

Systems Change Overview

May 23rd, 2017



18: Remove milkweed from the list of noxious plants in city weed / landscaping ordinances

Etowah TN,
Brookings SD,
Creve Coeur MO,
Burleston TX,
Westland MI,
Fayetteville AR,
Muskogee OK,
Gibson City IL,
Columbus OH,

Arlington VA,
Whitby Ontario
Deerfield IL
Pasadena CA



19: Change weed or mowing ordinances to allow for native prairie and plant habitats

Springdale, AR: Stopped mowing a riparian area along a stream

Fayetteville, AR: City ordinance where you fill out an application to let the city know you have native and/or non-invasive plants in your yard. Prevention against neighbors filing complaints. <http://www.fayetteville-ar.gov/3103/Naturalistic-Landscape>

Arlington VA,
Pflugerville TX,
Bettendorf IA,
Horseshoe Bay TX,
Belpre OH,
Gibson City IL,

and many others have established Grow Zones/ No Mow Zones, or changed mowing frequency/times to encourage milkweed and other native growth



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

Evansville, IN: 80% of plantings by the city arborist in the city and county use native plant and shrubs

Windham, CT: At least 25% native plants in all public town plantings

Concord, NC: Require 50% native species from each type of plants used

Arlington County, VA: Established a native plant nursery

- provide local ecotype propagation,
- provide local native plants not easily found in the nursery trade,
- provide us areas to try and grow rare local species.



21: Direct city property managers to consider the use of native milkweed and nectar plants at city properties where appropriate

Pflugerville, TX: Working with HOAs

Gibson City, IL: The city is planting 200 milkweed plants at Jordan Pond and Park.

Elk River, MN: “Energy City” Action Plan – plant 500 trees and 100 acres of native vegetation throughout the city by 2024.

Garden City, KS: Butterfly Garden is part of Lee Richardson Zoo's Master Plan

Richmond Hill, Ontario: Environment Strategy has a Naturalization Strategy to prioritize publically owned land for naturalization and locate potential private lands for naturalization efforts.

Arlington, TX: Changed spaces in 4 parks into native areas and have put out butterfly seed mixes along with native milkweed. Met with city leaders to discussed planting milkweed and had a seed give away to upper management.

Elmhurst, IL: Using municipal sites as models of natural landscape choices. The Elmhurst Park District EPD has ten different park areas that host bee hotels for native bees. Some of the hotels hold 1000 bees; other areas have several posts with holes drilled in them, accommodating 75 to 100 bees.



22: Integrate monarch butterfly conservation into the city's Park Master Plan, Sustainability Plan, Climate Resiliency Plan or other city plans

Dallas, TX: The Parks Renaissance Plan and the City's Sustainability Plan expanded native and wildflower areas by 700+ acres.

Grapevine, TX: Parks and Recreation Master Plan defines **E**nvironmentally **S**ensitive **A**rea designations. Identified approx. 1,000+ acres (which represents 70% of the total park acreage) in the city as ESA's. The City can remove invasive flora from these areas and to reintroduce native species to encourage a natural habitat.

Bryan, TX: Hope to include a monarch garden in construction of new pocket park.



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San Antonio, TX: Sustainability Plan includes monarch conservation and native plants

Water use in San Antonio is efficient and per capita consumption does not increase over time.	NR4	<p>★ Public's Top Choice</p> <p>Assess and develop new pilot programs, and expand existing programs, to phase large commercial buildings off of potable water use for landscaping.</p>	These programs will include strategies and incentives for encouraging commercial buildings to use drought tolerant landscaping, rainwater harvesting, and recycled water from building systems for landscaping.	Incentives, Program
	NR5	Expand and promote incentives for native plants and low-water use landscaping and other residential water conservation strategies.	Incentives will be designed to promote residential water conservation and enhance onsite stormwater management with native and other sustainable plants.	Incentives
San Antonio is a leader in the preservation of critical habitat for native and migratory species.	NR11	Meet the requirements of and apply to become a National Wildlife Federation (NWF) certified Wildlife-Friendly Community.	Wildlife-Friendly Community Certification involves education and outreach, along with a certain number of homes, schools, and common areas becoming NWF Certified Wildlife Habitats by providing the 4 basic elements that all wildlife need: food, water, cover and places to raise young.	Education, Program
	NR12	Develop and implement a strategy to protect and enhance native habitat (i.e. milkweed) of the monarch butterfly and other migratory or endangered species.	The strategy will develop new strategies and utilize existing plans, such as the Edwards Plateau Habitat Conservation Plan, to promote biodiversity in San Antonio and preserve critical habitats.	Assessment, Program



23: Change landscape ordinances to support integrated pest management and reduced use of pesticides and insecticides

Sunrise, FL: Change in code which included:

1. Removing requirement for fertilizing upon planting
2. All applications of pesticides products to be installed by a person who is in compliance with state law, federal law, and Florida-Friendly Best Management Practices

Evanston, IL: Passed a resolution to use Integrated Pest Management



24: Adopt pesticides practices that are not harmful to pollinators

Evanston, IL: Have reduced the use of neonicotinoids, but still use neonicotinoids in the Emerald Ash Borer inoculation chemical

Elmhurst, IL: Van Voorst Park became pesticide free park, and 50+ Residents have pledged to be a pesticide free yard.

Pasadena, CA: Public Works not using pesticides in new pollinator gardens.

Ann Arbor, MI: Follow Integrated Pest management. Through the Bee City USA and Bee Safe Neighborhoods programs, community volunteers reach out to their neighbors to educate them about the dangers of pesticides to pollinators.

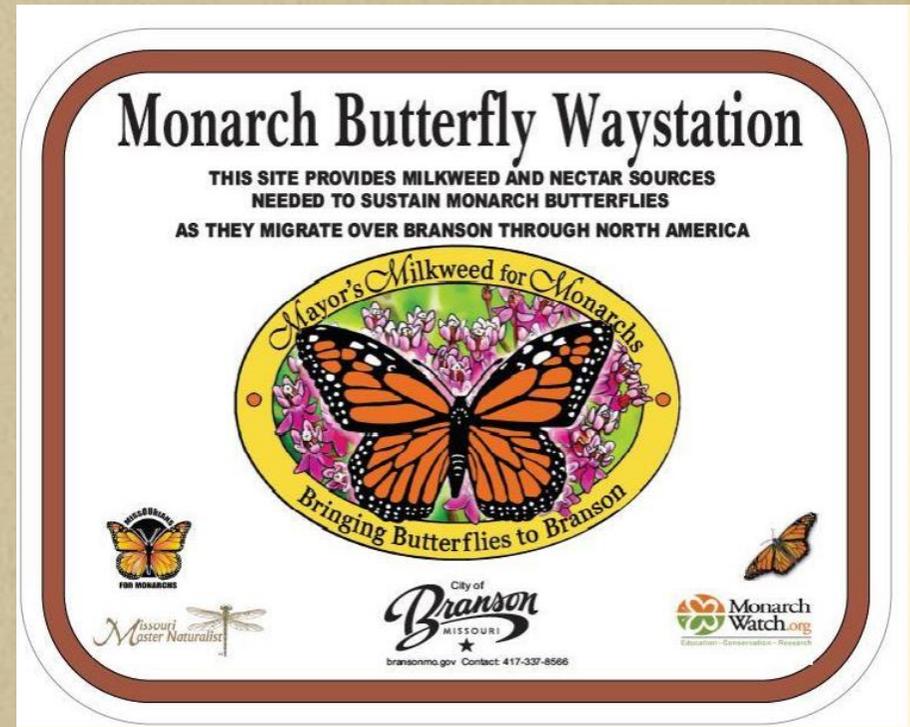


Interesting Actions

Evansville, IN: Working with Indiana Senator Vaneta Becker on State Bill 470 to have *Asclepias tuberosa*, Butterfly weed named the Indiana State Wildflower.

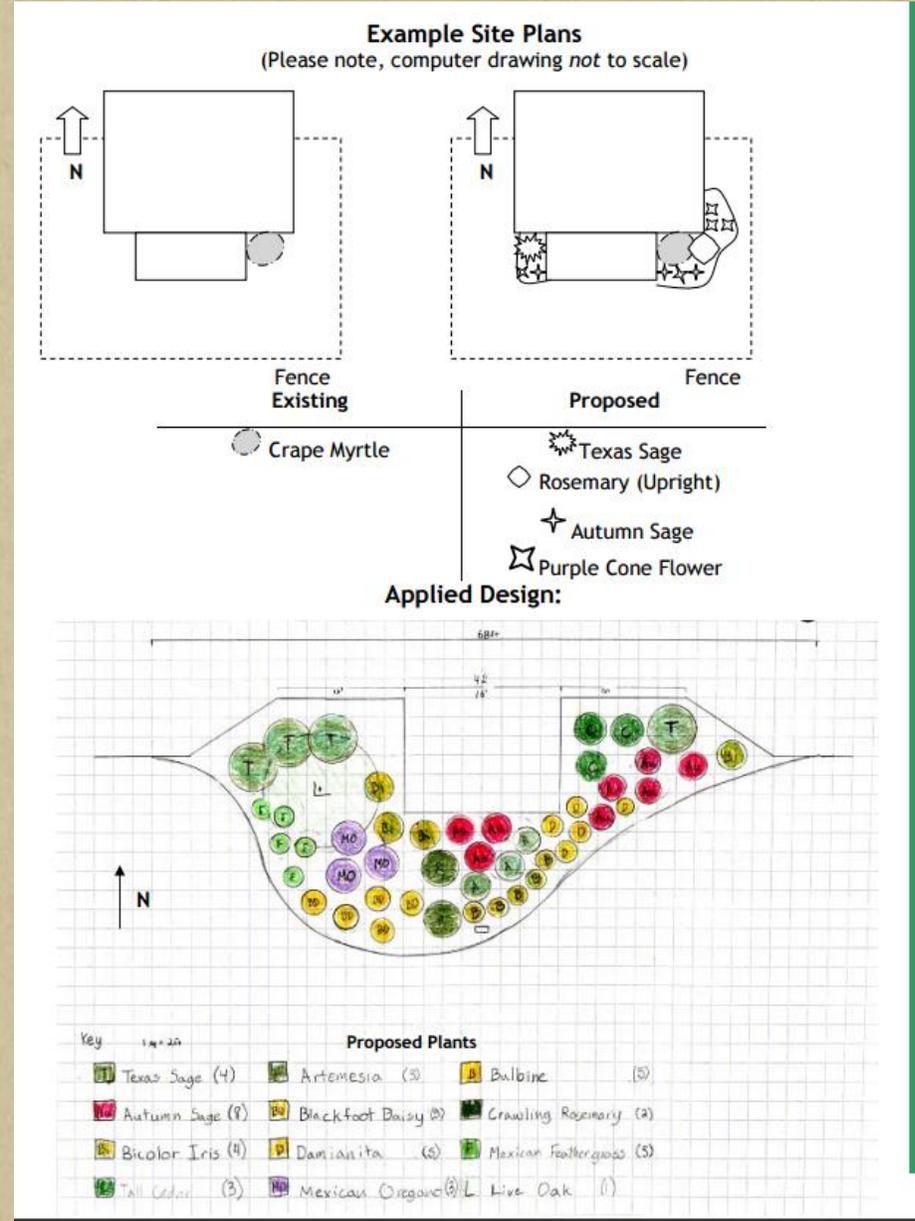
Branson, MO: Create a garden with at least 4 milkweed and 5 nectar plants, register garden with city, and get a sign designed by the city

<http://www.bransonmo.gov/592/Mayors-Milkweed-for-Monarchs>



Pflugerville, TX: Drop by Drop Rebate program

- Can earn \$50-500 in rebates on plants and mulch
- Must be applied for in advance of planting, with detailed plans
- Must use plants on approved list
- Staff member inspects



Example Plans



www.pflugervilletx.gov/dropbydrop

Question and Answer

LaJuan Tucker - LaJuan.Tucker@austintexas.gov

Megan Tinsley - Megan.Tinsley@njudubon.org

Patrick Fitzgerald - FitzgeraldP@nwf.org

Dot Boisen - BoisenD@nwf.org

