



**KEEP KENNEDALE BEAUTIFUL COMMISSION
AGENDA
REGULAR MEETING
January 12, 2016
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 the November 2015 meeting

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. Don't Mess with Texas Clean-up
2. Bring It Event
3. Butterfly Demonstration Garden
4. Windshield Litter Survey
5. Arbor Day Event
6. Parade

- B. Discuss 2016 activities related to the support of monarch butterfly migration program

VI. REPORTS/ANNOUNCEMENTS

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 12, 2016, 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 12, 2016

Agenda Item No: MINUTES APPROVAL - A.

I. Subject:

Consider action to approve minutes for the November 2015 meeting

II. Originated by:

Kelly Cooper, Director of Human Resources

III. Summary:

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

IV. Recommendation:

Approve

V. Attachments:

1.	Minutes November 2015	November 2015.docx
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Keep Kennedale Beautiful

Regular Meeting

November 10, 2015

- I. Call to order – 6:00 p.m.
- II. Roll Call –
 1. Michael Chandler
 2. Laurie Sanders
 3. Wilda Turner
 4. Darlene Winters
 5. Fred Winters
 6. Vickie Chandler
 7. Kelly Cooper
- III. Minutes Approval – Laurie motions to approve, Wilda 2nds – Approved
- IV. Visitor/Citizen Forum - N/A
- V. Regular items –
 1. Bring it Event – The Board thinks a spring event would be better, Kelly will check into booking a date in the spring.
 2. Trunk or Treat – Discussed the success of the handing out of the free trees.
 3. Windshield Survey – Vickie will contact the Green Club to check on the status.
 4. Arbor Day Event – The event was a rain out the Raptor people will come out on another date, Kelly will call to see if they will be available for our Dec. 5th Work Day at the Butterfly Garden. It was suggested that KKB put signs up in Sonora Park by the trees we had planted, Kelly will check on the signs and cost.
 5. Butterfly Garden Work Day – December 5th No plantings just mix in new expanded shale, compost and add more pine straw to the garden. After work in garden grill burgers and have the Raptor people out, Laurie will get the word out about the event once Kelly confirms the Blackland Raptor program. Stegall's Nursery has offered pansies to the City and the board discussed putting some pansies in the bed by City Hall side entrance.
 6. Monarch Migration - discussed different options to complete pledge commitments by spring, Wilda will research milkweed and nectar producing plants to complete #15 on the list. #2 on the pledge list is to launch a Public awareness program to encourage citizens to start their own monarch gardens.
 7. Adopt – a – Spot – another application to consider for approval for the Clark Family on Eden Rd. Board discussed areas around the family that could use attention; Kelly will contact the applicants to see what they would be comfortable with. Fred motions to approve, Laurie 2nds, Approved Two established spot adopters have not responded to requests from Kelly of their collection reports, Kelly will be a little more aggressive about obtaining a response from them.
 8. Board Officer Appointments -
 1. Chair – Michael Chandler, Wilda motions to approve him, Laurie 2nds – Approved
 2. Vice Chair – Fred Winters, Wilda motions to approve him, Darlene 2nds – Approved
 3. Secretary - Vickie Chandler, Darlene motions to approve her, Wilda 2nds –Approved

- VI. Reports/Announcements – Kelly had the board look over the boards contact list information sheet, addresses and phone numbers were updated.
- VII. Adjournment – 7:10 p.m.

Date: January 12, 2016

Agenda Item No: REGULAR ITEMS - A.

I. Subject:

Discuss and approve action to schedule KKB Calendar of Events

1. Don't Mess with Texas Clean-up
2. Bring It Event
3. Butterfly Demonstration Garden
4. Windshield Litter Survey
5. Arbor Day Event
6. Parade

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 items for the year

1. Don't Mess with Texas Clean-up
2. Bring It Event
3. Butterfly Demonstration Garden
4. Windshield Litter Survey
5. Arbor Day
6. Parade

IV. Recommendation:

Approve

V. Attachments:

Date: January 12, 2016

Agenda Item No: REGULAR ITEMS - B.

I. Subject:

Discuss 2016 activities related to the support of monarch butterfly migration program

II. Originated by:

Kelly Cooper, Director of Human Resources

III. Summary:

In support of the Mayor's Monarch Pledge, the Board finalize plans to meet the requirements of the program. At the November 2015 meeting we discussed various options for the program. We do have to complete at least three of the items one of those has to be from the "Program & Demonstration Gardens" section.

Darlene and I participated in the webinar December 15, 2015. Several communities presented their programs and provided ideas for implementation. St. Louis had the largest on-line presence with a page dedicated to the project including a place to register your garden on a Google map, information about how to create a garden and pictures of the plants to use, gardening and plant care tips.

We also discussed implementing a voucher program through Stegall's nursery. Stegall's is willing to work with us and will provide a plant sheet that is recommend for our area in supporting monarchs and other butterfly species.

Should the board decide to move forward, I will need some assistance in updating the attachments for the Texas climate and then developing the voucher, brochure and pledge for residents. We should plan to have everything complete by our March meeting in time to purchase and plant this spring.

We had also discussed contacting the school district to determine participation of Arthur or Delaney.

IV. Recommendation:

Approve

V. Attachments:

1.	Monarch Migration	MONARCH MIGRATION.pdf
2.	Program Options	ST LOUIS MONARCH PLEDGE.pdf
3.	Voucher Program	VOUCHER PROGRAM.pdf



September 18, 2015

Dear Monarch Supporter:

On behalf of the Texas Parks and Wildlife Department (TPWD) and Texan by Nature, please join us in welcoming the fall monarch butterfly migration back to Texas. To help celebrate this rite of fall, we invite you to the George W. Bush Institute in Dallas and on Tuesday, October 13th at 10:30 am for a press announcement. We will highlight conservation efforts Texans can make for monarch butterflies and other important native pollinators.

The annual fall migration of the majestic monarch butterfly from Canada to Mexico has begun. The butterflies' journey will cover approximately 3,000 miles and will culminate with a spectacular migration through Texas that peaks in October. Over the last decade, we have seen a 90% decrease in the migrating monarch population -- estimated to be nearly one billion in the 1990's and falling to an all-time low of 35 million in 2013. Recent surveys report a modest increase in their population in 2014, but there is still much we can do in our state to take care of this special species and its magnificent migration.

Given Texas' unique position along the monarch migration route, it is crucial for Texans to take a leadership role in conserving and enhancing monarch habitat. We want Texans to know they can help the monarchs complete their journey and continue to grow in number. Already, many groups are working to make Texas a leader in Monarch conservation. The U.S. Fish and Wildlife Service has launched a new major campaign and funding initiative, which will fund over \$1 million of projects in Texas alone. Over the last year, Texas Parks and Wildlife has partnered with the Texas Department of Transportation, the National Wildlife Federation and the Lady Bird Johnson Wildflower Center to promote the expansion of milkweed and nectar-producing pollinator gardens across our state. These "monarch waystations" serve as habitat for monarchs to produce successive generations and sustain their migration. Texas Parks and Wildlife has produced a statewide conservation plan for the monarchs that will help guide our efforts. Texan by Nature is bringing private land owners, businesses and faith based groups to plant Monarch habitat as part of our Monarch Wrangler initiative.

Please join us in taking care of this iconic species and all other native pollinators that are such an important part of our state's natural heritage. Let us know if we can count on you to join us in October by contacting David Eichler at 512-389-4949 or email at david.eichler@tpwd.texas.gov.

Sincerely,

Laura Bush
Founder, Texan by Nature

Carter Smith
Executive Director, TPWD

LB:CS:mk



Mayors' Monarch Pledge Action Items

Mayors and local government chief executives who have taken the Mayors' Monarch Pledge must commit to implement at least three of the 25 following action items within a year of taking the pledge. At least one action must be taken from the "Program & Demonstration Gardens" section. Mayors and local government chief executives taking more than eight actions will receive special recognition as part of the National Wildlife Federation's Mayors' Monarch Leadership Circle. NWF will follow up with all mayoral points of contact with a quarterly survey (1/1, 4/1, 7/1, 10/1) to monitor progress. Please visit www.nwf.org/mayorsmonarchpledge to take the pledge and access resources.

Communications & Convening:

- 1) Issue a Proclamation to raise awareness about the decline of the monarch butterfly and the species' need for habitat.
- 2) Launch a public communication effort to encourage citizens to plant monarch gardens at their homes or in their neighborhoods.
- 3) Communicate with community garden groups and urge them to plant native milkweeds and nectar-producing plants.
- 4) Convene city park and public works department staff and identify opportunities for revised mowing programs and milkweed / native nectar plant planting programs.
- 5) Convene a meeting with gardening leaders in the community to discuss partnerships to support monarch butterfly conservation.

Program & Demonstration Gardens:

- 6) Host or support a native plant sale or milkweed seed giveaway event.
- 7) Facilitate or support a milkweed seed collection and propagation effort.
- 8) Plant a monarch-friendly demonstration garden at City Hall or another prominent location.
- 9) Convert abandoned lots to monarch habitat.
- 10) Plant milkweed and native nectar plants in medians and public rights-of-way.
- 11) Launch a program to plant native milkweeds and nectar plants in school gardens by engaging students, teachers and the community.
- 12) Earn recognition for being a wildlife-friendly city by expanding your action plan to include other wildlife and habitat conservation efforts through a program like the NWF Community Wildlife Habitat program
- 13) Create a monarch neighborhood challenge to engage neighborhoods and homeowners' associations within the city to create habitat for the monarch butterfly.
- 14) Initiate or support citizen-science efforts that help monitor monarch migration and health.
- 15) Add milkweed and nectar producing plants in community gardens.

- 16) Expand invasive species removal programs to make it possible to re-establish native milkweed and nectar plants to the landscape.
- 17) Host or support a city monarch butterfly festival.

Systems Change:

- 18) Remove milkweed from the list of noxious plants in city weed / landscaping ordinances (if applicable).
- 19) Change weed or mowing ordinances to allow for native prairie and plant habitats.
- 20) Increase the percentage of native plants, shrubs and trees that must be used in city landscaping ordinances and encourage use of milkweed where appropriate.
- 21) Direct city property managers to consider the use of native milkweed and nectar plants at city properties where appropriate.
- 22) Integrate monarch butterfly conservation into the city's Park Master Plan, Sustainability Plan, Climate Resiliency Plan or other city plans.
- 23) Change landscape ordinances to support integrated pest management and reduced use of pesticides and insecticides.
- 24) Ban the use of neonicotinoid pesticides, or plants and seeds treated with neonicotinoid pesticides, on city lands.
- 25) California Specific: Pass a resolution to protect over-wintering monarch butterfly habitat on public and private lands.

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Forward

Mayors and other local government chief executives are taking action to help save the **monarch butterfly**, an iconic species whose populations have declined by 90% in the last 20 years. Through the National Wildlife Federation's Mayors' Monarch Pledge, cities and municipalities are committing to create habitat and educate citizens about how they can make a difference at home. There are four steps to taking and implementing the pledge.



Take the Pledge

By taking the Mayors' Monarch Pledge, you are committing to both restore habitat in your community and encourage your citizens to do the same. Read the **Mayors' Monarch Pledge** and then **take the pledge online!**

Specify Your Actions

We will follow up with the point person specified in the online pledge form and work to identify at least 3 specific actions that your community will take in the next year. Mayors who decide to take 8 or more actions will receive special recognition and become a member of the **Mayors' Monarch Pledge Leadership Circle**. Once these specific actions have been identified, communities will report their progress through a simple online survey form. Read the **Mayors' Monarch Pledge Action Items** and then **specify which actions you will take.**



Take Action

Once you have taken the pledge and specified which actions your community will take over the next year, **it's time to start taking action!** Over the next several months, NWF will be sharing best practices for cities and municipalities through our online resources page, occasional email updates, social media, and webinars. Please refer to **our resources page** for more details.

Report Progress

Once you have specified your actions and begun to take action we will ask communities to fill out a simple reporting form on a quarterly basis. The reporting process will only take about 5 minutes and the data we collect will allow us to track the collective outcomes and impact of our work.

GET OUR E-NEWSLETTER



Interested in the NWF Community Wildlife Habitat Program? Tell us a little more about your community. A NWF staff member will be in contact with you within 5 business days.

Latest Blogs

Declining Monarch Butterfly Finds Hope for Recovery in St. Louis [9/15/15]

My Time as an AmeriCorps Volunteer with NWF [8/18/15]

New Seattle Community Wildlife Habitat [8/10/15]

Austin, Texas Creates Habitat for the Declining Monarch Butterfly [8/03/15]

[More blogs on Community Wildlife Habitats >>](#)

City of St. Louis, MO

Milkweeds for Monarchs Garden Registration

Thank you for your participation in Mayor Slay's Milkweeds for Monarchs project, encouraging the creation of monarch butterfly habitats where people live, work and play. Please use this form to tell us about your monarch garden. We will track progress toward the goal of planting 250 monarch gardens in the City of St. Louis.

Submit your garden to the Milkweeds for Monarchs community map

Official Milkweeds for Monarchs Garden Criteria

We encourage you to meet the following criteria before registering your Monarch garden:

1. Garden is located in the City of St. Louis
2. Garden is newly planted in 2014 - 2015 (this may include adding to a pre-existing garden)
3. Garden contains 4 Milkweed plants representing at least 2 different Milkweed species
(Example: 2 Butterfly Weed plants and 2 Common Milkweed plants)
4. Garden contains 5 nectar plants representing at least 3 different species (Example: 2 Purple Coneflower plants, 2 Goldenrod plants, and 1 Black Eyed Susan plant)
5. In total, garden contains a minimum of 9 plants, covering at least 1 square meter
(approximately 9 square feet)

Tell Us About Your Monarch Garden Location

Street Address:

E.g. 1520 Market, omit apartment number





Milkweeds for Monarchs The St. Louis Butterfly Project

STL Monarch Mix - Plant List

Whorled Milkweed



Asclepias verticillata
Blooms June-July, White

Common Milkweed



Asclepias syriaca
Blooms June-Aug, Light Pink

Swamp/Marsh Milkweed



Asclepias incarnata
Blooms July-Aug, Pink

Purple Coneflower



Echinacea purpurea
Blooms June-Aug, Pale Purple

New England Aster



Symphyotrichum novae-angliae
Blooms Aug-Sept, Pink-Purple

Bee Balm/Bergamot



Native *Monarda* Species
Blooms July-Sept, Lavender

Goldenrod



Solidago drummondii
Blooms Aug-Sept, Yellow

Butterfly Weed



Asclepias tuberosa
Blooms June-July, Orange

Black-Eyed Susan



Rudbeckia fulgida
Blooms June-Oct, Orange-Yellow

Photos courtesy of Missouri Botanical Garden and Monarch Watch



This is an initiative of the City of St. Louis Office of Sustainability.
For more information on this or other sustainability initiatives in the City of St. Louis,
Contact Catherine Werner, Sustainability Director, Office of the Mayor
WernerC@stlouis-mo.gov or visit stlouis-mo.gov/sustainability





Milkweeds for Monarchs: The St. Louis Butterfly Project

Finding Monarch Garden Plants Spring 2015



For Gardening in Public Spaces

Brightside St. Louis is offering Milkweeds for Monarchs garden materials through their Neighbors Naturescaping Grant Program. To learn more call (314) 772-4646 or visit their website at www.brightsidestl.org/what-we-do/neighbors-naturescaping/

Program Launch: May 20th

St. Louis Urban Gardening Symposium: June 6th

Local Native Plant Sales

[Flora Conservancy](#) of Forest Park

Annual Plant Sale

Saturday, May 9, 2015

8 am - 3:30pm

[U City in Bloom](#)

Spring Plant Sale

April 25, 9am - 2pm

April 26, 11am - 2pm

[Missouri Wildflowers Nursery](#) at

Kirkwood Farmers' Market

Saturdays, 8 am-4 pm

[Missouri Prairie Foundation](#)

Native Plant Sale

Saturday, May 2, 2015

9 am - 3:00 pm

Native Plant Resource Guide

For a list of state and regional retail, wholesale and mail-order nurseries carrying native plants, visit the *Grow Native!* website at gownative.org/resource-guide/plants

A note about the STL Monarch Mix: these plants have been carefully selected to present the best-suited collection to support the monarch butterfly population. We recommend including as many milkweed plants and species as possible, as they are the most important for monarch breeding. If you are unable to find all of the plants in the STL Monarch Mix, use additional milkweed plants as needed. The use of locally-appropriate native plants and materials without chemical fertilizers or herbicides is strongly encouraged.

Local Nurseries and Garden Centers

The following local retail nurseries are some of the many supporting the Milkweeds for Monarchs initiative by carrying STL Monarch Mix plants.

[Bowood Farms](#)

4605 Olive Street

St. Louis, MO 63108

[Colors of Spring](#)

3298 Watson Rd.

St. Louis, MO 63139

[Garden Heights](#)

1605 S. Big Bend Blvd

Richmond Hts., MO 63117

[Greenscape Gardens](#)

2832 Barrett Station Road

Manchester, MO 63021

[Rolling Ridge Nursery](#)

60 N Gore Ave

Webster Groves, MO 63119

[Sugar Creek Gardens](#)

1011 N. Woodlawn Ave

Kirkwood, MO 63122

STL Monarch Mix



Whorled Milkweed
Asclepias verticillata



Common Milkweed
Asclepias syriaca



Swamp/Marsh Milkweed
Asclepias incarnata



Purple Coneflower
Echinacea purpurea



New England Aster
Symphyotrichum novae-angliae



Bee Balm/Bergamot
Native *Monarda* Species



Goldenrod
Solidago drummondii



Butterfly Weed
Asclepias tuberosa



Black-Eyed Susan
Rudbeckia fulgida



Milkweeds for Monarchs is an initiative of the City of St. Louis Office of Sustainability. For more information on this or other sustainability initiatives in the City of St. Louis, Contact Catherine Werner, Sustainability Director, Office of the Mayor WernerC@stlouis-mo.gov or visit stlouis-mo.gov/sustainability



Planting Your Monarch Garden

Supplies

To create a monarch garden, you will need the following materials:

- Approximately 1 square meter of soil that receives at least six hours of direct sunlight per day. One square meter is roughly 3 ft x 3 ft. If you prefer a rectangular layout, it will be roughly 2 ft x 5 ft.
- 1 pot or container of each plant species suggested in the **STL Monarch Mix**. Recommended: at least 4 milkweed plants (2 different species) plus 5 nectar plants (3 different species).
- Garden trowel or shovel
- Mulch (optional, but recommended)

Planting Instructions

1. Divide the area to be planted into nine squares, placing each plant about 12" from its neighbor. A rectangular layout is suggested to the right.
2. In the middle of each square, dig a hole roughly 6 inches deep and wide enough to fit the plant plug. A good rule of thumb is to dig a hole slightly larger than the container the plant plug came in.
3. Gently break up the roots of each plant plug and place the plants in the holes. Fill in lightly with soil.
4. Cover the entire monarch garden with a light layer of mulch.
5. Water your garden immediately, and then water daily.
6. After a couple of weeks, water every few days. Because these plants are native, they should only need occasional watering once they are established.
7. Register your monarch garden at stlouis-mo.gov/sustainability/ so we can track and map the project's progress.
8. Contact WernerC@stlouis-mo.gov to obtain a free Milkweeds for Monarchs yard sign for the registered garden.

Reminders

- Do not use pesticides or chemical fertilizers on or near your monarch garden.
- These flowers are likely to bloom at different times, and they may take a year or two to get established.
- Consult the **Plant Care Tips** sheet found online for ongoing maintenance of your garden.

STL Monarch Mix of Recommended Plants

WhorledMilkweed



Asclepias verticillata
Blooms June-July, White

PurpleConeflower



Echinacea purpurea
Blooms June-Aug, Pale Purple

Goldenrod



Solidago drummondii
Blooms Aug-Sept, Yellow

Black-EyedSusan



Rudbeckia fulgida
Blooms June-Oct, Orange-Yellow

ButterflyWeed



Asclepias tuberosa
Blooms June-July, Orange

Plant these taller species in the rear



CommonMilkweed*



Asclepias syriaca
Blooms June-Aug, Light Pink

Swamp/MarshMilkweed



Asclepias incarnata
Blooms July-Aug, Pink

Bee Balm/Bergamot



Native Monarda Species
Blooms July-Sept, Lavender

NewEnglandAster*



Symphyotrichum novae-angliae
Blooms Aug-Sept, Pink-Purple

* Some plants can grow to be very large, so they should either be placed in the back of the garden or in a location where they can be managed.

Photos courtesy of Missouri Botanical Garden and Monarch Watch



Milkweeds for Monarchs

The St. Louis Butterfly Project

About the Initiative

The City of St. Louis Urban Vitality & Ecology Initiative is a citywide effort to help connect people and urban nature. The dual goals of ***Milkweeds for Monarchs: The St. Louis Butterfly Project*** are to (1) increase monarch butterfly habitat and (2) help people experience the splendor of monarchs where they live, work, learn and play. Milkweeds for Monarchs advances a priority in the Mayor's Sustainability Action Agenda: to foster an enhanced connection between people and urban natural resources. Access to nature can improve health and well-being, such as by reducing stress and anxiety, as well as provide important learning opportunities and outcomes. Milkweeds for Monarchs also aligns with the City's Sustainable Neighborhood Initiative, as creating monarch gardens is an opportunity to enhance neighborhood aesthetics and to build relationships between members of the community.

To launch the project in 2014, Mayor Slay arranged to have the City plant 50 monarch gardens, and challenged the community to plant an additional 200 monarch gardens to celebrate the City's 250th birthday. In 2015, Milkweeds for Monarchs will expand to more neighborhoods and schools in the City of St. Louis.

In partnership with community plant and butterfly experts, the City has created a number of tools and resources to assist in the creation and maintenance of monarch gardens. There is a **STL Monarch Mix** of recommended plants to serve as a reference in establishing your monarch garden. These native plants have been carefully selected to provide the best combination of features for the butterflies, as well as one's personal enjoyment. **STL Monarch Mix** plants bloom at different times of the growing season, offering seasonal color and important butterfly food and nectar sources for the spring and fall monarch migration.

For updated information about Milkweeds for Monarchs, opportunities and resources, and to register a monarch garden planted in the City of St. Louis, please visit stlouis-mo.gov/sustainability/.



Photo credit: North Creek Nursery

Why Monarchs and Milkweed?

Famous for their remarkable 3,000 mile annual migration between Mexico and Canada, monarchs are important for their pollinator role in our ecosystem. Monarchs are iconic and easily recognizable; this makes them a unique symbol and educational tool for demonstrating the importance and joy of experiencing biodiversity in our everyday lives. The monarch butterfly population has declined more than 90 percent over the last two decades due to habitat loss and chemical use. Female monarchs depend on milkweed to lay their eggs and feed their caterpillar larvae. While other flower species can serve as nectar sources for butterflies, we need milkweeds to play host to monarch caterpillars so the monarch population can grow.



This is an initiative of the City of St. Louis Office of Sustainability.
For more information on this or other sustainability initiatives in the City of St. Louis,
Contact Catherine Werner, Sustainability Director, Office of the Mayor
WernerC@stlouis-mo.gov or visit stlouis-mo.gov/sustainability





Milkweeds for Monarchs: The St. Louis Butterfly Project Plant Care Tips



Whorled Milkweed
Thin and cut back new growth when the plant becomes overcrowded.

Purple Coneflower
Divide clumps when the plant becomes overcrowded (about every 4 years). It will provide birds with seeds and also self-seed if some of the seed heads are left in place.

Goldenrod
Divide clumps when the plant becomes overcrowded.

Common Milkweed
Remove seed pods before they split open, and thin and cut back new growth when the plant becomes overcrowded.

Since all of the STL Monarch Mix plants are native to Missouri, they will not require highly specialized care. However, these simple measures specific to each plant will go a long way in helping your garden flourish. Also, the entire garden should be watered

during times of drought, checked for weeds, and cut back in the fall. These plants require no fertilizers, though it is a good idea to add mulch around the plants. Please avoid using chemical products, such as pesticides, near your garden.

Swamp/Marsh Milkweed
Does best in a low spot and tolerates more moisture than the other plants. Do not transplant once established, as plants have deep taproots. Remove seed pods prior to splitting. Thin and cut back new growth when plant becomes overcrowded.

Bee Balm/Bergamot
This plant needs good air circulation, so make sure it has room. You can deadhead the plant to prolong the bloom period.

Gardening Terms

Deadhead- Remove dead flowers by snipping them with pruning shears or scissors.

Divide Clumps- If the plant becomes overcrowded, dig up the unwanted portion and transplant or share with friends.

Overcrowding- Plants look spindly, rather than bushy, and do not have room to grow.

Pinching back- Remove the new leaves and buds at the end of the stem to encourage branching. This should be done before the flower buds get large.

Seed pods- Either remove seed pods while still green to prevent the seeds from spreading, or let the pods dry on the plant and collect the seeds for future use. When the pods turn brown and start to split, save the seed to plant later.

Self-seeds- This means the plant will drop seeds which should grow the following year.

Staking- This is done if a plant gets too tall and starts to droop. Place a stake in the ground very near the plant and loosely tie the plant to the stake to give it support and help it stand up straight.

Thin and cut back- To avoid plant crowding, cut until there is adequate space between plants. Do this either shortly after buds appear in early spring or once flowering is finished in the fall.

New England Aster

Pinching back stems several times before mid-July will help limit plant height to 4 feet, promote bushiness and perhaps lessen the need for staking. The plant will self-seed in optimum growing conditions. If the foliage has become unsightly or unwanted self-seeding is occurring, the plant can be cut to the ground after flowering.

Butterfly Weed

Butterfly weed does not transplant well due to its deep taproot, and is probably best left undisturbed once established.

Black-Eyed Susan

To prolong the bloom, you may deadhead the plant. Divide clumps when the plant becomes overcrowded.



Milkweeds for Monarchs is an initiative of the City of St. Louis Office of Sustainability. For more information on this or other sustainability initiatives in the City of St. Louis, Contact Catherine Werner, Sustainability Director, Office of the Mayor WernerC@stlouis-mo.gov or visit stlouis-mo.gov/sustainability



City of St. Louis, MO

Milkweeds for Monarchs

The St. Louis Butterfly Project

About Milkweeds for Monarchs

On Earth Day 2014, Mayor Slay launched **Milkweeds for Monarchs: The St. Louis Butterfly Project** to foster the connection between people and urban natural resources where they live, work, learn and play. Milkweeds for Monarchs ([overview document here](#)) aligns with the City of St. Louis Urban Vitality & Ecology Initiative, is an effort that advances objectives in the City of St. Louis Sustainability Plan, and carries out a priority in the Mayor's Sustainability Action Agenda. The Mayor led the effort by having the City create 50 monarch gardens in 2014; most of these gardens are located at fire houses and City parks across the City. The Mayor challenged the community to plant an additional 200 monarch gardens to celebrate the City's 250th birthday. The program was expanded in 2015 to reach further into the community and to schools. News and resources relating to monarch gardens are listed below. Learn more about why the Mayor launched this exciting initiative:



- The City received a \$155,000 [Monarch Conservation grant from NWF](#) [www.nwf.org] for a new St. Louis Riverfront Butterfly Byway (Sept 2015)
- Mayor Slay launched the [NWF's Mayors' Monarch Pledge](#) [www.nwf.org] with National Wildlife Federation president, Collin O'Mara (Sept 2015)
- [Planting a Future for Monarchs](#) [www.fws.gov] - USFWS article featuring Milkweeds for Monarchs: The St. Louis Butterfly Project (August 2015)
- Catherine Werner's [webinar](#) [link.brightcove.com] presentation on urban monarch conservation, featuring Milkweeds for Monarchs (July 2015)
- City of St. Louis received an [\\$80,000 grant](#) [www.fws.gov] from USFWS (June 2015).
- [STL Monarch Origami](#) (April 2015)
- [U.S. Conference of Mayors Newsletter](#) (May 2014)
- [Community Builders Network Article: Building Community - One Butterfly at a Time](#) [www.communitybuildersstl.org] (July 2014)
- [Biophilic Cities Interview of Mayor Slay and Catherine Werner](#) [biophiliccities.org] (August 2014)
- [Milkweeds for Monarchs Initiative update](#) (Summer 2014)
- [STL TV's City Corner: Milkweeds for Monarchs interview with Catherine Werner](#) (August 2014)

Steps to Creating and Caring For Your Monarch Garden

Below are step by step instructions, with associated guidance materials, that are specific to a monarch garden. For information on [creating a pollinator garden](#), you may also want to visit this How To guide from the City's Sustainable Neighborhood Toolkit.

1. **DESIGN:** Review the [STL Monarch Mix](#) list of recommended plants.
2. **FIND:** Check the [Finding Plants Guide](#) if you need assistance locating STL Monarch Mix plants.
3. **CREATE:** The back side of the [Milkweeds for Monarchs Overview Brochure](#) has instructions for how to create a garden.
4. **SIGN:** Register your new Monarch garden (see below), request a free garden sign, and be kept apprised of events.
5. **CARE:** Follow the [Plant Care Tips](#) when caring for your Monarch garden.
6. **SHARE:** Enjoy your garden and the butterflies that visit! Share photos via wernerC@stlouis-mo.gov [] or Tweet them to [@GreeninSTL](#).
7. Use the [Journey North app](#) to report your monarch sightings.

Milkweeds for Monarchs Garden Criteria

We encourage you to meet the following criteria to register your garden on the City's map:

- Garden must be in the City of St. Louis.
- Garden should be newly planted in 2014-15 (this may include adding STL Monarch Mix plants to a pre-existing garden).
- Garden should contain 4 milkweed plants representing at least 2 different milkweed species (example: 2 Butterfly Weed plants and 2 Swamp Milkweed plants).
- Garden should contain 5 nectar plants representing at least 3 different species (example: 2 Purple Coneflower plants, 2 Goldenrod plants, and 1 Black-Eyed Susan plant).
- In total, garden should contain a minimum of 9 plants, covering at least one square meter (approximately 9 square feet).

Register your monarch garden and collect your free yard sign

[Register your Garden](#) to help reach the goal of creating 250 new monarch gardens in the City of St. Louis. After you have registered your garden, send an email with the garden address to WernerC@stlouis-mo.gov to reserve your sign, and pick it up in City Hall (Mayor's Office - Room 200) anytime between 9-5 Monday-Friday.

[View Map and Description of Monarch Gardens](#) registered in the City of St. Louis to check on the citywide progress!

Other Monarch Information

Check out the following resources to learn more about monarchs and monarch gardens:

Tips on [how to successfully grow milkweed](#) [www.monarchwatch.org] (from Monarch Joint Venture)

Bee-Toxic Pesticides Found in "Bee-Friendly" Plants Sold at Garden Centers [Gardeners Beware 2014 Report](#)

Guide to [Native Milkweeds-Pollinator Plants of the Central United States](#)

Plant Ecology, Seed Production Methods, and Habitat Restoration Opportunities: [Milkweeds-A Conservation Practitioner's Guide](#)

List of midwestern [Best Nectar Plants for Monarchs](#)

[Selected Readings and Resources](#), such as **monarch-related curriculum materials, citizen science and field guides**

[Various monarch materials - The Monarch Joint Venture](#) [monarchjointventure.org]



KENNEDALE

City of Kennedale

Native Plant Voucher Program

Part of the City of Kennedale's Urban Bird Treaty

PARTICIPATING NURSERIES

REDETA'S GARDEN

5111 W. Arkansas Lane
Arlington, TX 76013
(about a mile east of Green Oaks Blvd.)
817.451.2149
www.redentas.com

WESTON GARDENS

8101 Anglin Drive
Fort Worth, TX 76140
817.572.0549
www.westongardens.com

STEGALL'S NUSERY

5662 Wilson Rd
Fort Worth, TX 76140
817-483-0682
www.stegallsnursery.com

Voucher Number: _____

Amount: \$50.00 Staff Initials: _____

How does the program work?

Present this voucher at any participating nursery (listed to the left) and receive up to \$50.00 worth of native Texas plants.

What type of plants qualify?

Visit the North Texas Chapter of the Native Plant Society of Texas' website at <http://www.txnativeplants.org/> for a list of plants.

This voucher is redeemable for up to \$50.00 off your purchase. For purchases less than \$50.00, leftover funds will return to the voucher program.

Nurseries may substitute another non-invasive native Texas plant if plants on the NPST list are not available. Non-native plants may not be purchased with this voucher.

Funding for this program is supported by a Cooperative Agreement from the U.S. Department of the Interior, Fish and Wildlife Service. Mention of trade names or commercial products does not constitute their endorsement by the U.S. Government. The views and conclusions contained in this document are those of the authors and should not be interpreted as representing the opinions or policies of the U.S. Government.

Redenta's Garden



Stegall's Nursery



Weston Gardens



Call Before You Dig

The Oregon Utilities Coordinating Council asks you to "Dig Safely" by contacting them prior to digging to avoid injury from underground utilities.

Before planting a tree you need to call the utilities, this is the responsibility of the customer and not that of Lane County Department of Public Works.

Where to Call:
Oregon Utilities Coordinating Council

1-800-332-2344

Resources

There are numerous resources available to gather information related to tree care, tree planting and tree health and we have provided a few of these for assistance in your tree care practices.

- Pacific Northwest chapter of the International Society of Arboriculture
www.pnwisa.org
- Tree Link
www.treelink.org
- Eugene Tree Foundation
www.eugenetreefoundation.org

Lane County Approved Street Tree List

Lane County Department of Public Works has an Approved Street Tree List of trees that can be used for replacement in County rights-of-way. Street trees were selected based on factors that made them suitable for planting in urban environments. Street trees purchased with a County Tree Voucher must be selected from the County Tree list, unless otherwise approved by the County Vegetation Management Coordinator.

The Lane County street tree list can be viewed, along with descriptions of all the trees at our website listed below.

View the County Street Tree List:
www.lanecounty.org/Roads/Vegetation/Vegetation_Management.htm



TREE VOUCHER PROGRAM

Lane County Department of Public Works



Working For You

Phone: 541-682-6908
Web site:
www.lanecounty.org/Roads/Vegetation/Vegetation_Management.htm

Where To Plant Your Tree?



Street trees need to be planted in areas that do not obstruct visibility or limit sight distance that could reduce safety for motor vehicles, cyclists or pedestrians using County rights-of-way.

Street trees should be planted in areas that allow enough room for both the canopy and root zone to grow without conflicting with overhead utilities, sidewalks or other infrastructure to reduce the future risk of removal by County crews or utility companies.

Street Trees should be planted at a minimum distance of 15 feet away from driveway approaches, intersections, street signs or other areas of limited visibility to promote a high level of safety.

Do's and Don'ts

- Do not plant trees closer than 15 ft. from intersections, driveway approaches, road signs or traffic fixtures.
- Do not plant trees that grow taller than 15 ft. directly under power lines.
- Do not plant trees in areas that will conflict with road clearance or sidewalk clearance needs.
- Plan your plantings, know how your tree will grow and select the best space to insure both safety and tree health.
- Do not plant large trees within small planter strips, select the right tree for the right place.
- Ask your local nursery or arborist about how to best care for the tree you are purchasing.

How The Program Works?

- Citizens request a Tree Voucher from the Department of Public Works.
- Public Works provides a Tree Voucher and planting guidelines to the property owner upon approval by department staff.
- Tree Voucher can then be redeemed at participating nurseries when a tree is selected from the approved County Street Tree List.
- Property Owner is then responsible for the planting and care of the purchased tree.
- Lane County Department of Public Works may inspect the planting to insure the tree is planted in the proper location and is the correct tree for the planting location.

Participating Nurseries

Pleasant Hill Nursery

Duckworths Nursery

Bloomers Nursery

Johnson Brother Nursery

Tree Voucher Program

Lane County Department of Public Works developed a Tree Voucher program in 2007 to assist property owners in replacing street trees that have been removed by Lane County crews during maintenance activities.

This is a public assistance program that provides limited funds to replace street trees that citizens can utilize to purchase and re-plant trees on their property or along County rights-of-way.

The Tree Voucher program was made possible through partnerships between participating local nurseries and Lane County Department of Public Works.

Questions or Comments?

If you have any questions or comments regarding Lane County's Tree Voucher program, please feel free to contact the Vegetation Management Coordinator.

Phone: 541-682-6908

E-mail: orin.schumacher@co.lane.or.us

We thank you for your participation in this program, along with all of our cooperators.