of Agenda

Approval of Meeting Minutes

<u>1.</u> Approve the Minutes from the Environmental Quality and Energy Commission meeting of May 14, 2024

New Business

2. 2025 Meeting Dates

Old Business

- <u>3.</u> Electric Vehicle Ordinance Language
- 4. Sylvan Hills Park Stormwater Improvements
- 5. Energy Action Plan Updates
- 6. Grant Updates
- 7. Outreach and Events Updates

Other Items

8. Informal Status Reports

Adjournment

Accessibility Notice:

- If you need free interpretation or translation assistance, please contact City staff.
- Si necesita ayuda de interpretación o traducción gratis, comuníquese con el personal de la ciudad.
- Yog tias koj xav tau kev pab txhais lus los sis txhais ntaub ntawv dawb, ces thov tiv tauj rau Lub Nroog cov neeg ua hauj lwm.
- Haddii aad u baahan tahay tarjumaad bilaash ah ama kaalmo tarjumaad, fadlan la xiriir shaqaalaha Magaalada.

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City of Fridley

Meeting Date: August 13, 2024 Meeting Type: Environmental Quality and Energy Commission

Submitted By: Rachel Workin, Environmental Planner

Title

Approve the Minutes from the Environmental Quality and Energy Commission meeting of May 14, 2024

Background

Approve the minutes from the Environmental Quality and Energy Commission meeting of May 14, 2024.

Recommendation

Approve the minutes from the Environmental Quality and Energy Commission meeting of May 14, 2024.

Attachments and Other Resources

• Environmental Quality and Energy Commission Minutes- May 14, 2024



ENVIRONMENTAL QUALITY & ENERGY COMMISSION MEETING May 14, 2024 7:00 PM Fridley Civic Campus, 7071 University Ave N.E.

MINUTES

Call to Order

Chair Klemz called the Environmental Quality and Energy Commission to order at 7:05 p.m.

Roll Call

Present: Aaron Klemz

Justin Foell

Sam Stoxen

Avonna Starck

Mark Hansen

Amy Dritz

Absent: Heidi Ferris

Others Present: Rachel Workin, Environmental Planner

Approval of Agenda

Commissioner Stoxen made a motion to approve the meeting agenda, seconded by Commissioner Hansen. The motion carried unanimously.

Approval of Meeting Minutes

1. Approval of March 12, 2024 Environmental Quality and Energy Commission Meeting Minutes

Commissioner Dritz made a motion to approve the March 12, 2024 meeting minutes, seconded by Commissioner Stoxen. The motion carried unanimously.

New Business

2. 2024 Meeting Schedule

Ms. Workin shared that she had heard from some Commissioners that they would not be able to attend the June or July meeting. It was recommended to cancel these meetings due to lack of quorum. Commissioner Hansen made a motion to cancel the June and July EQEC Meetings, seconded by Commissioner Foell. The motion carried unanimously.

3. Draft Electric Vehicle Ordinance Language

Ms. Workin shared draft language for electric vehicles and electric vehicle charging to be included in the new zoning chapters being put forth as part of the recodification process. The Commissioners asked

Item 1.

what the proposed financial impact would be and asked what this would have looked like for one of the City's new developments. No formal vote was taken.

4. Bike Locker Rental Policy

Ms. Workin shared a draft of the Bike Locker Rental Policy for the new bike lockers at 61st Avenue. Commissioner Hansen made a motion to adopt the policy, seconded by Commissioner Foell. The motion carried unanimously.

Old Business

5. Energy Action Plan updates

Ms. Workin shared that there will be a new service provider for the HES program pending contract negotiations with CenterPoint and Xcel Energy.

6. Grant Updates

Ms. Workin shared that the City was working on grant applications for the pollinator pathways grants, Moore Lake solar, and the 2024 Street Project. The City has been formally awarded stormwater grants for two hydrodynamics separators and Sylvan Hills Park as well as a Bike Fix It Station at Edgewater Gardens. The City also received additional grant funding for the water efficiency grant.

7. Outreach and Event updates

Ms. Workin shared that the HRA Open House was a successful event. The Environmental Game Night and Environmental Fun Fest are upcoming. Ms. Workin also shared that the City will be doing the sustainability bike tour on September 23rd. It will be advertised in the July and September newsletter. It will be about 8 miles.

Other Items

8. Informal Status Reports

No informal status reports were shared.

Adjournment

Commissioner Foell made a motion to adjourn the meeting, seconded by Commissioner Dritz. The motion carried unanimously. The meeting was adjourned at 8:30 p.m.

Respectfully submitted,

Rachel Workin Date: 2024.08.05 10:25:36 -05'00'

Rachel Workin Environmental Planner



Meeting Date: August 13, 2024 Meeting Type: Environmental Quality and Energy Commission

Submitted By: Rachel Workin, Environmental Planner

Title

2025 Meeting Dates

Background

Proposed 2024 meeting dates:

Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
14	11	11	8*	13	10	8	12	9	14	11	9

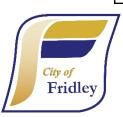
*Fridley Public Schools spring break is scheduled for March 31-April 4

Recommendation

Staff recommend the approval of the 2025 meeting dates.

Attachments and Other Resources





Meeting Date: August 13, 2024 Meeting Type: Environmental Quality and Energy Commission

Submitted By: Rachel Workin, Environmental Planner

Title

Electric Vehicle Ordinance Language

Background

The City of Fridley is updating its zoning code as part of a comprehensive recodification process. The City's code does not currently discuss electric vehicle charging. As electric vehicles (EVs) grow in market share, there will be an increasing need for electric vehicle supply equipment (EVSE). Staff are considering adding code language to prevent unintended negative impacts from EVSE and to influence equitable access to electric vehicle charging for all Fridley residents. It is estimated that approximately 80% of electric vehicle charging occurs at home. While single-family homeowners usually have the autonomy to install their own charging infrastructure or can use existing outlets within their garage, renters and owners within multi-family buildings often face barriers to modifying their parking areas to charge their vehicles. Inclusion of electric vehicle charging requirements for multi-family buildings was included as an action step within the City's approved Energy Action Plan.

Staff shared draft ordinance language at the May 14 EQEC meeting. The language was subsequently updated based on feedback from commissioners, the City's consultant, and input from a multi-family building developer.

Recommendation

Staff recommends approval of the attached draft ordinance as well as Table of EV Charging Space Requirements.

Attachments and Other Resources

• Draft Ordinance Language

631.07 Electric Vehicle Charging Stations (EVCS) Requirements

- 1. Level 1, 2 and 3 electric vehicle charging stations are allowed in all zoning districts.
- 2. Minimum Number of Required EVCS.
 - (a) A Level 1 accessible wall plug shall be required for charging an electric vehicle in one unit detached or two-unit dwellings.
 - (b) For residential developments of 3 or more units with new parking areas, adding more than 25% of additional parking spaces to existing parking areas, and existing parking areas being fully reconstructed by more than 25% of the parking area are subject to the standards of Table X:

Number Of Parking Spaces	Installed EV Charging Stations	EV-Ready Parking Spaces	Additional Requirements	
1 to 19	5% Level 1 or higher	20% Level 1 or higher		
20-49	5% Level 1 or higher	20% Level 1 or higher plus at least one Level 2 or higher	At least one accessible parking with access to an installed EV Charger	
50 or more	5% Level 1 or higher plus at least one Level 2 or higher	20% Level 1 or higher plus at least five Level 2 or higher	At least one accessible parking with access to an installed EV Charger	

- (c) If calculation results in a fraction, the next higher whole number shall be used.
- (d) For existing parking areas that are expanded or reconstructed (per Section X) by more than 25%, EVCS shall be provided at the minimum quantities required for the prorated number of parking spaces in the area of expansion or improvement.
- (e) Accessible Parking Spaces. An EVCS will be considered accessible if it can serve as an accessible parking space as defined and required by the ADA. It is not necessary to designate the EVCS exclusively for the use of vehicles parked in the accessible parking space and it shall not count toward required ADA parking requirements.
- (f) Reductions to EVSE requirements.

- (2) These requirements may be revised upward or downward by the City Council as part of an application for a conditional use permit or S-2 Master Plan approval based on verifiable information pertaining to parking.
- (3) When the cost of installing EVSE required by this Chapter exceeds five percent of the total project cost, the property owner or applicant may request a reduction in the EVSE requirements and submit cost estimates for City consideration.
- (4) When City Council approval of the project is not required, the City manager, or their designee may administratively approve a reduction the required amount of EVCS in order to limit the EVSE installation costs to not more than five percent of the total project cost.
- 3. Electric vehicle chargers and related equipment shall be designed and installed to meet the following minimum design requirements.
 - (a) EVSE must be in a parking island; mounted to an adjacent pedestal, wall or similar structure. They shall be protected by bollards, structures, or curb.
 - (b) EVSE may be located adjacent to designated parking spaces in a garage or parking lot as long as the devices do not encroach into the required dimensions of the parking space (length, width, and height clearances).
 - (c) EVSE shall be set back at least three feet from any property line. However, upon written request from the property owner, the City manager, or their designee may reduce or rescind this setback requirement for shared access agreements or pursuant to a finding of necessity and public convenience.
 - (d) Where EVSE is located within three feet of the public right-of-way, the location must be approved by the Director of Public Works. EV Chargers may be in the right-ofway, with permission from the Director of Public Works and issuance of a Right-of-Way Permit.
 - (e) EVSE shall be designed and located so as not impede pedestrian travel. Cords must be retractable or hung sufficiently above any pedestrian surface when not in use and shall not extend across sidewalks or trails during charging.
 - (f) EVSE must be installed per manufacturer specification and must comply with all applicable building codes and relevant Americans with Disabilities Act (ADA) requirements.
 - (g) Any EVSE in single-family or two-family residential zoning district shall have a Level 1 accessible wall plug. The equipment shall be stored on the exterior wall of the home, in the garage, or on a freestanding pole with footing adjacent to the parking area.
 - (h) Any EVSE with a Charging Level 2 or Level 3 located inside a structure with three or more units must be approved by the Fire Marshal or their designee.
 - (i) EVSE shall be maintained in all respects.

- (1) The exterior of the station shall be maintained in good condition including free of any rust.
- (2) The manufacturer or specialist contact information shall be provided on any Level 2 or Level 3 EVSE for reporting problems with the equipment or access to it.
- (3) EVSE shall remain functional at all times. When an EVSE is not operational for 30 consecutive days, it shall be removed or have a repair plan approved by the City manager, or their designee. If applicable, a replacement may be required for compliance with Table X.

LIST OF DEFINITIONS FOR THIS ARTICLE

Existing

DRIVEWAY. A private hard surfaced road giving access from a public way to a building or abutting grounds.

PARKING STALL. An area for the purpose of parking one automobile, surfaced with concrete or asphalt, with access to a public street or alley.

PARKING STALL, ACCESSIBLE. A parking space reserved exclusively for a motor vehicle registered with the state of Minnesota with accessible license plates or a state-issued temporary accessible parking pass.

PARKING STALL, ANGLED. Any parking space that is not parallel to the curb or driving aisle.

VEHICLE. Any device in, upon, or by which any person or property is or may be transported or drawn upon a highway, excepting devices used exclusively upon stationary rails or tracks.

WALKWAY OR SIDEWALK. A surface designated for pedestrian use.

New

CHARGING LEVELS: Standardized indicators of electrical force, or voltage, at which an electric vehicle's battery is recharged from Electric Vehicle Supply Equipment. The terms 1, 2, and DC are the most common charging levels, and include the following specifications:

- (1) Level 1 is considered slow charging and includes 120v outlets.
- (2) Level 2 is considered medium charging that includes 208v and 240v outlets.
- (3) Level 3 or DC is considered fast or rapid charging and includes outlets greater than 240v, charging heads and cord hard-wired to the circuit.

ELECTRIC VEHICLE: A vehicle that operates, either partially or exclusively, on electrical energy from the electrical grid, or an off-grid source, that is stored on board for motive purposes. "Electric vehicle" includes:

- (1) Battery electric vehicle
- (2) Plug-in hybrid electric vehicle

ELECTRIC VEHICLE CHARGING STATION (EVCS): A public or private parking space that is served by electric vehicle supply equipment.

ELECTRIC VEHICLE READY PARKING SPACE: Parking space with sufficient electrical capacity and conduits to support future EV chargers, but not including an installed charger unit. Adequate electrical service is required to allow for future simultaneous charging of all future installed chargers.

ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE): Any equipment or electrical component that has the primary purpose of charging electric vehicles at a specific location and meets the specifications of the Charging Levels listed above. EVSE does not include equipment located on the electric vehicles themselves. Electrical Capacity shall mean, at minimum:

- (1) Panel capacity to accommodate a dedicated branch circuit and service capacity.
- (2) Conduit from an electric panel to future EVCS location(s).

OFF-SITE SERVICE BUSINESS: Any establishment including but not limited to plumbing, equipment installation, electrical, or IT services where services are rendered off of the premises of the primary business location.

WHOLESALE ESTABLISHMENT: An establishment or place of business primarily engaged in selling and/or distributing merchandise to retailers; such as industrial, commercial, institutional, or professional business users, or to other wholesalers; or acting as agents or brokers and buying merchandise for, or selling merchandise to, such individuals or companies. This is not considered a general commercial use.



Meeting Date: August 13, 2024 Meeting Type: Environmental Quality and Energy Commission

Submitted By: Rachel Workin, Environmental Planner

Title

Sylvan Hills Park Stormwater Improvements

Background

Sylvan Hills Park is a 2.6-acre neighborhood park within the Sylvan Hills neighborhood. Approximately 77 acres drain to the park or the storm sewer running adjacent to it. The park and surrounding neighborhood experience occasional flooding and untreated runoff from the area contributes to the water quality impairments of the Mississippi River. During the Park System Improvement Plan planning process, the Mississippi Watershed Management Organization (MWMO) identified Sylvan Hills as a potential location for regional stormwater treatment and flood mitigation. A stormwater storage area and treatment area were included in the park's approved concept plan.

In partnership with the City, MWMO conducted a feasibility study to refine the concept plan to maximize recreational benefits, water quality and quantity improvements, and provide pollinator habitat. The project team worked with Houston Engineering Inc. and Davey Resource Group to develop the proposed plan which combines surface and underground stormwater features to provide regional as well as local stormwater treatment. The plan includes two small infiltration basins to capture surface runoff from an area immediately surrounding the park, a larger aspen basin near the playground, two bioswales that act as ephemeral streams, and an underground infiltration tank that provides the majority of the stormwater treatment while allowing for a mowable green space above (similar to Summit Square Park). The bioswales and underutilized slopes will be vegetated with native plants in line with the City's Pollinator Friendly Fridley resolution.

It is expected that these improvements would provide 16.1 pounds of phosphorus removal and 5,000 pounds of sediment removal per year. It would also reduce flooding within the park and surrounding neighborhood during10- and 100-year events. There would be approximately 27,000 square feet of pollinator habitat as well as 24,000 square feet of contiguous open play space. The quantity and size of recreational amenities would not be impacted and additional opportunities for nature-based play would be introduced.

Recommendation

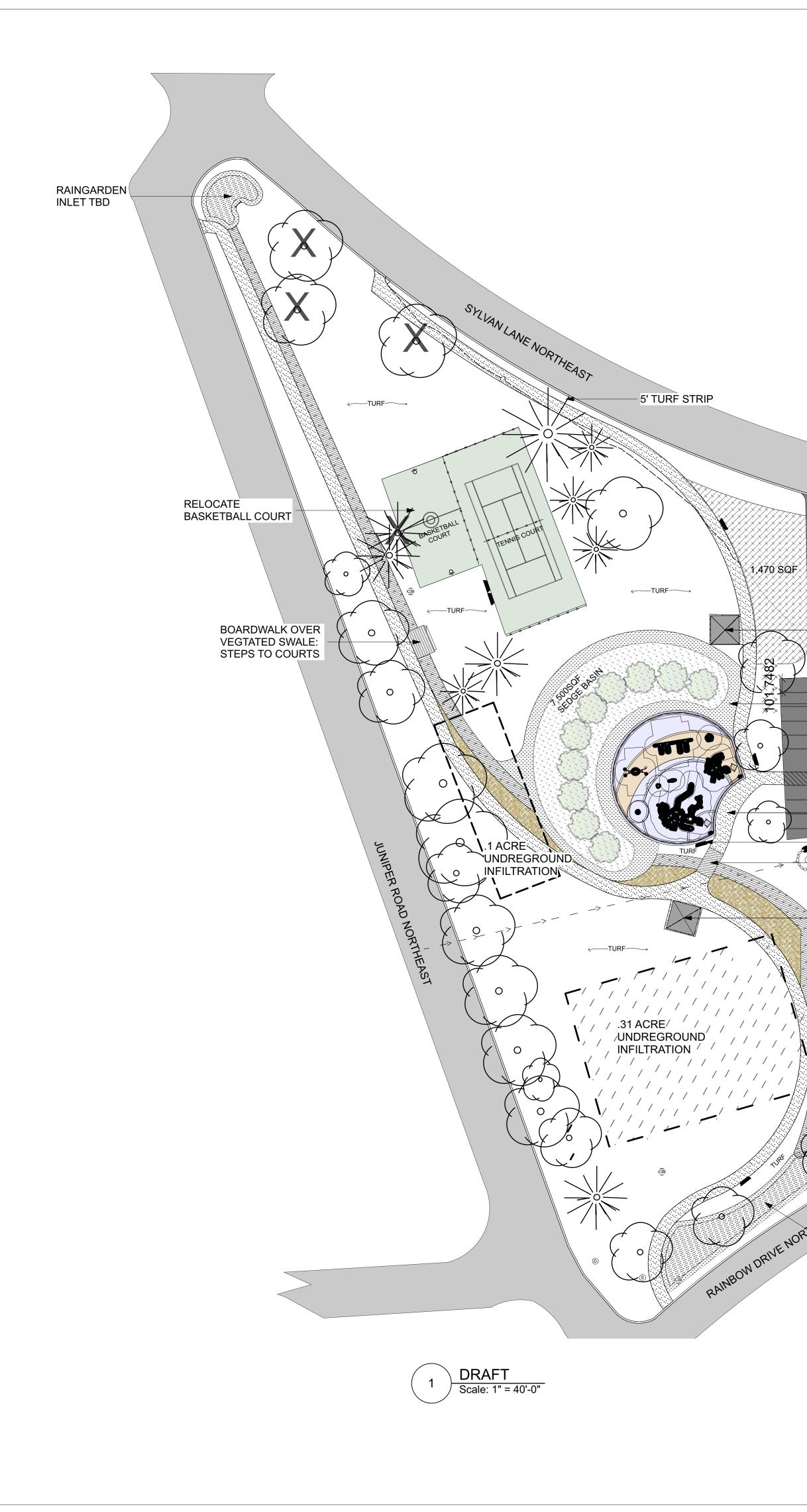
For discussion purposes only

Attachments and Other Resources

• Concept Plan

Vision Statement

We believe Fridley will be a safe, vibrant, friendly and stable home for families and businesses.



SHELTER OPTION #2

GRADE TO BASIN TBD

LEGEND

GRAVEL PATHWAY

VEGETATED SWALE

SEDGE BASIN



RAINGARDEN BASIN



NATIVE PLAY AREAS TBD

UPLAND SEED AND BLANKET

WIDEN PATHWAY FOR STROLLERS

- TURF AND BENCH BOARDWALK OVER VEGETATED SWALE

- SHELTER OPTION #1

5' TURF STRIP

RAINGARDEN INLET TBD

SYLVAN HILLS PARK CITY OF FRIDLEY

TREES AND SHRUBS

TREE & SHRUB PLANTING - Must be completed in compliance with MnDOT 2575. Contractor must remove soil sufficient for the placement of tree and shrub material to the base of the plant as it sits in the nursery container. Sub-grade at the base of each tree and shrub shall be scarified to a depth of one (1) foot prior to proper placement of plant. The area around the base of each tree and shrub shall be removed to a width of twice (2x) the existing radius of root mass for each nursery specimen. Root mass of each specimen must be gently pulled apart prior to placement. Roots of each plant should be surrounded by soil, not mulch. Area around the base of each tree and shrub shall be backfilled with native soils to meet grade.

IMPLEMENTATION MAINTENANCE

IMPLEMENTATION PERIOD - The implementation period shall be the period of time immediately following completion of installation through the first growing season. The first growing season shall refer to the end of installation through the end of Autumn if planted in the spring. If the area is planted in the fall the establishment period will be through the next year's growing season to Autumn.

IMPLEMENTATION/ ESTABLISHMENT - Implementation/ Establishment period includes weeding and plant replacement for the Project throughout the implementation period to ensure healthy, growing plants. The frequency of visits shall be a minimum of three occurrences annually to ensure proper weeding and watering. If establishment responsibility is transferred to property owners following the implementation period the WCD must approve of transfer after a final inspection.

WARRANTY - Contractor shall warranty plants for a minimum of 1 year. Contractor shall ensure a minimum of 70% coverage of planting area within one year. Plants that are found to be dead, or not achieving normal growth shall be replaced at the contractor's expense. A close out inspection to verify coverage is required. WATERING - Contractor is responsible for the following minimum watering standards immediately following the completion of planting

throughout the implementation period: 1) Apply water as needed in combination with rainfall to achieve the following: a. Minimum rate: 1 inch per week. b. Maximum interval

between watering: 72 hours.

c. Minimum application per watering: 0.25 inch.2) During extreme heat or drought periods, increase watering to maintain moist soil to a depth of 4 inches.

3) Maintain adequate soil moisture in the upper 12-inches of soil for a minimum of 4 weeks after planting.

SEEDING AND PLANTING

PLANTS - All plant material must be the size, genus and species listed per plan. Contact the WCD to approve any substitutions.

SEED BED PREPARATION - must be completed in compliance with MnDOT 2574. Contractor must prepare the soil surface to provide a smooth, moist, and evenly textured foundation before sowing seed and/or placing plants. Loosen the soil to a depth of 3" to ensure good seed to soil contact. Use caution and avoid operating equipment on wet soils or slopes greater than 2:1.

PLANT BED PREPARATION - Must be completed in compliance with MnDOT 2574. Contractor must scarify existing soil to break compacted areas and allow for effective infiltration of water. The Contractor must prepare the soil surface to provide a smooth, moist, and evenly textured foundation before planting.

PLANT INSTALLATION - Each specimen must have root mass gently pulled apart prior to placement in the planting bed. All plant material must be completely buried in growing media to the base of the plant as it sits in the nursery container. Roots of each plant shall be completely surrounded by soil, not mulch.

SOIL AMENDMENTS - Soil amendments such as biochar and MnDot Grade 2 compost may be applied in upland areas as based on post-construction soil conditions.

FERTILIZER - Do not apply fertilizer with native seed mixes or native planting areas.

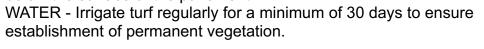
SEED ESTABLISHMENT AND EROSION CONTROL - Stabilize seeded areas with an erosion control blanket within 24 hours of

seeding. Blanket shall be a Category 25 Erosion Control Blanket (or approved equal).

HERBIVORE PROTECTION - Tree guards and protection fencing are recommended for new trees and plantings. TURF NOTES

RESTORATION - Repair turf areas outside of the planting areas that are disturbed due to grading.

GRADE - Turf along paved surfaces shall be graded to allow for 1.5" below the surface of the pavement. WATER - Irrigate turf regularly for a minimum of 30 days to onsure







DRAWN BY CH CHECKED APPROVED SCALE 1" = 40'



Meeting Date: August 13, 2024 Meeting Type: Environmental Quality and Energy Commission

Submitted By: Rachel Workin, Environmental Planner

Title

Energy Action Plan Updates

Background

At the November 9, 2021 meeting, the EQEC recommended adoption of Phase 2 of the Energy Action Plan. The following activities were completed since the previous EQEC Meeting:

- Meetings with Xcel Energy and CenterPoint Energy regarding HES transition
- Preparation of Phase 2 Solar for Public Buildings grant application/release of Moore Lake Rooftop Solar RFP
- Door knocking at Fridley Terrace with CERTS/CEE

The following activities are projected:

- EV Showcase at Touch A Truck event (August 20, 2024)
- LED light bulb giveaway at Coats for Cops (Winter 2024)

Recommendation

None

Attachments and Other Resources



Meeting Date: August 13, 2024 Meeting Type: Environmental Quality and Energy Commission

Submitted By: Rachel Workin, Environmental Planner

Title

Grant Updates

Background

The purpose of this item is to provide Commissioners updates on sustainability grants held by the City.

Grants in the Pre-Application Stage

• Solar for Public Buildings Grant for Moore Lake (approved for full application)

Grants Under Review

- Regional Solicitation Grant- Safe Routes to School (awarded awaiting signature)
- Met Council Water Efficiency Grant pt 4 (awarded awaiting signature) MPCA Resiliency Grant for Electric lawn Mower (awarded awaiting signature)
- BWSR Pollinator Pathways Grant with ACD

Active Grants

- Recycling grant (ongoing)
- Met Council Regional Solicitation Grant for 44th Avenue Bridge w/ Anoka County
- BWSR/RCWD grant for Moore Lake IESF project
- University Avenue Lighting Project
- RCWD grant for sumps in Farr Lake neighborhood
- MnDOT Active Transportation grant for University Avenue Trails
- DNR Preparing for Emerald Ash Borer Grant Pt. 3
- DNR ReLeaf Grant
- Safe Streets and Roads for All Planning Grant to create a Safety Action Plan
- DNR Shade Tree Grant
- CCWD grant for improved street sweeping equipment
- RCWD grant for hydrodynamic separator in 2024 Street Project
- MWMO Grants in 2024 Street Project
- Sylvan Hills Park stormwater system

Vision Statement

We believe Fridley will be a safe, vibrant, friendly and stable home for families and businesses.

Item 6.

- SHIP grant for Bike Fix-It Station at Edgewater Gardens
- 2024 Street Project Rain Gardens

Grants Closed (1/1/2024+)

- CCWD Water Quality Grant for Apex Pond
- Met Council Water Efficiency Grant pt 3
- MDH Well Sealing Grant pt 3
- Dog Waste Stations in Moore Lake Park
- CDBG Grant for 61st Avenue Parcel

Recommendation

None

Attachments and Other Resources



Meeting Date: August 13, 2024 Meeting Type: Environmental Quality and Energy Commission

Submitted By: Rachel Workin, Environmental Planner

Title

Outreach and Events Updates

Background

Outreach at community events is an important strategy to build environmental awareness and increase engagement. Events that have been completed since the last meeting as well as upcoming outreach events are listed below.

Completed events (5/15-)

- Environmental Game Night at NSCA (5/16)
- Environmental Fun Fest with Pop-Up Community Toy Story (5/18)
- Bike Rodeo (7/22)
- Kids Book swap (7/24)
- Green Block Parties at Night to Unite (8/6)

Confirmed events and topics

- EV Showcase at Touch a Truck Event (8/20)
- Baby Gear Swap at ECFE Fall Festival (11/9)

Potential Upcoming Events

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Recommendation

None

Attachments and Other Resources

None

Vision Statement

We believe Fridley will be a safe, vibrant, friendly and stable home for families and businesses.



Meeting Date: August 13, 2024 Meeting Type: Environmental Quality and Energy Commission

Submitted By: Rachel Workin, Environmental Planner

Title

Informal Status Reports

Background

Staff and Commissioners will share informal status reports on programs happening in the City.

Recommendation

None

Attachments and Other Resources