



KEEP KENNEDALE BEAUTIFUL COMMISSION
AGENDA
REGULAR MEETING
January 10, 2017
CITY HALL CONFERENCE ROOM, 405 MUNICIPAL DRIVE
REGULAR SESSION - 6:00 PM

I. CALL TO ORDER

II. ROLL CALL

III. MINUTES APPROVAL

- A. Consider action to approve minutes for November 2016

IV. VISITOR/CITIZENS FORUM

At this time, any person with business before the Keep Kennedale Beautiful Commission may speak to the Commission. All comments must be directed towards the Chair, rather than individual commissioners or staff. All speakers must limit their comments to subject matter relating to the commission. No formal action can be taken on these items.

V. REGULAR ITEMS

- A. Discuss and approve action to schedule KKB calendar of events
 - 1. Windshield Survey
 - 2. Don't Mess with Texas
 - 3. Bring It Event
 - 4. Butterfly Demonstration Garden Work days
 - 5. Monarch Pledge Program
 - 6. Trunk or Treat
 - 7. Arbor Day Event
- B. Discuss and consider action needed to allocate budget for activities and events
- C. Discuss and consider action to complete the windshield survey
- D. Discuss and consider action to plan a monarch educational event
- E. Discuss and consider options for planting grant awarded milkweed plants

VI. REPORTS/ANNOUNCEMENTS

- A. Update from the KISD Green Club

VII. ADJOURNMENT

In compliance with the Americans with Disabilities Act, the City of Kennedale will provide for reasonable accommodations for persons attending City Council meetings. This building is wheelchair accessible, and parking spaces for disabled citizens are available. Requests for sign interpreter services must be made forty-eight (48) hours prior to the meetings. Please contact the City Secretary at 817.985.2104 or (TDD) 1.800.735.2989

CERTIFICATION

I certify that a copy of the January 10, 2017, Keep Kennedale Beautiful Commission agenda was posted on the City Hall bulletin board next to the main entrance of the City Hall building, 405 Municipal Drive, of the City of Kennedale, Texas, in a place convenient and readily accessible to the general public at all times and said agenda was posted at least 72 hours preceding the schedule time of said meeting, in accordance with Chapter 551 of the Texas Government Code.

A handwritten signature in cursive script, reading "Kelly Cooper".

Kelly Cooper, KKB Staff Liaison

Date: January 10, 2017

Agenda Item No: MINUTES APPROVAL - A.

I. Subject:

Consider action to approve minutes for November 2016

II. Originated by:

Kelly Cooper, Director of Human Resources

III. Summary:

The minutes have been prepared by Board Secretary, Vickie Chandler and are attached for your approval.

IV. Recommendation:

Approve

V. Attachments:

1.	KKB November 2016 Minutes	November 8 2016.docx
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Keep Kennedale Beautiful

Regular Meeting

November 8, 2016

- I. Call to Order: 6:00 p.m.
- II. Roll Call:
 - 1. Michael Chandler
 - 2. Vinita Thomas
 - 3. Dora Ann Markle
 - 4. Fred Winters
 - 5. Darlene Winters
 - 6. Cesar Guerra
 - 7. Wilda Turner
 - 8. Laurie Sanders
 - 9. Vickie Chandler
 - 10. Kelly Cooper
- III. Minutes Approval: Laurie motion to approve, Wilda 2nds. Approved
- IV. Visitor/Citizen Forum: N/A
- V. Regular items;
 - A. Appoint Chair, Vice Chair and Secretary for the next fiscal year
 - 1. Chair – Wilda nominates Michael, Laurie 2nds. Approved
 - 2. Vice Chair – Darlene nominates Fred, Laurie 2nds. Approved
 - 3. Secretary – Wilda nominates Vickie, Fred 2nds. Approved.
 - B. Adopt –a – Spot: Arlington Classics Academy PTO requests Sonora Park, Laurie motions to approve, Fred 2nds. Approved. Heather Dingman requested a In Memory of type spot near Life Fellowship Church with no group involvement after discussion within the board it was decided to decline the application due circumstances around the requestor. Fred motions to deny the application, Wilda 2nds. Approved
 - C. October Events: it was in agreement that all events held in October were great successes , some changes in set up for the next Bring it Event were discussed and adding the 50 gallon limit per resident notice for Crud Cruiser needs to be added to marketing material for the next event. A new contact for free trees is needed before next Arbor Day event since we lost our previous contact with TXU Energy.
 - D. Adopt –a-Spot 2016 trash pick-up totals: The Board reviewed and discussed totals in the report for the year.
 - E. Monarch Educational Program Event: Board discussed a date in the Spring in March for a weekday evening event to be held at the Community Center with Kara Lynn Greenfield to speak and do a power point presentation with refreshments and possibly door prizes of Milkweed plants to attendees. Laurie will contact Kara Lynn to work out a date for the event. Wilda also suggested maybe for future educational events maybe using Stegall’s Nursery as a location, it was agreed it has many beneficial possibilities and will be considered.
 - F. Cancelling December Meeting: Fred motions to cancel, Darlene 2nds. Approved
- VI. Announcements: Kelly informed the Board of totals for Crud Cruiser, Simple Recycling for the quarter and Gingerbread House competition at the Kennedale Library if the group was interested.
- VII. Adjournment: 6:51 p.m.

Date: January 10, 2017

Agenda Item No: REGULAR ITEMS - A.

I. Subject:

Discuss and approve action to schedule KKB calendar of events

1. Windshield Survey
2. Don't Mess with Texas
3. Bring It Event
4. Butterfly Demonstration Garden Work days
5. Monarch Pledge Program
6. Trunk or Treat
7. Arbor Day Event

II. Originated by:

Kelly Cooper, Director of Human Resources

III. Summary:

This item is to give the Board the opportunity to discuss and schedule dates for these and other events for the 2017 calendar year.

1. Windshield Survey - (January or February)
2. Don't Mess with Texas - (April)
3. Bring It Event - (October)
4. Butterfly Demonstration Garden Work days (April and)
5. Monarch Pledge Program - (Kick-off program late March)
6. Trunk or Treat (October TBA)
7. Arbor Day Event

IV. Recommendation:

Approve

V. Attachments:

Date: January 10, 2017

Agenda Item No: REGULAR ITEMS - B.

I. Subject:

Discuss and consider action needed to allocate budget for activities and events

II. Originated by:

Kelly Cooper, Director of Human Resources

III. Summary:

This item provides the board an opportunity to discuss the budget for the various events and determine needs and make changes and adjustments as appropriate. A draft is attached for your review.

IV. Recommendation:

Approve

Approve with changes

V. Attachments:

1.	KKB 2017 Budget	KKB 2017 Budget.pdf
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2016 - 2017 Budget: \$5,500

October Recycling Event (October 28, 2017):

Banners	\$ 0
Electronic Recycling	\$ 0
Action Shred	\$ 400
Crude Cruiser	
Donuts & Coffee	\$ 25

Trunk or Treat (October 2017):

Supplies and printed material	\$ 55
Trees (donated)	\$ 0

Windshield Survey (January 2017)

Monarch Migration Program (March 2017):

Educational Program with Karalynn Greenfield Program	\$ 100
Milkweed grant received (use as give-a-ways)	\$ 0
Vouchers: 25 vouchers for residents	\$ 625

Don't Mess With Texas Clean-up (April 2017)

Banners	\$ 150
Lunch/Drinks	\$ 150
Supplies (Vests, gloves, nabbers, etc)	\$ 200

Monarch Migration Program:

Educational Program with Karalynn Greenfield Program	\$ 100
Milkweed grant received (use as give-a-ways)	\$ 0
Vouchers: 25 vouchers for residents	\$ 625

Butterfly Garden (April 2, and):

Supplies: Compost, mulch, plants, etc	\$ 800
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Arbor Day (November , 2017):

Supplies: Equipment, Banners, etc	\$ 150
Lunch/Drinks	\$ 100
Program	\$ 550

General Office/Marketing/Travel Supplies:

T-Shirts	\$ 105
Adopt-A-Spot Signs (spent \$655 through Dec)	\$1,080
Give-Aways (Patches, Pens, buttons, etc)	\$ 0
Patches for Youth	\$ 0
Affiliate Dues	\$ 100
Conference/Travel	\$ 800
Total Requested:	\$5,390

Date: January 10, 2017

Agenda Item No: REGULAR ITEMS - C.

I. Subject:

Discuss and consider action to complete the windshield survey

II. Originated by:

Kelly Cooper, Director of Human Resources

III. Summary:

Each year KKB is expected to complete a windshield survey to determine the cleanliness of the community and areas that need improvement. This is not scientific but a subjective review of various areas to determine the amount of litter and possible clean-up. The survey form is attached. We need approximately four to six individuals to drive the city, looking at specific locations and rating those locations based on what you see. The rating sheets will be submitted to Kelly Cooper the staff liaison to compile and report the findings.

Generally the Board tries to complete this survey in January or February of each year.

IV. Recommendation:

Approve

V. Attachments:

1.	Community Windshield Survey	COMMUNITY WINDSHIELD SURVEY.pdf
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COMMUNITY WINDSHIELD SURVEY

An effective analysis of the current situation in your community may include a "field inspection" or "windshield survey." Based on the Keep America Beautiful Litter Index and Litter/Solid Waste Evaluation, volunteers will review areas in the community for overall litter conditions. The survey is not scientifically based. An average is determined for each site based on 3-9 volunteer scores. The group should travel together so they are viewing the area under the same conditions.

Rank each site based on

- Excellent - no litter or minimal litter
- Good - small amount of litter that could be collected by one person
- Fair - litter that would require an organized clean up
- Poor - heavy litter that would require heavy equipment or a large scale clean up for the area

Business Area: **TOWER DRIVE**

LOCATION	EXCELLENT	GOOD	FAIR	POOR
Streets				
Sidewalks				
Vacant lots				
Driveways				
Parking lots				
Yards				
Alleys				
Loading docks				

Are trash receptacles? () adequate () inadequate () covered () overflowing

Are dumpsters? () screened from public streets () visible to the public street () clean
() overflowing

Comments:

Park Area: **TOWN CENTER**

LOCATION	EXCELLENT	GOOD	FAIR	POOR
Sidewalks around site				
Sidewalks within site				
Picnic Areas				
Playgrounds				
Parking lots				
Planted Areas				
Open Areas				
Loading docks				

Are trash receptacles? () adequate () inadequate () covered () overflowing

Comments:

APPENDIX

Residential Area: CRESTDALE

LOCATION	EXCELLENT	GOOD	FAIR	POOR
Streets				
Sidewalks				
Vacant lots				
Driveways				
Parking lots				
Yards				
Alleys				

Are trash receptacles? ☐ adequate ☐ inadequate ☐ covered ☐ overflowing

Are dumpsters? ☐ screened from public streets ☐ visible to the public street ☐ clean
☐ overflowing

Are disposal areas? ☐ clean ☐ littered

Comments:

School Area: JUNIOR HIGH

LOCATION	EXCELLENT	GOOD	FAIR	POOR
Street				
Sidewalks				
Entrances				
Driveways				
Parking lots				
Yards				
Playgrounds				
Loading docks				

Are trash receptacles? ☐ adequate ☐ inadequate ☐ covered ☐ overflowing

Are dumpsters? ☐ screened from public streets ☐ visible to the public street ☐ clean
☐ overflowing

Comments:

Shopping Center Area: DOLLAR GENERAL AND SUBWAY TOWNCENTER AREA

LOCATION	EXCELLENT	GOOD	FAIR	POOR
Streets				
Sidewalks				
Planted areas				
Driveways				

APPENDIX

Parking lots				
Alleys/Disposal Area				
Loading docks				

Are trash receptacles? () adequate () inadequate () covered () overflowing

Are dumpsters? () screened from public streets () visible to the public street () clean
() overflowing

Comments:

Beach/Waterway Area:

VILLAGE CREEK

LOCATION	EXCELLENT	GOOD	FAIR	POOR
Access roads				
Sidewalks/Paths				
Picnic Areas				
Parking lots				
Playgrounds				
Waterline				

Are trash receptacles? () adequate () inadequate () covered () overflowing

Comments:

Other Areas:

RED'S ROADHOUSE

LOCATION	EXCELLENT	GOOD	FAIR	POOR

Are trash receptacles? () adequate () inadequate () covered () overflowing

Are dumpsters? () screened from public streets () visible to the public street () clean
() overflowing

Comments:

Right-of-ways (curb to front yard)

From/To: TOWER DRIVE & KENNEDALE PKWY

SOURCE OF LITTER	PERCENTAGE
Improper waste putouts/set-outs	
Nearby food establishments	
Illegal dumping	
Motorists	

APPENDIX

Pedestrians	
Uncovered vehicle	
Other:	

Are trash receptacles? () adequate () inadequate () covered () overflowing

Comments:

Streets (in street or on pavement) SUBLETT RD (LITTLE SCHOOL TO MANSFIELD CARD)
From/To: _____

SOURCE OF LITTER	PERCENTAGE
Improper waste putouts/set-outs	
Nearby food establishments	
Illegal dumping	
Motorists	
Pedestrians	
Uncovered vehicle	
Other:	

Are trash receptacles? () adequate () inadequate () covered () overflowing

Comments:

Railroad Area
From/To: NORTH ROAD & DICK PRICE

SOURCE OF LITTER	PERCENTAGE
Improper waste putouts/set-outs	
Nearby food establishments	
Illegal dumping	
Motorists	
Pedestrians	
Uncovered vehicle	
Other:	

Are trash receptacles? () adequate () inadequate () covered () overflowing

Comments:

Date: January 10, 2017

Agenda Item No: REGULAR ITEMS - D.

I. Subject:

Discuss and consider action to plan a monarch educational event

II. Originated by:

Kelly Cooper, Director of Human Resources

III. Summary:

The board discussed this item in November. This program would be the kick-off to the monarch butterfly planting season and would allow the board to work with Mrs. Greenfield on a presentation to the community.

In November we discussed various ideas, however the Board should finalize this event as soon as possible for marketing purposes. The following items should be addressed:

1. Date in March
2. Confirmation from Mrs. Greenfield to present
3. Community Center is available
4. Donation of plants from Stegall's
5. Refreshments
6. Other ideas

We will receive milkweed from the Monarch Watch's milkweed market. This might be used as give-a-ways also.

IV. Recommendation:

Approve

V. Attachments:

Date: January 10, 2017

Agenda Item No: REGULAR ITEMS - E.

I. Subject:

Discuss and consider options for planting grant awarded milkweed plants

II. Originated by:

Kelly Cooper, Director of Human Resources

III. Summary:

Staff submitted an application for free milkweed plants and was notified December 28th via email that KKB was awarded the grant. Staff has not received the details regarding the amount of milkweed being provided. This item is to give the Board an opportunity to discuss and consider options and uses for the free milkweed plants. Two options include:

1. Planting around the City Hall complex
2. Give them away at the Monarch Presentation in March.
3. Other options

IV. Recommendation:

None

V. Attachments:

1.	Mayor's Monarch Pledge	Milkweed Market Email.pdf
2.	Southern Plains	Southern Plains.pdf

Kelly Cooper

From: Jenny Kordick <jenny_kordick@twi.org>
Sent: Wednesday, December 28, 2016 10:18 AM
Subject: Congratulations - You will be receiving free milkweed for spring 2017

Thank you for submitting the application to receive free milkweed. You were one of the first forty cities to sign up.

Milkweed will come from Monarch Watch's milkweed market. If you would like to learn more about Monarch Watch or order your own milkweed, visit their website at: <http://shop.milkweedmarket.org/>

We will be following up in early 2017 with more detailed information, including shipping dates. Please let me know if you have questions in the meantime.

Thank you!
Jenny

From: Mayors' Monarch Pledge [mailto:mayorsmonarchpledge@nwf.org]
Sent: Friday, November 18, 2016 6:35 PM
To: Mayors' Monarch Pledge <mayorsmonarchpledge@nwf.org>
Subject: UPDATE: Opportunity for Free Milkweed Plants Next Spring

Dear Mayors' Monarch Pledge Staff Contacts in the Central Monarch Flyway,

Thank you for the overwhelming response to this offer for free native milkweed plants. We surpassed our limit of 40 cities within hours of this email going out. Jenny Kordick with the Emerging Wildlife Conservation Leaders Program will follow up with all respondents.

We will continue to update you if we find out about other opportunities like this. In the meantime, you can find more information about where to secure milkweed and other native plants [here](#).

Have a wonderful weekend,
Patrick



Patrick Fitzgerald
Senior Director of Community Wildlife
National Wildlife Federation
(202) 797-6821
www.nwf.org / www.nwf.org/community
Uniting all Americans to ensure wildlife thrive in a rapidly changing world

From: Mayors' Monarch Pledge
Sent: Thursday, November 17, 2016 10:54 AM
To: Mayors' Monarch Pledge <mayorsmonarchpledge@nwf.org>
Subject: Opportunity for Free Milkweed Plants Next Spring

Dear Mayors' Monarch Pledge Staff Contacts in the Central Monarch Flyway,

I wanted to share an exciting opportunity to receive FREE milkweed plants for the spring planting season. The [Emerging Wildlife Conservation Leaders program](#), a partner of ours in the Mayors' Monarch Pledge effort, is providing free milkweed to cities who have signed the pledge in states along the central flyway (ND, SD, NE, IA, MO, MN, WI, MI, IL, AR, IN, TX, OK, and KS).

The **first forty cities who sign up** will receive a flat containing 32 milkweed plants from [Monarch Watch's Milkweed Market](#).

[Sign up to receive milkweed here.](#)

The appropriate milkweed species for your region will be shipped to the address provided via UPS ground and arrive in early spring with instructions for planting. Below is information from Monarch Watch about planting.

I hope you will take advantage of this opportunity. If you have any questions you can contact us directly or email Jenny Kordick with the Emerging Wildlife Conservation Leaders program at jenny_kordick@twc.org.

Thank you for all you're doing to help save the monarch.

Best,
Patrick

Gardens

For gardens, we recommend that you plant about 20-30 milkweed plants per 100 square feet. Milkweed plants should be spaced 1 foot apart, placed in clusters of 3-4 milkweeds. The clusters should then be interspersed with nectar sources that bloom at various times of the growing season (See our plant lists [here http://monarchwatch.org/garden/plant-lists.html](http://monarchwatch.org/garden/plant-lists.html).) This will supply nectar for mating and migration in adults. Common milkweed will tend to spread by underground rhizomes, so 30 plants might be too many. If you like a "tidy" garden, your garden plan should include pulling or digging out common milkweed from areas that it may not be wanted. Check for monarch eggs before discarding plants, and place the leaves with eggs on or near a plant that you did not remove.

Restoration

For restoration of natural areas, if planting common milkweed, we recommend 20-40 plugs per acre, maximum. Swamp milkweed, which does not reproduce by underground rhizomes, can be planted at up to 80 plants per acre, maximum. There is no hard and fast rule, so there is some flexibility. You will want to disperse clusters of 3-4 plants among nectar sources focusing on native, perennial grasses and flowers. Planting milkweed in large, continuous patches is not recommended. This allows predators and parasites to find the caterpillars more easily.



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Uniting all Americans to ensure wildlife thrive in a rapidly changing world

MONARCH NECTAR PLANTS

Southern Plains



Left to right: Monarch on butterfly milkweed, spider milkweed, and purple prairie clover.

The Southern Plains encompass the grasslands states of Oklahoma, Kansas, and Arkansas, as well as most of Texas and eastern Colorado. Shifting elevations and rainfall patterns from the dry foothills of the Rockies to the wet, flat expanses of eastern Texas produce an incredibly rich diversity of flowering plants, which in turn support an array of pollinators. In the spring, monarch butterflies take advantage of the vast open prairies and these floral resources to breed; in the fall, the same prairies provide fuel to migrating monarchs heading back south for the winter.

Each spring, monarchs leave overwintering sites in coastal California and the mountains of central Mexico and fan out across North America to breed and lay eggs on milkweed, the monarch's host plant. Several generations are produced over the course of the spring and summer. In late summer and early fall, adults from the northern U.S. and southern Canada migrate back to the overwintering sites, where they generally remain in reproductive diapause until the spring, when the cycle begins again.

Monarchs at overwintering sites in Mexico and California have declined dramatically since monitoring began in the late 1990s. Across their range in North America, monarchs are threatened by a variety of factors. Loss of milkweed from extensive herbicide use has been a major contributing factor, and habitat loss and degradation from other causes, natural disease and predation, climate change, and widespread insecticide use are probably also contributing to monarch declines. Because of the monarch's migratory life

cycle, it is important to protect and restore habitat across their entire range. Adult monarchs depend on diverse nectar sources for food during all stages of the year, from spring and summer breeding to fall migration and overwintering. Caterpillars are completely dependent on their milkweed host plants. Inadequate milkweed or nectar plant food sources at any point may impact the number of monarchs that successfully arrive at overwintering sites in the fall.

Providing milkweeds and other nectar-rich flowers that bloom where and when monarchs need them is one of the most significant actions you can take to support monarch butterfly populations. This guide features Southern Plains native plants that have documented monarch visitation, bloom during the times of year when monarchs are present, are commercially available, and are known to be hardy. These species are well-suited for wildflower gardens, urban greenspaces, and farm field borders. Beyond supporting monarchs, many of these plants attract other nectar- and/or pollen-seeking butterflies, bees, moths, and hummingbirds, and some are host plants for other butterfly and moth caterpillars. For a list of native plants that host butterflies and moths specific to your zip code see www.nwf.org/nativeplantfinder.

The species in this guide are adaptable to growing conditions found across the Southern Plains. Please consult regional floras, the Biota of North America's North American Plant Atlas (<http://bonap.net/napa>), or the USDA's PLANTS database (<http://plants.usda.gov>) for details on species' distributions in your area.

											
Bloom	Common Name		Scientific Name		Flower Color	Max. Height (feet)	Water Needs Low, Medium, or High	Notes			
Spring to Summer	Forbs							All species perennials, unless otherwise noted. Monarchs are present March through May and again July through October in the Southern Plains.			
	1	Betonyleaf thoroughwort	<i>Conoclinium betonicifolium</i>		Blue	3	M	Distribution is limited to Texas. Very attractive butterfly plant.			
	2	Blackssmson echinacea	<i>Echinacea angustifolia</i>		Pink/purple	2	L	One of the more drought tolerant Echinaceas. Tolerates alkaline soils and well-drained clays.			
	3	Butterfly milkweed	<i>Asclepias tuberosa</i>		Orange/yellow	2	L	Monarch caterpillar host plant and nectar source for many bees.			
	4	Dakota mock vervain	<i>Gladiolus bipinnatifida</i>		Purple	1	L/M	Long bloomer, with consistent blooms from summer through fall.			
Spring to Fall	5	Spider milkweed	<i>Asclepias viridis</i>		White/yellow/green/purple	2	L	Monarch caterpillar host plant.			
	6	Whorled milkweed	<i>Asclepias verticillata</i>		White	3	L	Monarch caterpillar host plant.			
		Bearded beggaricks	<i>Bidens aristosa</i>		Yellow	4	H	Annual plant. Prefers wet soils.			
	7	Baldwin's ironweed	<i>Vernonia baldwinii</i>		Pink/purple	5	L	Grows under a variety of conditions; spreads via rhizomes.			
	8	Blue misflower	<i>Conoclinium coelestinum</i>		Blue/purple	3	M	Thin regularly to control spread by runners.			
Summer	9	Button eryngo	<i>Eryngium yuccifolium</i>		White	6	M	Can be aggressive self-seeder.			
	10	Canada goldenrod	<i>Solidago canadensis</i>		Yellow	5	M	Showy plant that attracts many bees and butterflies.			
	11	Compassplant	<i>Stiphidium lachnium</i>		Yellow	12	L	Drought tolerant. Looks similar to sunflower and attracts numerous pollinators.			
	12	Cusp blazing star	<i>Liatris punctata</i> var. <i>micronota</i>		Pink/purple	3	L	Liatris species in general are very attractive to monarchs.			
	13	Downy ragged goldenrod	<i>Solidago petiolaris</i>		Yellow	3	L/M	Very late-blooming plant, sometimes into November.			
Summer to Fall	14	Golden crownbeard	<i>Verbesina encelioides</i>		Yellow	3	L	Annual plant. Tolerates disturbed soils.			
	15	Gray goldenrod	<i>Solidago nemoralis</i>		Yellow	2	M	Tolerates poor and dry soils. Shorter than most other goldenrod species.			
	16	Lateflowering thoroughwort	<i>Eupatorium serotinum</i>		White	5	M	Nectar attracts bees, butterflies, and other insects. Seeds eaten by birds.			
	17	Maximilian Sunflower	<i>Helianthus maximiliani</i>		Yellow/brown	10	L	Very showy plant. Can be aggressive in the garden if not controlled.			
	18	Pitcher sage	<i>Salvia azurea</i>		Blue	5	L	Tough plant with long-blooming flowers. Does well in dry soils.			
Shrubs and Trees	19	Sneezeweed	<i>Helenium autumnum</i>		Yellow	5	L	Long-blooming annual.			
	20	White crownbeard	<i>Verbesina virginica</i>		White	6	L/M	Biennial plant. Does best when allowed to naturalize.			
	21										
	22	Purple prairie clover	<i>Dalea purpurea</i>		Purple	2	L	Provides nectar to many pollinator species. Host plant for the dogface butterfly. Good for erosion control.			
	23	West Indian shrubverbena	<i>Lantana urticoides</i>		Red/orange/yellow	3	L	Distribution is limited to Texas.			
Summer to Fall	24	Common buttonbush	<i>Cephalanthus occidentalis</i>		White	12	M	Fragrant, showy flowers that attract butterflies.			
	25										
	26										
	27										
	28										

Planting for Success

Monarch nectar plants often do best in open, sunny sites. You can attract more monarchs to your area by planting flowers in single species clumps and choosing a variety of plants that have overlapping and sequential bloom periods. Monarchs are present March through May and again from July through October in the Southern Plains. Providing nectar plants that bloom from early spring through fall will be important for breeding and migrating monarchs in the region.

Why Plant Native?

Although monarchs use a variety of nectar plant species, including exotic invasives such as lilac chastetree and chinaberry, we recommend planting native species. Native plants are often more beneficial to ecosystems, are adapted to local soils and climates, and help promote biological diversity. They can also be easier to maintain in the landscape, once established.

Tropical milkweed is a non-native plant that is widely available in nurseries. This milkweed can persist year-round in mild climates, allowing monarchs to breed throughout the winter rather than going into diapause. Tropical milkweed may foster higher loads of a monarch parasite called Oe (*Ophryocystis elektroscirrha*), which negatively impacts monarch health. Because of these implications, we recommend planting native species of milkweeds in areas where they historically occurred. You can read more about Oe in a fact sheet by the Monarch Joint Venture: http://monarchjointventure.org/images/uploads/documents/Oe_fact_sheet.pdf.

Protect Monarchs from Pesticides

Both insecticides and herbicides can be harmful to monarchs. Herbicides can reduce floral resources and host plants. Although dependent on timing, rate, and method of application, most insecticides have the potential to poison or kill monarchs and other pollinators. Systemic insecticides, including neonicotinoids, have received significant attention for their potential role in pollinator declines (imidacloprid, dinotefuran, clothianidin, and thiamethoxam are examples of systemic insecticides now found in various farm and garden products). Because plants absorb systemic insecticides as they grow, the chemicals become distributed throughout all plant tissues, including the leaves and nectar. New research has demonstrated that some neonicotinoids are toxic to monarch caterpillars that are poisoned as they feed on leaf tissue of treated plants. You can help protect monarchs by avoiding the use of these and other insecticides. Before purchasing plants from nurseries and garden centers, be sure to ask whether they have been treated with systemic insecticides. To read more about threats to pollinators from pesticides, please visit: www.xerces.org/pesticides.

Additional Resources

Publications & Resources

Gardening for Butterflies

The Xerces Society's newest book introduces you to a variety of butterflies who need our help, and provides suggestions for native plants to attract them, habitat designs to help them thrive, and garden practices to accommodate all stages of their life. Available through www.xerces.org/books.



Attracting Birds, Butterflies, and Other Backyard Wildlife

This award-winning book by the National Wildlife Federation's naturalist David Mizejewski is full of information on gardening for birds, pollinators and other wildlife, including illustrated how-to projects, recommended plant lists, and gorgeous color photos. You'll learn everything you need to know to create a Certified Wildlife Habitat. Available through <http://bit.ly/1Xhxfgu>.

Conservation Status and Ecology of the Monarch Butterfly in the U.S. Report www.xerces.org/us-monarch-consv-report

Pollinator Plants of the central U.S.: Native Milkweeds <http://bit.ly/1z7CX4U>

Milkweed Seed Finder www.xerces.org/milkweed-seed-finder

Websites

The Xerces Society www.xerces.org/monarchs

Monarch Joint Venture www.monarchjointventure.org/resources

Natural Resources Conservation Service www.nrcs.usda.gov/monarchs

National Wildlife Federation www.nwf.org/butterflies

Citizen Science Efforts in the Southern Plains

Journey North www.learner.org/jnorth/monarch

Monarch Larva Monitoring Project www.mlmp.org

Project Monarch Health www.monarchparasites.org

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STAFF REPORT TO THE COMMISSIONERS

Date: January 10, 2017

Agenda Item No: REPORTS/ANNOUNCEMENTS - A.

I. Subject:

Update from the KISD Green Club

II. Originated by:

Kelly Cooper, Director of Human Resources

III. Summary:

This item will allow the Green Club to provide the board an update on their activities

IV. Recommendation:

None

V. Attachments: