Environmental and Sustainability Management System (ESMS)

City of Alexandria
Department of Recreation Parks and Cultural Activities

Overview and Certification Process
ISO 14001
What is ESMS?

An environmental management system is a set of management processes and practices that allows an organization to analyze, control and reduce the environmental impact of its activities and services and increase its operating efficiency.

Business benefits include:

Improved environmental performance, enhanced compliance, pollution prevention, resource conservation, increased efficiency, improved employee awareness, enhanced public image with system users and general public.
The basic elements of an ESMS include:

- Setting environmental **objective and targets** to reduce environmental impacts and legal requirements
- Analyzing its **environmental impacts and legal requirements**
- Establishing **programs** to meet these objectives and targets
- Reviewing the organization’s **environmental goals**
- Monitoring and measuring progress in achieving the objectives
- Ensuring employees’ **environmental awareness** and competence
- Reviewing **progress** of the ESMS and making improvements
Components of an ESMS
ESMS/ISO 14001 Framework

- Org. Goals
- Environmental Policy
- Environmental Aspects
- Legal & Other Requirements
- Significant Aspects
- Objective & Targets
- Management Program
- Management Review

Communication
Documentation
Document Control
Record
Non conformance

ESMS Audits
Our four significant aspects

### Hazardous Waste
- Batteries
- Oil
- Aerosol cans
- Metal recycling
- Tires
- Oil filters
- Decommissioned equipment

### Agro-chemicals
- Pesticides
- Fertilizer

### Water Usage
- Water savings
- Irrigation system performance
- Wash water discharges

### Water Quality
- Water quality indicators
- Continuous monitoring program
ESMS Integration with other initiatives

- STOP Program
- CAPRA
- Ecocity
- MS4/EPA
- Emergency Plan
- HPO

ESMS
Current State of RPCA’s ESMS

90% completion

- Finalization of Work Instructions and training modules
  - E. Awareness and training for Contractors

- Full Software Integrations
  - Citywork
  - Zavanta
  - Survey Gizmo

- Full Implementation of Work Instructions
  - Hazardous Waste
  - Agro-chemicals
  - Water Usage
  - Water Quality
Next Step

DEQ/E-3 RFP

ISO 14001 certifications

ISO 14001/RFP
THANK YOU