

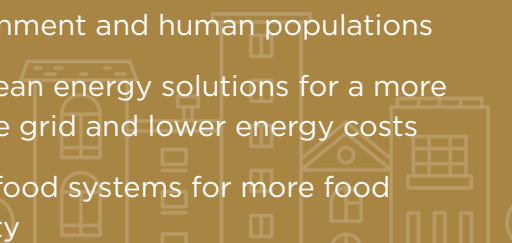
# Parks and Recreation: Operations

## Environmental Policies and Plans

### Climate Sustainability Plan

- Develop outreach and education on employee recycling program
- Take advantage of the existing recycling infrastructure, add bottle recycling to community centers
- Adopt office practices that reduce the volume of waste
- New City office equipment should be ENERGY STAR compliant

### Comprehensive Plan

- Focusing on Sustainability and Resilience
  - Green Infrastructure designed to withstand climate impacts like flooding and heat, while reducing burden on the environment and human populations
  - Use clean energy solutions for a more reliable grid and lower energy costs
  - Local food systems for more food security
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### Green Purchasing: What it Means

The EPPP mandates that all departments actively seek out and prioritize environmentally preferable products and services. This translates to:

- **Lifecycle Thinking:** Consider the full environmental impact of products and services from manufacturing through disposal. Favor options with lower energy consumption, fewer hazardous materials, and those made from sustainable or recycled content.
- **Waste Reduction Focus:** Prioritize products that reduce waste, are easily recyclable, and support overall waste minimization across City operations.
- **Vendor Engagement:** During the procurement process, inquire about vendors' sustainability practices and product environmental certifications.

### Park Maintenance & Facility Supplies

Extend EPPP principles to daily park operations, including:

- **cleaning supplies** (less toxic)
- **landscaping materials**
- and **office supplies** (recycled content).

### Green Purchasing Policy

- The City of East Lansing operates under a formal **Environmentally Preferable Purchasing Policy (EPPP) (Resolution 2017-2)**, a city-wide mandate guiding all procurement decisions.
- This policy directly instructs the prioritization of sustainable choices: environmentally preferred products and services, comparable in quality and function, can be purchased with an up to 10% price differential.

### Green Purchasing: Events

Event & Festival Supplies:

- **Waste Reduction Focus:** Think about alternatives for single-use plastics (e.g., cups, plates, cutlery, decorations, signage).
- **Recycled/Sustainable Content:** Opt for paper products, banners, and other event materials made from recycled or sustainably sourced content.
- **Energy & Water Efficiency:** When procuring or renting equipment for events (e.g., lighting, sound systems, temporary facilities), consider their energy and water efficiency.

## Vendor Engagement

When contracting with vendors for events (e.g., catering, waste hauling, setup crews) or products, ask about:

Their **sustainability practices**

Their ability to provide **environmentally preferable options**.

## Utilizing the 10% Price Differential

Remember that you have the flexibility to choose a **more sustainable product or service even if its price is up to 10% higher**, provided it meets your operational needs.

This "Green Incentive" helps make greener choices possible.

## 100% Renewable Energy Policy

### City Council Policy Resolution 2020-1

This resolution sets an ambitious and binding goal for the City to derive **100% of its electric energy from renewable resources** and associated technologies **by 2030**.

### 100% Renewable Energy: What it means

- **5% Annual Energy Reduction:** The City is required to reduce energy consumption by at least 5% annually across all Government facilities. Focus on **smart energy management** and **operational efficiencies** within your work.
- **Energy Audits and Benchmarking:** Facility management must support the **City's ongoing energy audits** and energy **benchmarking efforts**. Prioritize tasks flagged in these audits of your facility.
- **Sustainable Procurement:** All new equipment and systems procured for Parks facilities should be selected with an understanding of their total energy footprint. Prioritize technologies that can integrate effectively with a **renewable energy-powered** environment.
- **Efficient Upgrades:** In planning for Capital repairs, renovations, or new construction within municipal facilities, seek out and implement **energy efficiency improvements**. Consider how new designs can reduce overall energy load, and support the integration of on-site renewable energy systems where feasible.

This material is based upon work supported by the Department of Energy and the Michigan Department of Environment, Great Lakes, and Energy (EGLE) under Award Number EE0008653. The views expressed herein do not necessarily reflect those of the United States Government or any agency thereof. Find this document and more about the CLC Fellowship that supported this project at [graham.umich.edu/clcf](http://graham.umich.edu/clcf).



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# Parks and Recreation: Construction

## Environmental Policies and Plans

### Green Building Policy (Policy Resolution 2009-01)

This policy reduces environmental impact, conserves resources, and improves efficiency in City buildings and operations.

#### Key Directives for Parks Staff and Municipal Projects:

- **Applicability:** Applies to all new municipal construction and renovation.
- **New Construction:** New municipal buildings >5,000 sq ft must achieve minimum LEED-NC Silver.
- **Renovation:** Incorporate green building/low impact design in renovations where possible.

### Green Purchases: Office

#### 10% Green Purchasing Incentive:

Purchasing more sustainable options is encouraged as long as they're less than 10% more expensive than your standard purchase.

#### Bathrooms and Kitchen:

Upgrading to low-flow water fixtures is encouraged! Consider paper, aluminum, or reusable alternatives to single use plastics for cups, plates, and cutlery.

**Printing:** Opt for paper products made from the most recycled paper material. Set printers and copiers to automatically make double-sided copies.

### Soil Erosion and Sedimentation Control Ordinance

This ordinance protects waterways, drainage, and habitats by regulating all City land disturbances. Parks projects must comply with DPW procedures and permitting.

#### Key Directives for Parks Staff and Municipal Projects:

- **Applicability:** Projects disturbing >225 sq ft within 500 ft of water, or >6,000 sq ft elsewhere, require a DPW SESC permit. Confirm with Engineering.
- **Early Engagement:** Engage DPW Engineering early for permit/cost guidance.
- **Contractor Expectations:** Ensure SESC requirements, design, and erosion measures are in project bids/contracts.

### Tree Protection Ordinance

This ordinance governs public and private tree protection, managing trees in public rights-of-way and parks for health, safety, and vitality.

#### Key Directives for Parks Staff:

- **DPW as Your Go-To:** DPW manages public trees and contracts.
- **When to Contact DPW:** Contact DPW for questions, assessment, or removal of diseased, damaged, or hazardous trees.
- **Work on Trees:** Never work on a public tree without consulting DPW; all work is tracked and implemented by DPW (Parks leads decisions for park trees).
- **Contractor Requirements:** Ensure contractors follow the City's Tree Manual and approved standards.



## Wetland Protection Ordinance

East Lansing's Wetland Ordinance aims for no net loss of wetlands, vital for water filtration, flood control, and habitat.

### Key Directives for Parks Staff:

- For municipal construction/soil disturbance in regulated wetlands, or to determine State rule applicability, contact DPW early.

## Renewable Energy (Policy Resolution 2020-1)

East Lansing aims for 100% renewable electric energy by 2030, mandating 5% annual energy reduction across City facilities and regular benchmarking.

### Key Directive:

- Assess solar/renewable potential on public land/buildings, integrating feasibility into all new facility/park/land improvement plans.

## Coal Tar Seal Coat

This ordinance governs public and private tree protection, managing trees in public rights-of-way and parks for health, safety, and vitality.

### What Parks Staff Need to Know:

#### Ensure compliance for City projects:

- **Verify Registration:** Require sealcoat contractors are City-registered.
- **Ensure Compliance:** Contracts must prohibit coal tar/high-PAH products; specify alternatives.

## Pollinator-Friendly Community Resolution

This ordinance governs public and private tree protection, managing trees in public rights-of-way and parks for health, safety, and vitality.

### Key Directives:

- **Design:** Prioritize native, pollinator-friendly landscapes in park projects.
- **Pesticide Use:** Minimize chemical pesticide use; maintain policy.
- **Mowing:** Reduce mowing for pollinator forage.
- **Procurement:** Purchase landscaping materials not pre-treated with systemic pesticides.
- **Education:** Provide pollinator education resources.

## Post-Construction Stormwater

This ordinance requires new development to manage increases of on-site stormwater, preventing runoff/pollution from new impervious surfaces.

### Key Requirements for City Projects:

- **Applicability:** Applies to municipal building projects and land disturbances  $\geq 1$  acre. Engage DPW Engineering early.
- **Guidance:** Manual contains detailed criteria; contractors must comply.
- **Design:** Prioritize Low Impact Development (LID) techniques, satisfying both Post-Construction and Pollinator-friendly goals.
- **Maintenance:** Long-term maintenance of stormwater facilities required.

