

AGENDA

TOWN OF FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION

REGULAR MEETING

December 1, 2020

**FLOWER MOUND TOWN HALL
2121 CROSS TIMBERS ROAD
FLOWER MOUND, TEXAS**

6:30 P.M.

**AN AGENDA INFORMATION PACKET IS AVAILABLE ONLINE AT
[HTTPS://TX-FLOWERMOUND.CIVICPLUS.COM/AGENDACENTER](https://tx-flowermound.civicplus.com/agendacenter)**

**There will be limited seating in Jody Smith Hall to allow for social distancing
Meeting participants may be asked to wait in the lobby until their name is called
Comments regarding any item on this agenda can be sent to the Commission Members
by**

Emailing: ECC@flower-mound.com or Calling: 972.874.6005

A. CALL REGULAR MEETING TO ORDER

B. INVOCATION AND PLEDGE OF ALLEGIANCE

C. PUBLIC COMMENT

**To speak to The Environmental Conservation Commission (ECC) during
public comment, please fill out a comment form.**

- Turn in form by 6:40 p.m. to Administrative Assistant**
- Speakers are limited to 3 minutes; a tone will sound at 30 seconds left and when time has expired**
- Please state your name and address when speaking**

**The purpose of this item is to allow the public an opportunity to address the
ECC on issues that are not indicated as a "Public Hearing" on this agenda.
Issues regarding daily operational or administrative matters should first be
dealt with by calling Environmental Services at 972-874-6340 during
business hours.**

Environmental Conservation Commission Special Meeting Agenda

December 1, 2020

Page 2

D. STAFF REPORT

Update and status report related to environmental issues and events, regulatory activities, and projects.

E. CONSENT AGENDA - CONSENT ITEMS

This agenda consists of non-controversial or "housekeeping" items and may be approved with a single motion. A member of the Environmental Conservation Commission may request an item(s) be withdrawn from the consent agenda and moved to regular agenda for discussion by making such request prior to a motion and vote on the Consent Agenda.

1. Consider approval of minutes from the special meeting of the Environmental Conservation Commission held on November 4, 2020.

F. SUBCOMMITTEE REPORT

Receive updates and status reports related to subcommittee tasks, activities, and projects.

G. ADJOURNMENT- REGULAR SESSION

H. CALL WORK SESSION TO ORDER

I. WORK SESSION ITEMS

2. Review and discuss the sustainability initiatives.

J. COORDINATION OF FUTURE AGENDAS/MEETINGS

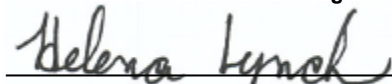
K. ADJOURNMENT- WORK SESSION



Matthew Woods

Director of Environmental Services

I do hereby certify that the Notice of Meeting was posted on the bulletin board in Town Hall of the Town of Flower Mound, Texas, a place convenient and readily accessible to the general public at all times and said Notice was posted on the following date and time: November 25, 2020, by 5:00 p.m., at least 72 hours prior to the schedule time of said meeting.



Helena Lynch

Administrative Assistant



ENVIRONMENTAL CONSERVATION COMMISSION AGENDA ITEM NO. 1

CONSENT ITEM

DATE: December 1, 2020

FROM: Helena, Administrative Assistant

ITEM: Consider approval of minutes from the special meeting of the Environmental Conservation Commission held on November 4, 2020.

BACKGROUND INFORMATION: This agenda item is to consider approval of the minutes from the November 4, 2020, special meeting of the Environmental Conservation Commission.

CITIZEN FEEDBACK: N/A

ALTERNATIVES/OPTIONS: N/A

FISCAL IMPACT: N/A

LEGAL REVIEW: N/A

ATTACHMENTS:

1. A copy of the draft minutes from the November 4, 2020, special meeting of the Environmental Conservation Commission.

RECOMMENDATION: Move to approve the minutes from the November 4, 2020, special meeting of the Environmental Conservation Commission.

FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION MEETING OF NOVEMBER 4, 2020

THE FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION SPECIAL MEETING HELD ON THE 4TH DAY OF NOVEMBER 2020, IN THE FLOWER MOUND TOWN HALL, LOCATED AT 2121 CROSS TIMBERS ROAD IN THE TOWN OF FLOWER MOUND, COUNTY OF DENTON, TEXAS, AT 7:30 PM.

The Environmental Conservation Commission met in a special session, with the following members present constituting a quorum:

James Naylor	Chair
Russell McNamer	Vice Chair
James Seastrom	Commission Member, Place 2
Alton Bowman	Commission Member, Place 5
Elaine Takacs	Commission Member, Place 6
Rich Murchek	Commission Member, Place 8
Anna Athappan	Commission Member, Place 9
Kathryn Wells	Commission Member, Place 10

Places 8, 9, and 10 of the Commission do not vote on items unless they sit in place of one of the regular members, Places 1-7.)

Constituting a quorum with the following members absent:

Marilyn Lawson	Commission Member, Place 4
Deanna Soper	Commission Member, Place 7

And the following members of Town staff present:

Matthew Woods	Director of Environmental Services
Helena Lynch	Administrative Assistant
Jimmy Hoefert	Environmental Review Analyst
Joe Whiteley	Environmental Review Analyst

A. CALL TO ORDER - REGULAR SESSION: 7:30 PM

B. INVOCATION AND PLEDGE OF ALLEGIANCE

C. PUBLIC COMMENT

None.

D. CONSENT AGENDA

- 1. Consider approval of minutes from the regular meeting of the Environmental Conservation Commission held on October 6, 2020.**

Commission Deliberation

Vice Chairman McNamer made a motion to approve the October 6, 2020, minutes as presented. Commission Member Seastrom seconded the motion.

VOTE ON THE MOTION

FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION MEETING OF NOVEMBER 4, 2020

AYES: Seastrom, Bowman, McNamer, Tackas, Wells, Athappan
NAYS: None
ABSTAIN: None

The motion passed with a vote of 6-0-0

E. REGULAR ITEMS-7:33 PM

2. Consider an application for a tree removal permit for twenty-five (25) specimen trees on property proposed for development as Niagara Conservation. The property generally located north of Enterprise Road and east of Old Gerault Road.

Presentation by Town Staff Jimmy Hoefert

- Project information
- General location
- Specimen trees requested for removal
- Motion / Recommendation

Kori Haug, Bella Firma, Inc., 4245 North Central Expy, Dallas, Texas, gave a presentation and answered questions.

- Site Plan overview

John Walsh, President of TIG Real Estate Services, 4015 University Blvd, Dallas, Texas, 75205 answered questions about the development and Niagara Conservation.

Commission Deliberation

Vice Chairman McNamer made a motion to approve the application for a tree removal permit for twenty-five (25) specimen trees on property proposed for development as Niagara Conservation. The property generally located north of Enterprise Road and east of Old Gerault Road. Commission Member Seastrom seconded the motion.

VOTE ON THE MOTION

AYES: Wells, McNamer, Seastrom, Naylor
NAYS: Athappan, Tackas, Bowman
ABSTAIN: None

The motion passed with a vote of 4-3-0

F. COORDINATION OF FUTURE AGENDAS/MEETINGS

FLOWER MOUND ENVIRONMENTAL CONSERVATION COMMISSION MEETING OF NOVEMBER 4, 2020

G. ADJOURNMENT- REGULAR SESSION – 8:16 PM

TOWN OF FLOWER MOUND, TEXAS

JAMES NAYLOR, CHAIR

ATTEST:

HELENA LYNCH, ADMINISTRATIVE ASSISTANT



ENVIRONMENTAL CONSERVATION COMMISSION AGENDA ITEM NO. 2

WORK SESSION ITEM

DATE: December 1, 2020

FROM: Tyler Leverenz, Environmental Programs Coordinator

ITEM: Review and discuss the sustainability initiatives.

BACKGROUND INFORMATION: The ECC reviewed the sustainability initiatives at the October ECC meeting. This work session item provides the ECC the opportunity to continue the review of the current sustainability initiatives and reprioritize initiatives for 2021, if necessary. Staff will provide the Commission with the current status report for the following prioritized list of initiatives.

- 1. Evaluate options to enhance Town-wide recycling and waste management practices; including LISD and multifamily options** – The ECC members have recognized that the Town's recycling efforts recently have been effective for single-family residential recycling rates; however, the members identified that the commercial, educational/LISD, and multi-family properties either do not have the same options or there may be some limiting factors that affect their ability to recycle. ECC members indicated a desire to initiate a review and an assessment of multi-family recycling options. In addition, ECC members indicated a desire to add green waste diversion to the Republic Services contract as part of this initiative.

*Status: **Ongoing.** A waste and recycling services contract was approved with Republic Services and the recycling subcommittee was formed to discuss recycling options in Flower Mound. Through a partnership with Living Earth, residents have a green waste drop off diversion option and the Town has begun diverting a portion of landscape debris for composting.*

- 2. Open Space Plan** – The ECC formed an Open Space Subcommittee to evaluate the ECC's role relative to the Open Space Plan and implement appropriate measures to promote and update the plan if necessary. The subcommittee held four meetings and conducted a thorough review of the plan and the open space brochure. The subcommittee completed recommended amendments to the brochure.

*Status: **Completed.** The subcommittee provided recommendations for updates to the open space brochure which were approved and updated to the Town's webpage.*

- 3. Enhance Stormwater Management Program (SWMP) educational material** – Enhancing the current educational and promotional aspects of the Town's Stormwater Management Program (SWMP) would help meet the objectives within the five-year SWMP. This initiative results in additional resources being dedicated to creating FMTV spots and webpage updates, educational programs and presentations, and an increase in the amount of information disseminated through utility bill inserts and other formats for stormwater-related education.

*Status: **Ongoing.** Stormwater educational items have included the second grade environmental education program, seventh grade watershed education program, fall and spring trash off and environmental fairs, FMTV spots, Stream Team promotion, and utility bill inserts. A Staff member was Stream Team Teacher Certified and conducted Stream Team Classes in Flower Mound at the end of 2018. Training will again be required in 2020/2021. An update on the Denton County Greenbelt plan was provide to the ECC by the Upper Trinity River Water District on September 1, 2020.*

- 4. Promote and conduct environmental classes and programs** – The ECC would be actively involved with this initiative to increase the number of educational classes held at the Library, schools, and at other appropriate sites within the Town. Town resources would also be utilized to promote and conduct additional environmental programs and educational classes.

*Status: **Ongoing.** Education programs in 2019 and 2020 have included an Arbor Day Celebration and Arboretum dedication, an Earth Day celebration, the spring/fall 2nd grade Environmental Education Program, fall 7th grade watershed education program, and a Master Composter training class held by Keep Flower Mound Beautiful. Educational videos have been created in response to Covid-19 restrictions. Additionally, the Outdoor Learning Area Subcommittee was formed to evaluate options for access to the OLA and a third party engineering firm is evaluating floodplain, access points, bridge options, and potential costs. 50 trees were given away at the November 7th Arbor Day event.*

- 5. Promote and adopt enhanced drought tolerant landscaping practices at Town facilities** – This initiative incorporates a drought tolerant landscaping standard for new Town projects and requires the inclusion of drought tolerant landscaping options during the project review process. In addition to new projects, it is proposed that landscaping revisions to existing Town facilities include drought tolerant landscaping components when landscaping is replaced. Promotion and education of drought tolerant landscaping is an additional component of this initiative. The Town has included such practices at the Senior Center, Operations and Maintenance Facility, and Town Hall, so this initiative would be improving upon or enhancing a recent practice.

*Status: **Ongoing.** The proposed landscaping list was recommended for approval by ECC and has been initiated and ongoing for Town projects. Phase I of a three phase butterfly garden has been planted at Town Hall with Phase II planned for October 2020. Interpretive signage has been added to the Monarch Waystation at Green Acres Farm Memorial Park. New drought tolerant landscaping added to 1171 medians in late 2019. The ECC requested adding the Tree Recognition Program as a performance measure.*

- 6. Establish an Arboretum** – ECC added this initiative in 2018 to evaluate the potential addition and location of an Arboretum. Establishing the Arboretum has been an addition to the Town's educational initiatives related to trees.

*Status: **Complete.** The new Arboretum was established and dedicated on Arbor Day 2019 at Glenwick and Westchester Parks. A Monterrey oak was planted at the Arboretum on November 6th for Arbor Day 2020.*

- 7. Energy conservation** – This initiative includes implementing energy saving practices at Town facilities and potentially utilizing recommendations from a prior energy audit and potential future energy audits. The previously recommended implementation of LEED guided design principles for new Town facilities or enhancements for existing Town facilities may also be included within this initiative.

*Status: **Ongoing.** Initial audit completed, future audits and implementation depend on the budget. The ECC requested adding water conservation as a performance measure.*

- 8. Conduct a Town-wide tree canopy analysis** – The tree canopy analysis enables the ECC and staff to compare the approximate Town-wide canopy growth or loss over time and review policies and practices related to canopy protection and growth. The Town purchased Feature Analyst software to more effectively assess the Town's canopy. The most recent assessment utilizing the 2018 National Agriculture Imagery Program (NAIP) data resulted in approximate Town-wide canopy coverage of 23.6%.

*Status: **Ongoing.** Completed 2018 aerial data analysis. Ongoing initiative on a proposed two-year cycle with the next assessment scheduled for 2021 based on 2020 data analysis.*

ALTERNATIVES/OPTIONS:

N/A

ATTACHMENTS:

1. Sustainability Initiatives

RECOMMENDATION: This item is for discussion purposes; therefore, no formal action is required.

ECC Sustainability Initiatives 2020/2021

MISSION STATEMENT: To promote responsible environmental stewardship by adopting policies and procedures that will enhance our quality of life and benefit our future communities while preserving our heritage.

Priority Rank	Initiative	Performance Measure	ECC	Notes
1	Evaluate options to enhance Town-wide recycling; including LISD and multifamily options	☐ Town-wide Recycling - Multi-family recycling option assessment ☐ Waste Reduction at Town facilities ☐ Green Waste option review	Marilyn Lawson & Jim Seastrom & Elaine Takacs	The Town approved the new waste/recycling services contract with Republic Services; effective 10/1/16. Recycling options can continue to be evaluated. An update from Republic was presented at the 2/5/2019 ECC meeting. Recycling (Sustainability) Subcommittee formed to discuss and review recycling options in Flower Mound. Seeking external member to join committee. The ECC discussed a desire to review options to add green waste diversion to the Republic contract & assess multi-family recycling options. The Town has worked with Living Earth to accept green waste from residents. The Town parks department diverts a portion of green waste to Living Earth when possible. In 2020 Parks has delivered 145 yards of mixed dirt, 15 yards of grass clippings and 25 yards of tree mulch.
2	Open Space	☒ Update Open Space Informational Packet	Jim Seastrom, Elaine Takacs	Implement an open space public education and information program that will educate landowners, realtors, developers, and residents about the Town Open Space Plan. *Open space plan updated and an online version was created
3	Enhance Stormwater Management Program educational material	☐ Conduct Stormwater and Stream Team classes at the Library ☐ Watershed Protection Education ☐ Create FMTV spots, use social media, distribute educational material	James Naylor	Stream Team training conducted March 2019; new training will be required for 2020/2021 Denton County Greenbelt Plan: Update provided by the UTRWD to the ECC at the 9/1/2020 meeting (currently on hold) Ongoing initiative through the SWMP. Stormwater educational items have included the second grade environmental education program, fall and spring trash off and environmental fairs, FMTV spots, utility bill inserts, and the new seventh grade stormwater/watershed education program.
4	Promote and conduct environmental classes and programs	☐ Utilize Town resources to promote and conduct more environmental programs ☐ Utilize New Tree Farm to conduct educational programs ☐ Utilize the Outdoor Learning Area (OLA) for educational events/programs ☐ Mayors' Monarch Pledge Yearly Report	Marilyn Lawson, Jim Seastrom, James Naylor, Anna Athappan	7th Grade program on Stormwater and water quality has been established and is ongoing along with regular 2nd grade environmental program. KFMB held a Master Composter training class in February 2020. Arbor Day - Held on Saturday, November 7, 2020, at Heritage Park - 50 trees given away. Outdoor Learning Area Subcommittee (James Naylor, Jim Seastrom, Anna Athappan) formed to evaluate access options to utilize the area. A third party engineering firm is evaluating the floodplain, access points, bridge options, and potential costs. Preliminary evaluation found one potential access point; further study required for low water crossing option vs spanning the floodplain. Mayors' Monarch Pledge was approved by the Mayor at the TC & ECC Joint Work session on Feb. 16, 2017. This pledge is an ongoing initiative to engage and educate residents about the decline of Monarch butterflies and help in their conservation. Town Hall Butterfly Garden phase I planted in November 2019 with phase II to be planted in October 2020. Flower Mound is recognized in the Mayor's Monarch Pledge Leadership Circle.
		☐ Annual Tree Recognition Program	Kathryn Wells,	Program to recognize outstanding trees throughout the town. Encourages citizen participation and interest in trees as well as bringing attention to the unique arboreal diversity of Flower Mound.
5	Promote and adopt enhanced drought tolerant landscaping practices at Town facilities	9 Drought Tolerant landscape practices at Town Facility 9 Water conservation material distributed through water bill. Conservation Classes. ☒ Review recommended planting list		The proposed landscaping list was recommended for approval by ECC; initiated and ongoing for Town projects. The continued implementation of drought tolerant landscaping for Town projects is recommended. Planting list was discussed and approved by ECC.
6	Establish an Arboretum	☒ The Arboretum was established at Westchester Park in 2019	Russ McNamee, Alton Bowman, & Dianna Spager	Parks and Environmental Services planted an additional tree at the Arboretum on Friday, November 6 in observance of Arbor Day.
7	Energy conservation	9 Include LEED guided design principles for new Town projects 9 Implement reduced energy use practices in Town facilities * Water conservation ☒ Conduct an energy audit of Town Facilities		Town Staff/Departmental Responsibility; initiated and ongoing. Send out Town-wide informational emails about energy use practices. * New performance measure Preliminary energy audit completed; future audits and implementation dependent upon Budget.
8	Conduct a Town-wide tree canopy analysis	☒ Town-wide tree canopy analysis completed		Completed 2018 aerial data analysis; ongoing process on a proposed 2-year cycle. The next assessment is scheduled for early 2021 to analyze new 2020 aerial data.

☒ Completed Initiatives
☐ Ongoing Initiatives
9 Town/Departmental Ongoing