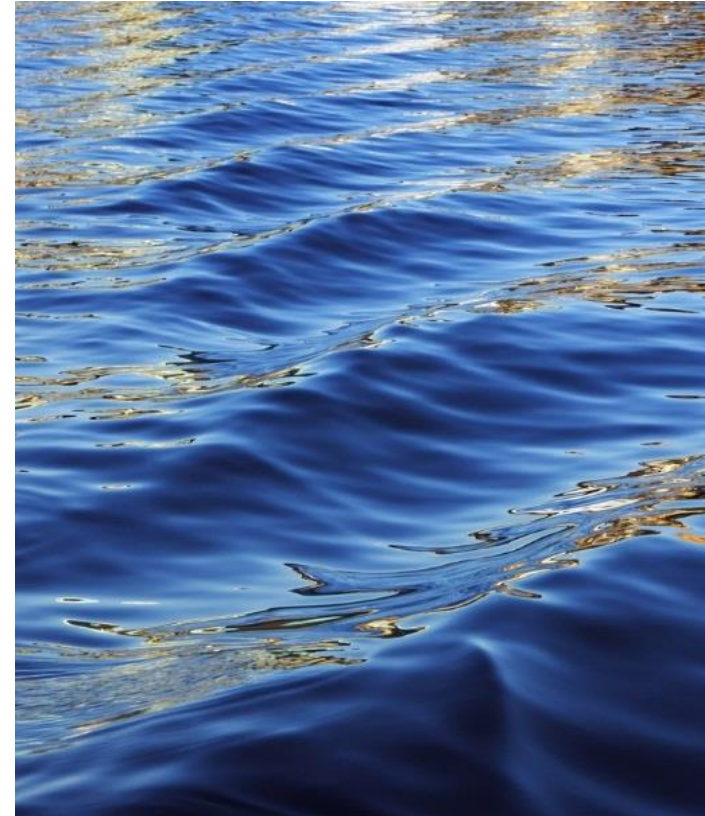
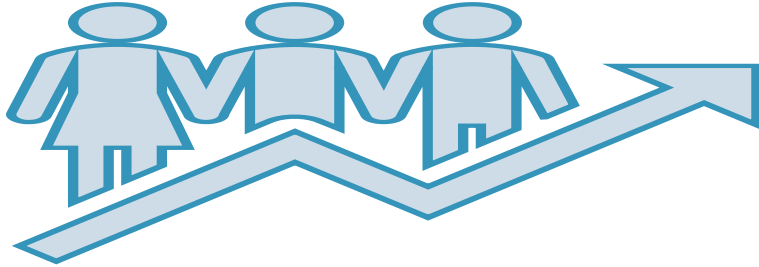


Resource Conservation Planning Basics

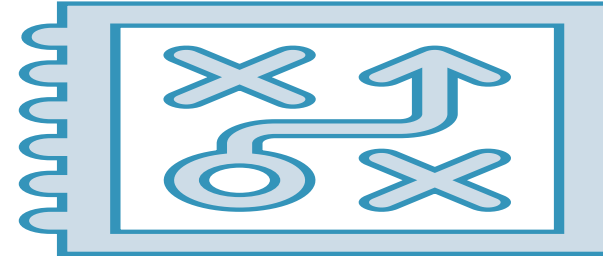
Applying Toxics Use Reduction Planning
Methods to Resource Conservation (RC)
Planning



Toxics Use Reduction Act 2006 Amendments



Developed to provide options for MA companies who have been engaged in TUR Planning for multiple cycles and are finding limited options



Facilities that have completed one TUR Plan and at least two Plan updates may choose to:

- Continue with Toxics Use Reduction Plan Updates;
- Develop a Resource Conservation Plan;
- Implement a TURA EMS

Resource Conservation Planning: New Opportunities



Offers planning flexibility



Integrates TUR into other sustainability activities



Provides cost savings and cost avoidance



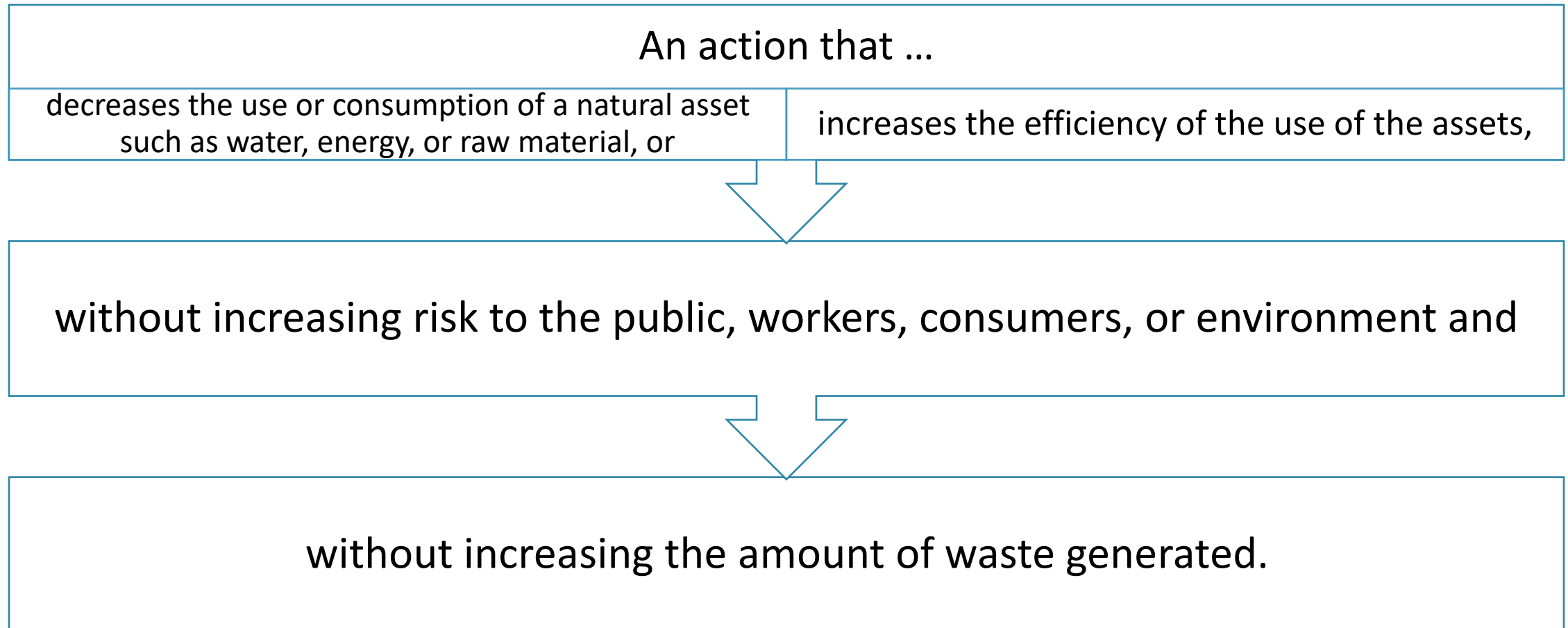
Focuses on production efficiencies



Supports efforts to minimize operation's footprint

What is Resource Conservation?

310 CMR 50.10 Definitions



RC focuses on “Natural Assets”

Natural Assets Include

- Energy
- Water
- Materials contributing to solid waste
- TURA chemicals below thresholds
- TURA-exempt substances

RC Plan Contents

Targeted asset(s)

Facility-wide review of the asset(s)

Identification of RC opportunities in specific operations

Detailed assessment of selected operations

- Process flow diagram
- Baseline use of asset
- Identification of RC options
- Technical and economic evaluation of options
- Implementation schedule

Summary of RC options implementation decisions

Expected change in the use of the asset



Materials Contributing to Solid Waste



RC Guidance: page 34

- Big picture
 - Any waste is an opportunity for improvement
- Facility-wide use characterization
- Example opportunities
- Example operations for detailed evaluation
 - Is it Resource Conservation?
 - **Focus on Source Reduction!**
- Technical and financial evaluation, like with TUR planning

Materials Contributing to Solid Waste Planning

2012 RC progress report

The total expected reduction in solid waste was 8 tons

The actual reduction in solid waste, based on 2014 progress report, was 15 tons

2020 RC Plan

Minimize office paper by 2%

Rejected previous plan to remove paper towels in bathrooms per COVID recommendations

3 RC Plans in 2022

Recycling plastic bottles and aluminum cans for 2-ton reduction

Beneficial reuse of byproduct through composting for 90% reduction

Install waste drum compactor and PPE and battery recycling programs for 4% reduction

Reduced Footprint

			
<p>Climate Change/Greenhouse Gases (GHG)</p>	<p>Water impact</p>	<p>Land and marine pollution</p>	<p>Chemical footprint</p>

Think Resiliency!

Resource Conservation Activities in Massachusetts



THE FIRST FAMILY OF AMERICAN COTTON



Raytheon Technologies



Anchor Seal

