



IOWA
Department of
Natural Resources

Environmental Management Systems

Objectives and Targets Review

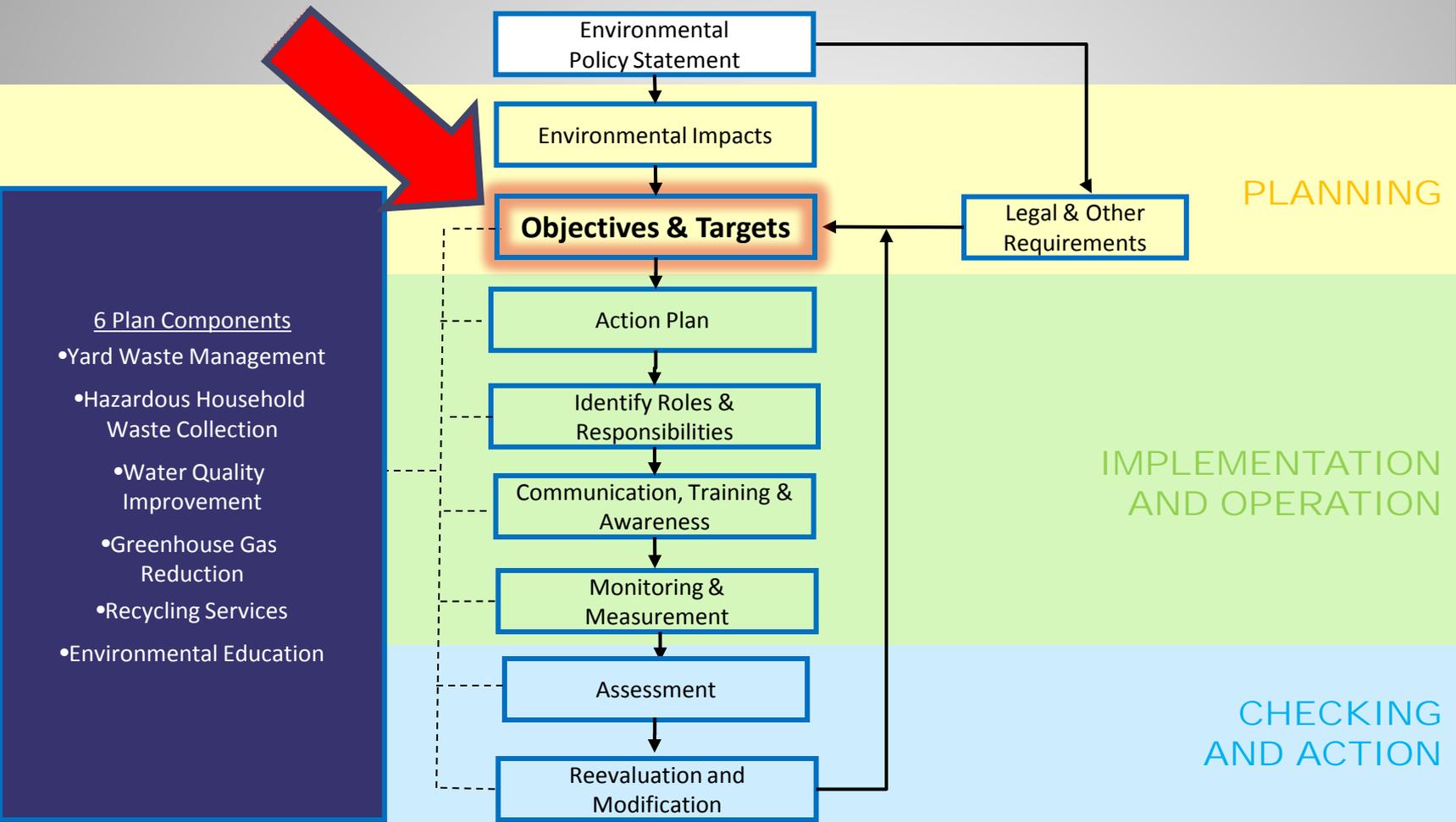
Summer Workshop

June 6, 2012



G R E S H A M
S M I T H A N D
P A R T N E R S

Iowa EMS Framework (HF 2570)



- 6 Plan Components
- Yard Waste Management
 - Hazardous Household Waste Collection
 - Water Quality Improvement
 - Greenhouse Gas Reduction
 - Recycling Services
 - Environmental Education

**Objectives and Targets
Are Essential in
Reducing/Increasing
Environmental Impacts**



Overview of EMS Process for Adopting Objectives and Targets/Action Plan/Resources



- ◉ Identify Activities which Could Impact the Environment and Assemble List of Aspects and Impacts
- ◉ Develop Significance Criteria and Identify Significant Aspects/Impacts
- ◉ Determine/Establish Organizational Strategies Related to the Environment
- ◉ Set Objectives and Targets for Significant Aspects/Impacts with Available Resources in Mind
- ◉ Develop Action Plans to Achieve Objectives and Targets
- ◉ Identify and Report Metrics that Documents/Verifies Progress
- ◉ Continually Review and Report Progress



Two Important Considerations

- Consider the Six Plan Components
 - *Yard Waste Management*
 - *Hazardous Household Waste Collection*
 - *Water Quality Improvement*
 - *Greenhouse Gas Reduction*
 - *Recycling Services*
 - *Environmental Education*
- These are Significant Activities and Impacts!***
- Potential Availability of Financial Resources for Assistance in the Development of the EMS and Objectives and Targets

Objectives and Targets (HF 2570)

- ① Establish Specific and Measurable Environmental Goals for the Organization for Each of the Six Plan Components
- ① Targets Must be Specific and Quantifiable

S.M.A.R.T.

Environmental Strategy (Remember Training In November)

- Before Setting Objectives and Targets, Consider Organizational Strategies related to the Significant Aspects/Impacts and Iowa HF requirements (Aspirational Goals)
 - **Greenhouse Gas Reductions** – Organizational Strategy Related to Climate Change
 - **Environmental Education** – Consider Lifestyle or Cultural Change that the Organization is Attempting to Affect



Objectives and Targets

◎ Objective Definition

- The Objective is the Environmental Goal
- The Overall Environmental Change You Want to Achieve

◎ Target Definition

- Detailed Performance Requirement
- Specific Outcome of the Objective
- Targets are Necessary for Achieving the Stated Objectives
- Targets are a Measurable Outcome of the Change

Examples

- **Strategy:** Reduce organizational contributions to climate change
 - *OT: Reduce Greenhouse Gases by 5% by December, 31, 2012*
 - *OT: Reduce Water Consumption by 5% per Year every year through 2015*
- **Strategy:** Educate our residents concerning individual ability to improve our local environment
 - *OT: Increase recycling rates by 10% by December 31, 2017*
 - *OT: Develop environmental educational program concerning proper e-waste management by March 1, 2013*

Objectives and Targets Considerations

- ◉ Six Plan Components
- ◉ EMS Fenceline (What is in Organizational Control)
- ◉ Environmental Policy
- ◉ Legal and Other Requirements
- ◉ Views of Interested Parties
- ◉ Is It Reasonable?
- ◉ Is Technology Available?
- ◉ Are Financial, Operational, and Staff Resources Available?



Objectives and Targets Considerations

- ⦿ While Setting Objectives and Targets, Consider How You Will Monitor and Measure?
- ⦿ Is There Baseline Data Available?
- ⦿ Is There Environmental Performance I Want to Measure Outside of My Objectives/Targets?





Best Practices

- ⦿ Set Objectives and Targets After Understanding Organizational Goals
- ⦿ Start with Existing Environmental Goals
- ⦿ Set Objectives and Targets which are as Specific as Possible and Quantifiable
- ⦿ Review and Receive Approval from Senior Management
- ⦿ Be Practical, Understand your Organization's Limitations
 - Don't Over Commit
- ⦿ Consider Availability of Baseline Information
- ⦿ Ultimate Goal is to Reduce/Increase Environmental Impacts

Objectives and Targets – Potential Concerns

- ⦿ Fenceline
- ⦿ Lack of Baseline Data
- ⦿ Funding from Council
- ⦿ Setting Due Dates
- ⦿ Six Plan Components – Do I Need One for Each Component?
- ⦿ Measuring Progress

More Examples

Refer to Handouts



**Reducing/Increasing
Environmental Impacts is the
Main Focus of the EMS**

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**Accomplishing Objectives
and Targets**





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QUESTIONS?



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