



Environmental Stewardship

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SEPTEMBER 14, 2021

TONIGHT'S AGENDA

- Review Council Goal 7 Environmental Stewardship
- Inventory of City Programs Supporting Environmental Stewardship
- Potential Steps Forward



GOAL 7: ENVIRONMENTAL STEWARDSHIP

Goal 7: Environmental Stewardship	
Objective 1: Hazard Recovery	Policy I&S 4 - Be a prepared and resilient community with City infrastructure and services that can recover quickly from the effects of severe weather and natural hazards, and which manages growth and development to reduce risks. Code Update - Tree Nuisance and Abatement
Objective 2: Water Conservation	Policy ENV 3 – Continue to be a leader in promoting and incentivizing wise water use, water-saving measures, and water conservation and re-use. Water Resources Management Plan
Objective 3: Re-assess Tools and Methods	Policy ENV 7 - Continue to explore viable and cost-effective ways to assist Littleton residents and businesses in reducing their solid waste generation, and to offer expanded recycling options. Environmental Stewardship Inventory
Action(s) - I&S 5, I&S 13, ENV 2, ENV 3, ENV 6	

STEWARDSHIP WORKING DEFINITION

Environmental Stewardship is pursuing a balanced approach for a vibrant community today and tomorrow through the efficient delivery of services and resilient infrastructure in an environmentally, economically, and socially responsible way. Recognizing the community as a series of interconnected systems, including natural and local, that function together to provide the quality-of-life citizens desire and acknowledge that the whole operates as a dynamic interconnected system – a change to one part of the system will affect other parts of the system.

2021 STEWARDSHIP INVENTORY

- All city departments included
- Look back to prior and current programs
- Briefly define each program/practice and categorize
- Ascertain transferability within the organization



INVENTORY FINDINGS

127

Current activities support environmental stewardship

30

Existing goals in city plans with some ties to stewardship

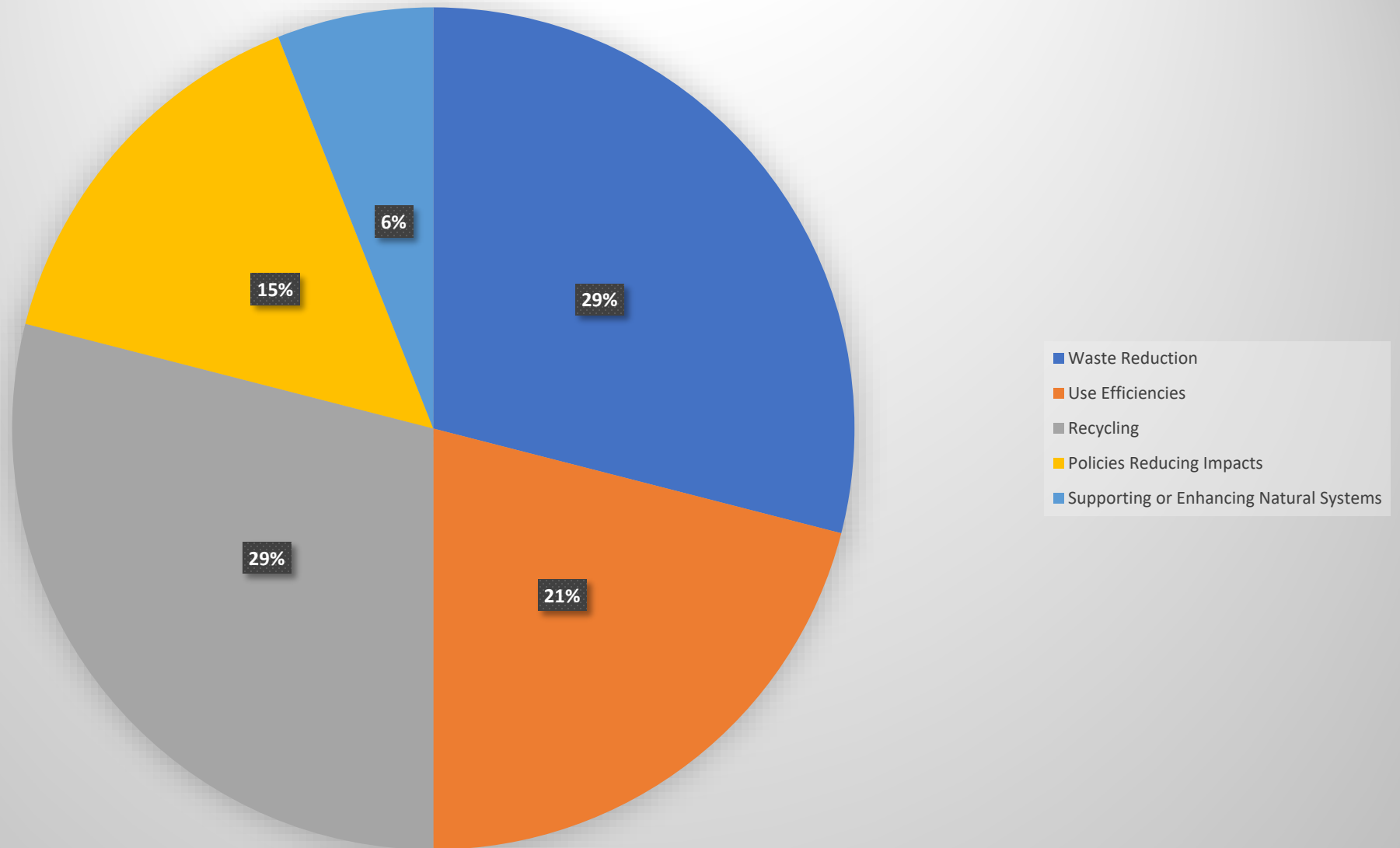
- Envision Comprehensive Plan
- Transportation Plan
- Parks, Recreation & Trails Vision Statement

INVENTORY STRATEGY

- Identify programs and practices supporting stewardship
- Categorize into 5 primary categories

Waste Reduction	...is a set of processes and practices intended to reduce the amount of waste produced.
Use Efficiencies	...generates more value through technology and process changes reducing resource use throughout the program's lifespan.
Recycling	...collecting and reprocessing a resource so it can be used again.
Policies Reducing Impacts	...this category focuses on both internal and external facing policies, both formal and informal, that establish standards of practice that reduce environmental impacts.
Supporting or Enhancing Natural Systems	... programs and practices that improve or revitalize natural environmental surroundings and resources.

Percentage of Practices by Category



HISTORICAL TRENDS

- The city has some programs that have been in place for 20 plus years while several are recent. In the 1990's, the city averaged one new program or policy per year. There was a small uptick in the 2000s, but implementation of new programs remained low.
- Beginning in 2014 there has been a significant jump in new programs and projects averaging more than 6 per year with a high of 14 new programs in 2019.



INVENTORY HIGHLIGHTS – WASTE REDUCTION

- Substantial paper reductions – Clerk, IT, Comm Dev
- Reduction of supply needs and repurposing – Museum, PW
- Growth of digital platforms including customer facing
- Large item disposal and recycling drop-off days
- Renewables/low emission sourced products
- Homeless camp cleanup and processing impacting water quality

INVENTORY HIGHLIGHTS – USE EFFICIENCIES

- Recycling and conversion of organic waste – PW
- Annual tree sale program (6,160 trees) – PW
- Low phosphorus fertilizer - PW
- Building Automated Systems reducing energy consumption
- Utilization of local vendors in appropriate circumstances
- Asset management tools increase preventative and proactive maintenance in Sewer and Stormwater utilities, and Facilities Management

INVENTORY HIGHLIGHTS – RECYCLING

- Recycling collection at city facilities
- Traffic signal upgrades including LED and solar
- Traffic marking transition to longer lasting and eco-friendly
- Electronic work order systems increase parts reuse and driven down replacement cycles



INVENTORY HIGHLIGHTS – POLICIES

- Renewable resourcing
- Electronic workorders systems across the city
- Fleet optimization
- Printer management plan
- Public Engagement Toolbox – more non-paper-based tools
- Community gardens support and enhancement



INVENTORY HIGHLIGHTS – NATURAL SYSTEMS

- Stormwater policies support reduction of impervious surfaces
- Overhaul of median and right-of-way management and design to incorporate native and low water species
- Cataloging of critical water use systems, risk assessments, and asset management planning
- Reduction of sewer and stormwater flows and products carry excess chemical components into the water system

OPTIONS FORWARD - RECOMMENDED

- Establish “values” statement and environmental stewardship definitions
- Proceed with existing programs
- Implement 2021/22 Workplans
 - Water Resources Master Plan
 - Irrigation Assessment and capital plan
 - Stormwater development standards finalization
 - City plan for fleet electrification and grant acquisitions
 - Open Space, Trails, and Recreation Plan Update
 - Energy efficiency in city projects

OPTIONS FORWARD – FULL SCALE PLAN

- Establish “values” statement and environmental stewardship definitions
- Proceed with existing programs
- Implement 2021/22 Workplans
- Develop Environmental Stewardship Plan
 - 12-24 months
 - New resources necessary – people, dollars, public engagement

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- Review Council Goal 7 Environmental Stewardship
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- Questions & Discussion

