

Resource Management & OneSTL: Building a prosperous, healthy & vibrant St. Louis Region

**Governor's Conference on Natural Resources
2014**



OneSTL.org

- *Many Communities, One Future*
- *OneSTL advances a prosperous, healthy and vibrant future for St. Louis communities and the entire region.*



A Major Collaborative Effort

- A regional plan created with:
 - 11 partner organizations
 - 10 committees
 - 200+ committee members
 - 40 municipalities in 11 planning areas
 - 2,000+ residents in
 - 50+ organizations identify strategies in the plan
 - 75 separate studies and reports

Plan Focus

- More transportation choices
- Affordable housing
- Regional economic competitiveness
- Support existing communities
- Coordinated policies and investment
- Healthy communities and neighborhoods
- Conservation of natural resources

OneSTL.org

Plan for a Prosperous, Healthy, Vibrant St. Louis Region



MISSOURI ILLINOIS

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Search...

ONESTL is a Plan for Sustainable Development that includes a Vision, Goals and Objectives that outline what the people of St. Louis want for the future of the region as well as Strategies, Tools and Resources for achieving the OneSTL Vision.

-  [Read the Plan](#)
-  [Watch the Video](#)
-  [Join the Network](#)
-  [Explore the Toolkit](#)



PROSPEROUSHEALTHYVIBRANT

What's Going On?

- » Partner Spotlight - St. Louis Earth Day
- » Creating a Beloved Community - A Public Forum to Present the Findings of the Missouri Civic Health Index
- » East-West Gateway Board Approves OneSTL Plan

How are we Doing?

See how the region is progressing in meeting its goals by viewing data and information on over 50 indicators of performance.



Get Involved

Residents, local governments, non-profit organizations, and businesses all have an important part in building a sustainable future for the St. Louis region. Find out how you can Get Involved in making the St. Louis region prosperous, healthy and vibrant.

Resources: Studies

REPORTS

Many reports, studies and how-to manuals were completed as part of the regional planning process. These reports are resources to assist OneSTL Network Members with implementation of the plan and achieving the OneSTL vision and goals.

The reports are categorized into eight categories. Click on the category name to display a summary of the available documents and a link to the full documents in PDF format.



Bicycle and
Pedestrian
Planning



Codes and
Ordinances



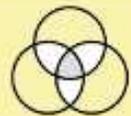
Community
Development



Environment



Housing



Sustainability Plans



Transit Oriented
Development



Transportation



Other Reports

Resources

Maps & Data

[St. Louis Region](#)

[St. Louis Regional Data Exchange](#) ↗

[EWG Map Library](#) ↗

Reports

[Bicycle and Pedestrian Planning](#)

[Codes and Ordinances](#)

[Community Development](#)

[Environment](#)

[Housing](#)

[Public Engagement](#)

[Sustainability Plans](#)

[Transit Oriented Development](#)

[Transportation](#)

[Other Reports](#)

Illustrations

[Downtown Mainstreet](#)

[Mixed-Use District](#)

[Small Town Downtown](#)

[Residential Neighborhood](#)

[Office Employment Area](#)

[Neighborhood Shops](#)

Sustainable Zoning and Subdivision Ordinance Revisions
Saint Louis County, Missouri



DIAGNOSIS
STAFF REVIEW DRAFT: SEPTEMBER 2011

Clarion Associates
Farr Associates
Spencer Fane Britt & Browne

625 17th Street, Suite 2250
Denver, Colorado 80215
303.530.2590
www.clarionassociates.com

A Roadmap for Green Infrastructure
Creating a vision for a connected system of green infrastructure in Southwestern Illinois.



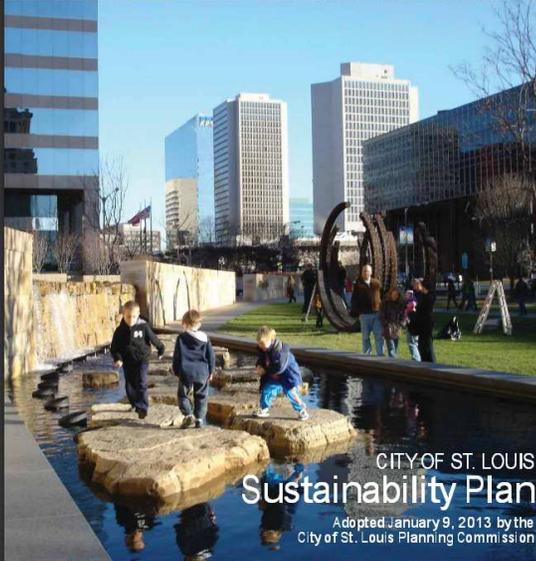
HEARTLANDS CONSERVANCY
Investing In The Nature Of Southwestern Illinois

Fair Housing Equity Assessment

July 2013



ONE STL
Many Communities. One Future.
The Metropolitan St. Louis Equal Housing and Opportunity Council



CITY OF ST. LOUIS Sustainability Plan
Adopted January 9, 2013 by the City of St. Louis Planning Commission



STREETS FOR EVERYONE 

Low-Stress Connections for the St. Louis Region

 trailnet
Bicycle & Pedestrian Connections

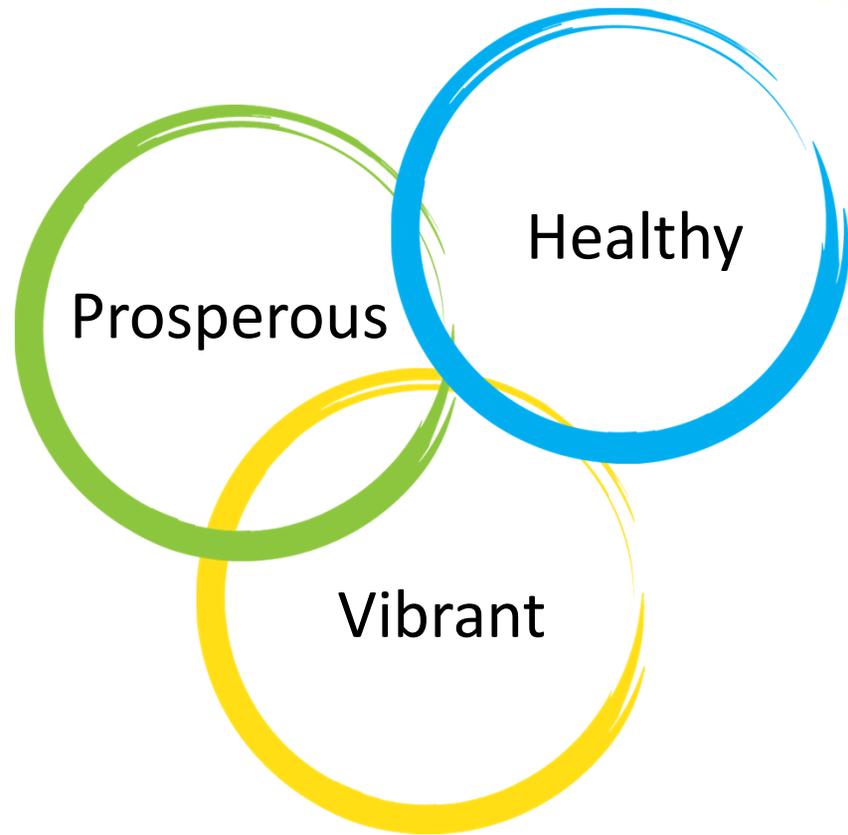
DESIGNWORKSHOP ST. LOUIS TOD FRAMEWORK PLAN
St. Louis, Missouri
July 2013



Many Communities. One Future.

OneSTL Themes

- Collaborative
- Prosperous
- Distinctive
- Inclusive
- Green
- Prepared
- Connected
- Efficient
- Educated



Goals, Objectives, Strategies

Collaborative

“It is important to recognize, in a way that really matters, **our essential bond as a region**. Metropolitan areas have become economic and social units that compete for resources, jobs, and people with urban regions throughout the nation and world.”

– Jerry Blair, *East-West Gateway*



St. Louis has the 3rd highest number of municipalities per capita of peer regions

Goal 1: Facilitate coordinated regional leadership.

Objective: **Strengthen the OneSTL network of regional leaders to enable collaboration and strategic allocation of resources.**

- » *Strategy:* Create an Advisory Committee to advise and encourage implementation of OneSTL.
- » *Strategy:* Use outreach and presentations to bring additional partner organizations into the regional initiative.
- » *Strategy:* Dovetail Livable St. Louis Network activities with OneSTL.
- » *Strategy:* Continue leadership immersion training programs for regional citizens.
- » *Strategy:* Reach out to anchor institutions and identify opportunities for enhancing implementation of OneSTL.
- » *Strategy:* Use OneSTL network during the development of large-scale planning efforts to solicit input and feedback from a diverse cross-section of agencies.

EWG

EWG,
OneSTL
Network

Trailnet,
LSLN

FOCUS

OneSTL
Network

OneSTL
Network

Distinctive

- ▶ **Goal 1: Strengthen the identity of the region.**
- ▶ **Goal 2: Invest in existing communities.**
- ▶ **Goal 3: Increase diversity of housing stock.**
 - ▶ **Objective 1: Increase the availability of affordable housing.**
 - ▶ **Objective 2: Increase the availability and variety of accessible housing options to accommodate changing family and individual housing needs.**
 - ▶ **Objective 3: Increase understanding of the need for housing options in all communities.**
- ▶ **Goal 4: Foster active and healthy lifestyles.**
- ▶ **Goal 5: Reduce combined housing and transportation costs.**
- ▶ **Goal 6: Increase safety of neighborhoods.**

Green Goals

- 1. Protect the quality of our natural resources and environment**
- 2. Plan for and invest in green infrastructure**
- 3. Guarantee clean water for all citizens**

Green Goals

- 4. Exceed clean air standards**
- 5. Provide increased access to nature for all citizens**
- 6. Promote municipal sustainability planning**
- 7. Protect open areas**

Green Goal 1

Protect the quality of our natural resources and environment.

1. Strengthen public understanding of the value of our natural resources in supporting healthy communities, healthy economy and healthy citizens.
2. Encourage local governments to use EWG's natural communities and ecological significance data in planning.
3. Develop a culture that understands and values regional and local sustainability.

Green Goal 3

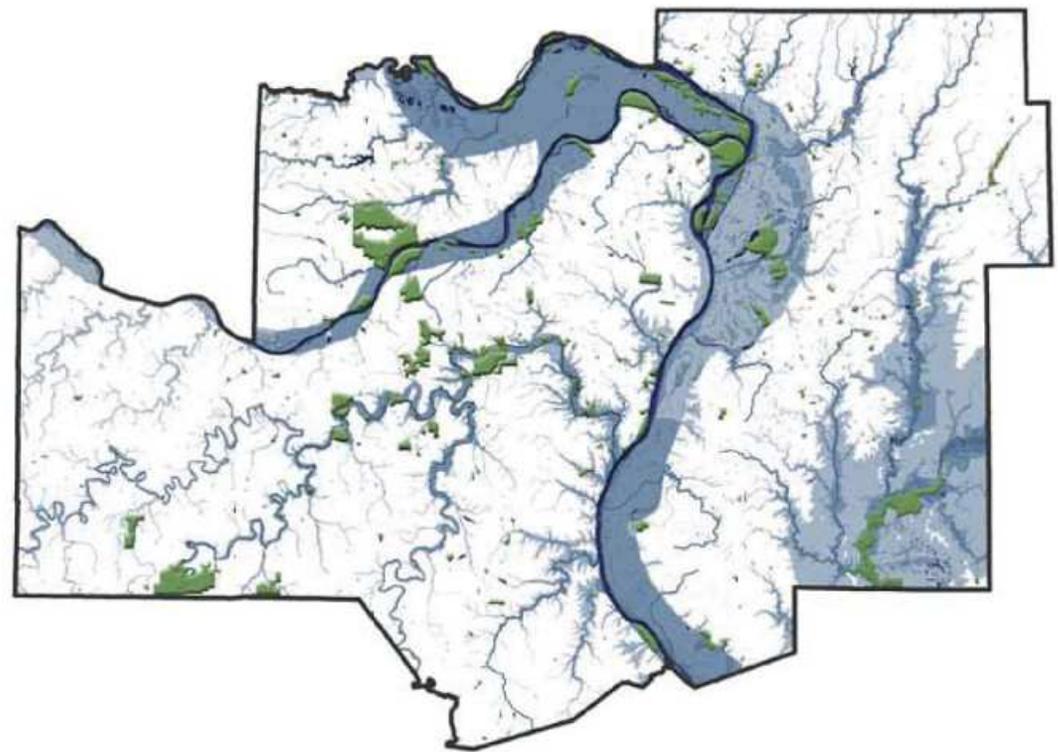
Guarantee Clean Water for all citizens

1. Improve the health of our watersheds and waterways for drinking, aesthetics, and recreation.
2. Promote rainscaping as a way individual property owners can help to reduce stormwater runoff and improve water quality.

Blue Gray & Green Infrastructure

An interconnected & multi-functional **network of blue, gray, & green** infrastructure enhances water quality & reduces costs to local governments & citizens.

Blue, Gray & Green Infrastructure Opportunities



Blue, Gray & Green Infrastructure

Blue Infrastructure

- Natural system of water ways
- Engineered practices that mimic natural systems

Gray infrastructure

- Built Infrastructure that conveys water, waste water; also people & products

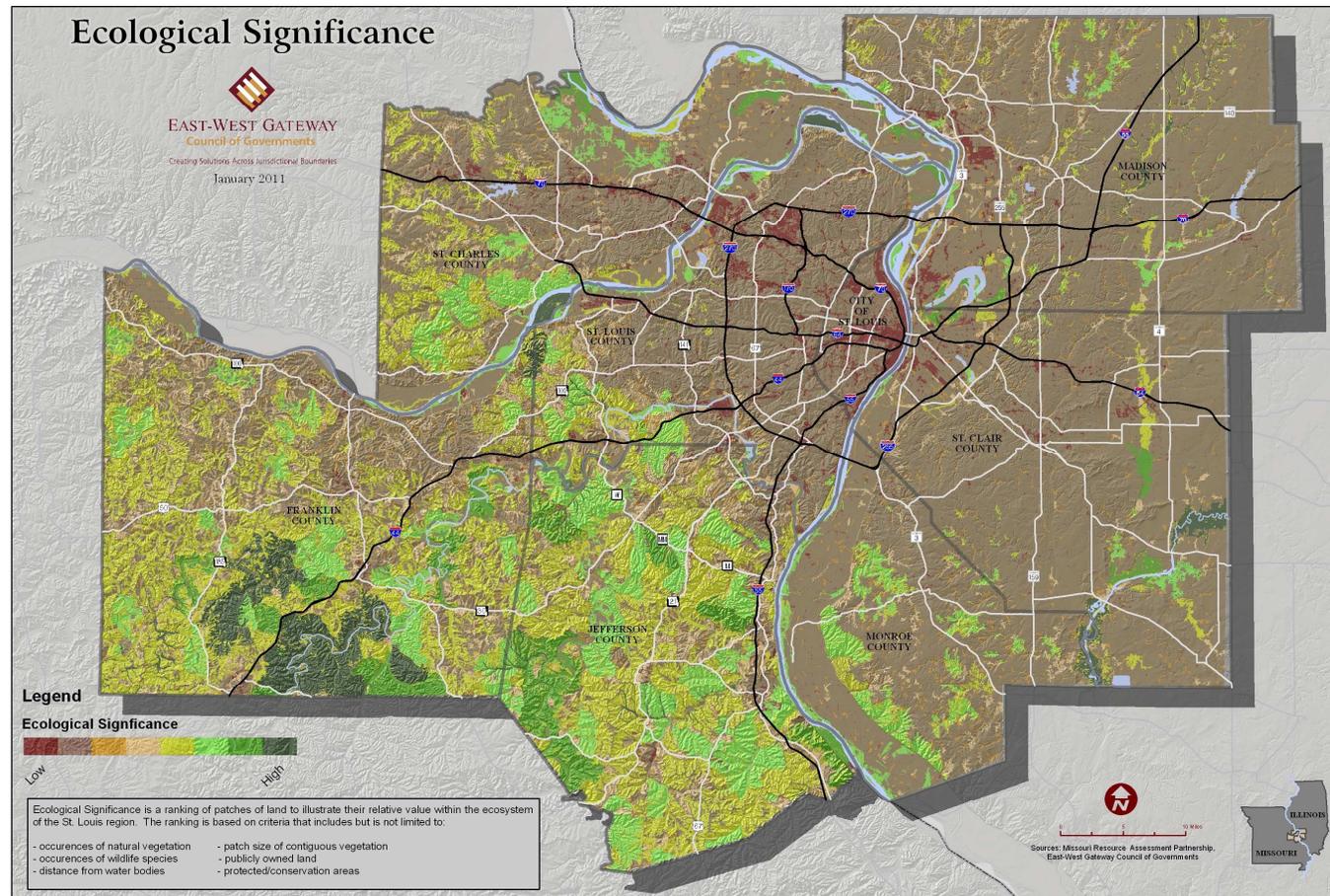
Green Infrastructure

- Nodes and corridors of vegetation
- Site Scale projects that support natural processes (*Rainscaping*)

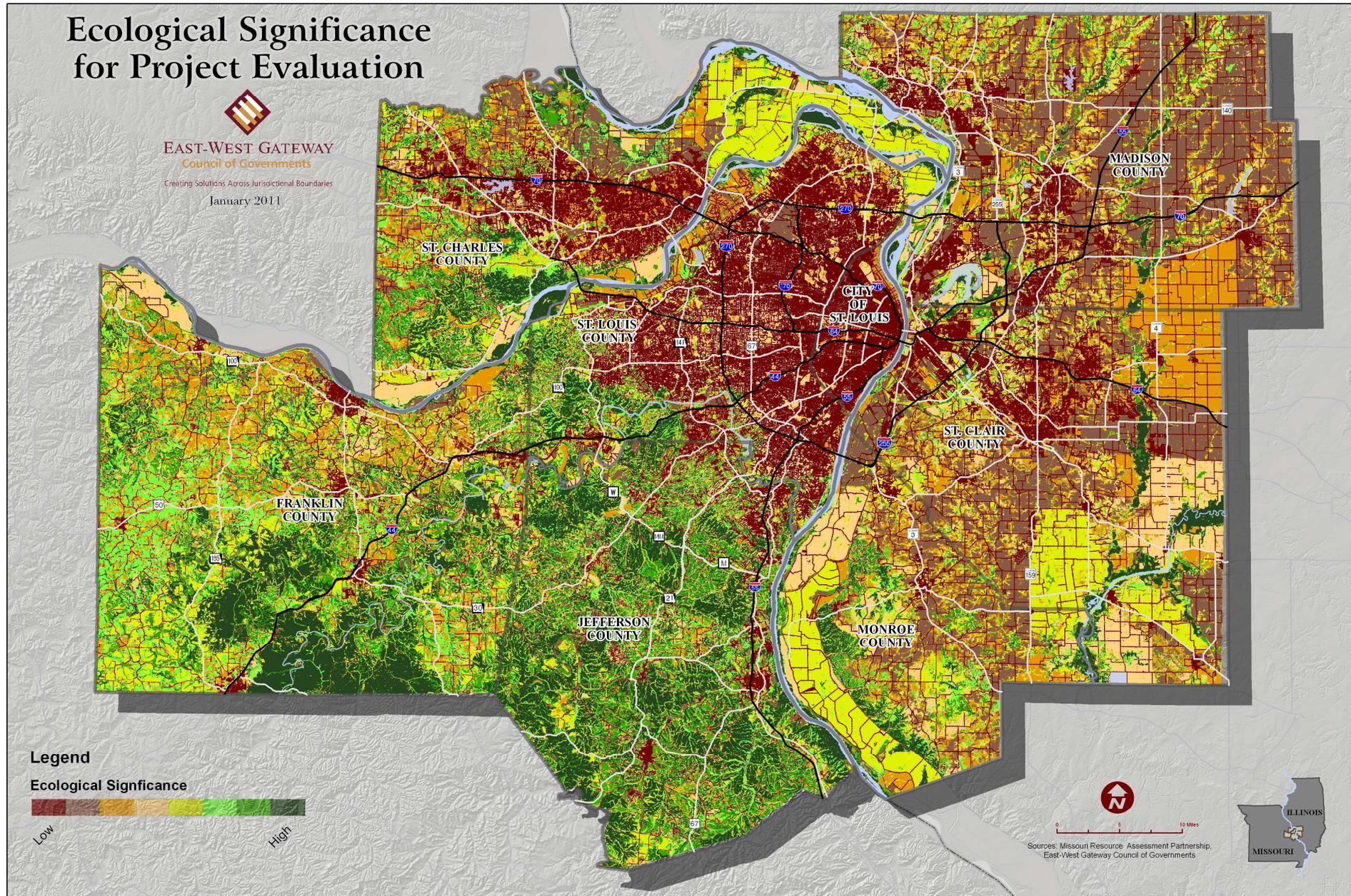
Regional Ecological Significance

Factors

- Vegetation
- Wildlife
- Patch size
- Public land
- Distance from water bodies
- Protected/
Conservation
Areas
- Soils



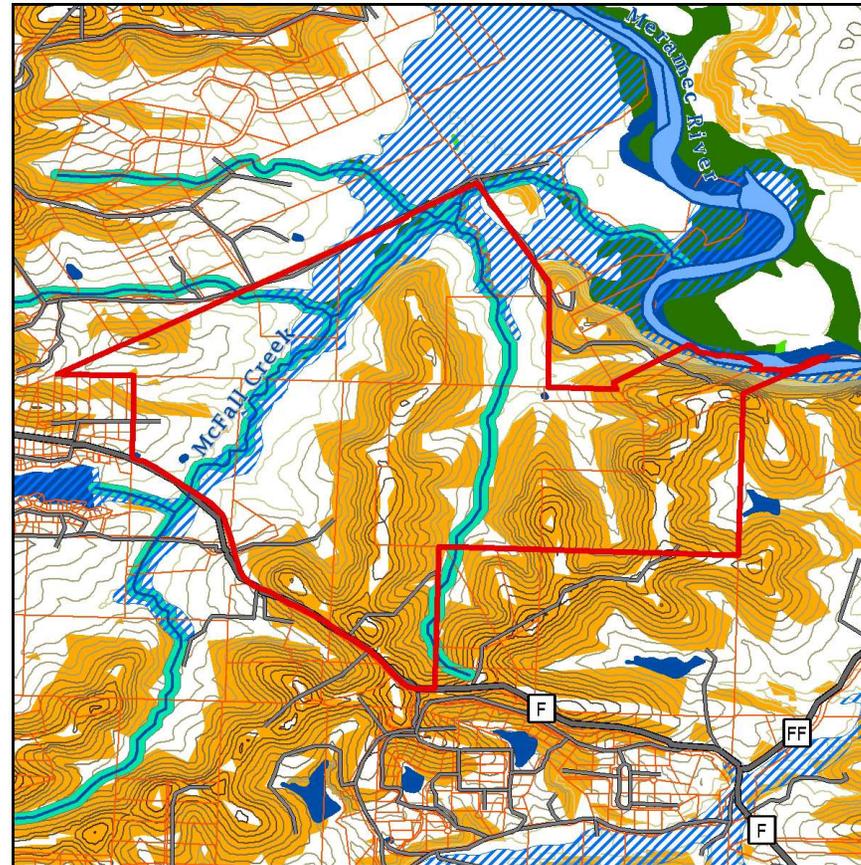
Ecological Significance: Projects



Tool for Site Level Planning

Conservation Design

- 260 Homes
 - 1/3 to 3/4 Acre Lots
- Development Impact
 - 160 Acres
- Comparable Rural Development:
 - 5 Acres: 167 Lots
 - 3 Acres: 260 Lots



Conservation Design
in
South Pacific, MO

Development
Considerations

- Project Area
- Parcels, 2003
- Flood Hazard Area
- Slope 15% or greater
- Stream Buffer, 100 ft
- National Wetland Inventory
 - Emergent Wetland
 - Forested/Shrub Wetland
 - Pond or Riverine

0 0.25 0.5 Miles


EAST-WEST GATEWAY
Council of Governments
Creating Solutions Across Jurisdictional Boundaries

July 2007

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SUSTAINABLE SOLUTIONS TOOLKIT

[Browse by Issue](#)[List Solutions](#)

FILTER BY KEYWORD

Optionally, you can refine the search using the following filters.

WHAT

 Air Quality Land Use Resource Management Water Quality Energy Efficiency Local Food/Urban Agriculture Stormwater/Flooding Housing Native Plants/Trees Transportation

WHO

 Elected/Appointed Official Local Business Owner Local Government Staff Consultant/Industry Professional Resident/Citizen

WHERE



Urban Core



Urban Center



General Urban



Suburban



Rural



Natural



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RAIN GARDENS

IN A NUTSHELL

A rain garden is a landscape depression with native deep-rooted plants and amended soil designed to to slow down, temporarily store, and treat stormwater.

PRACTICAL SOLUTION

[The "How To"](#)[Planning & Zoning](#)[Dollars & Cents](#)[Measuring Success](#)[Case Studies](#)[Discover More](#)

HOW TO BUILD A RAIN GARDEN

A rain garden is a type of Low Impact Development (LID) stormwater management Best Management Practice (BMP). BMPs can be utilized in residential and commercial settings to reduce the need for stormwater transportation and treatment, reduce flooding and improve water quality! Rain gardens capture & hold stormwater while it slowly infiltrates into the ground, reducing runoff, replenishing ground water supplies and reducing nonpoint source pollution, which provides clean water to local rivers, streams, wetlands, and lakes.

[Browse by Issue](#)[List Solutions](#)

WHAT

[Land Use](#) | [Native Plants/Trees](#)
[Stormwater/Flooding](#)
[Water Quality](#)

WHO

[Local Government Staff](#)
[Resident/Citizen](#)
[Local Business Owner](#)
[Consultant/Industry Professional](#)

WHERE

[General Urban](#) | [Suburban](#)

RELATED SOLUTIONS

- [Rainscaping](#)
- [Bioswales](#)
- [Native Landscaping](#)
- [Pervious Pavement](#)

RELATED MAPS

- [St. Charles County Hydrography - Water Course](#)

You are here: [Home](#) > [Toolkit](#) > [List Solutions](#) > Rain Gardens

Search... 

RAIN GARDENS

IN A NUTSHELL

A rain garden is a landscape depression with native deep-rooted plants and amended soil designed to to slow down, temporarily store, and treat stormwater.

PRACTICAL SOLUTION

-  The "How To"
-  Planning & Zoning
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-  Measuring Success
-  Case Studies
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HOW TO BUILD A RAIN GARDEN

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-  Case Studies
-  Discover More

Browse by Issue

[List Solutions](#)

WHAT

- Land Use | Native Plants/Trees
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WHO

- Local Government Staff
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- Consultant/Industry Professional

WHERE

SUSTAINABLE SOLUTIONS LIST

Practical Solutions

- Accessory Dwelling Units** Updated 1/07/2014 11:46 AM
- Affirmatively Furthering Fair Housing** Updated 1/30/2014 10:00 AM
- Bicycle and Pedestrian Facilities and Programs** Updated 1/30/2014 12:11 PM
- Bioswales** Updated 1/07/2014 11:47 AM
- Brownfield Redevelopment** Updated 1/07/2014 11:48 AM
- Building and Energy Codes** Updated 2/03/2014 10:21 AM
- Carpooling** Updated 1/07/2014 11:50 AM
- Cisterns** Updated 1/07/2014 11:52 AM
- Climate Action Plan** Updated 1/31/2014 02:19 PM
- Cohousing** Updated 1/07/2014 11:55 AM
- Community Emergency Response Team (CERT)** Updated 1/07/2014 11:56 AM
- Community Gardens** Updated 1/07/2014 12:12 PM
- Community Supported Agriculture (CSAs)/Food Co-Ops** Updated 1/10/2014 01:39 PM
- Complete Streets** Updated 1/10/2014 01:42 PM
- Composting** Updated 1/07/2014 12:17 PM
- Connectivity Indexes (Transportation Network Design)** Updated 1/07/2014 12:29 PM
- Conservation Easements** Updated 1/31/2014 02:18 PM
- Conservation Subdivision Design** Updated 1/10/2014 12:38 PM
- Crime Prevention Through Environmental Design** Updated 1/07/2014 12:43 PM
- Density Bonuses** Updated 7/27/2013 06:06 AM
- Drought Awareness & Preparedness** Updated 12/05/2013 01:32 PM
- Educating the Public on Sustainability** Updated 12/31/2013 09:17 AM
- Electronics Recycling** Updated 12/20/2013 08:58 AM
- Employer Assisted Housing** Updated 7/27/2013 06:06 AM
- Energy Efficiency** Updated 2/03/2014 10:14 AM

Toolkit

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- [List Solutions](#)

Filter

Keyword

What

- Air Quality
- Energy Efficiency
- Housing
- Land Use
- Local Food/Urban Agriculture
- Native Plants/Trees
- Resource Management
- Stormwater/Flooding
- Transportation
- Water Quality

Who

- Elected/Appointed Official
- Local Government Staff
- Resident/Citizen
- Local Business Owner
- Consultant/Industry Professional

and

Where

- Urban Core
- Urban Center
- General Urban
- Suburban

Metrics



Prosperous

Indicator	Definition	Desired Trend	Baseline	Current
Economic Resiliency	Diversity of employment by sector, measuring the ability of the economy to adapt to change (0= high resiliency and 1= low resiliency)	↓	-	-
Access to Jobs	Percent of residents living within a reasonable travel time to job centers	↑	-	-
Poverty	Percent of residents living in poverty	↓	12.90%	13.40%
Quality Jobs	Percent of jobs with a median wage higher than self-sufficiency wage for a 1 adult, 1 child household	↑	48.10%	46.00%
Employment	Number of full time equivalent jobs	↑	971,094	1,001,726
Unemployment	Unemployment rate	↓	9.70%	7.50%
Income	Personal income per capita (in 2011 dollars)	↑	\$40,983	41,518
GMP	Gross Metropolitan Product - the market value of all goods and services produced in the region (2005 chained dollars)	↑	\$112.7 billion	\$114.1 billion
Economic Clusters	Employment in cluster industries identified by the Regional Chamber and Southwestern Illinois	↑	-	-

Metrics

Green

Indicator	Definition	Desired Trend	Baseline	Current
Developed Land per Capita	Number of developed acres per capita	↓	2011 0.26 acres	-
Air Quality	Average # days / year the EPA Air Quality Index exceeds 100 for ozone	↓	2007 17.3 days 2009 -	2011 24.7 days 2013 -
Rainscaping	Acres of land treated for stormwater overflow using water quality best management practices	↑	2010 1,526 acres	2012 3,019 acres
Tree Cities	Percent of municipalities that are certified by Tree City USA	↑	2010 20.8%	2013 20.3%
Tree Canopy	Percent of land with tree canopy cover	↑	2010 / 39.0% 2012 -	-
Watershed Plans	Number of watersheds with a plan or active organization	↑	2010 8	2013 17
Water Quality	Percent of assessed streams and rivers that are impaired (polluted)	↓	2012 36.2%	-
Sustainable Codes	Percent of local governments with energy conservation and/or a green construction code	↑	2013 80.4%	-

The OneSTL Network

- *Evolution of committees and partners*
- *Open invitation to government agencies, businesses, organizations, individuals*
- *Implementation committee and working groups*
- *Register here:*



Moving OneSTL Forward

Green Infrastructure/ Ecological Significance:

- City of St. Louis, ***Sustainability Agenda***
- Missouri Botanical Garden, ***BiodiverseCity***
- Metropolitan Sewer District, ***Project Clear***
- Department of Conservation, ***Urban Conservation***
- Heartlands Conservancy, ***Green Infrastructure Plan***

Transit Oriented Development

- Metro, Citizens for Modern Transit, Municipalities

Complete Streets/ Revitalizing Downtowns

- Trailnet, Great Rivers Greenway, Local Governments

Community Development

- St. Louis County, Non-Profits (Rise, Beyond Housing)
- Private/Local/State/Fed partnerships



Discussion

Contact :

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www.OneSTL.org

