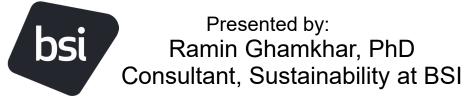


FLW 101: Managing and Measuring Food Loss & Waste

Implementing a Management System to Reduce, Repurpose, and Redirect Food Loss and Waste



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What is Food Loss and Waste (FL&W)?









The global impact of FL&W

Environmental

FLW contribute to:

- 8-10% of global greenhouse gas emissions.
- 25% of all water used in agriculture
- An area of cropland the size of China

Economic

 \$940 billion lost annually due to food loss and waste across the supply chain.

Social

 1.3 billion tons of food wasted yearly, while 1 in 9 people go hungry globally.





SDG 12.3: Reducing FL&W

- SDG 12.3 calls for halving per capita global food waste at the retail and consumer levels and reducing food losses along production and supply chains by 2030.
- Reducing food loss and waste supports other Sustainable Development Goals (SDGs):
 - SDG 6: sustainable water management
 - SDG 13: climate change
 - SDG 14: marine resources
 - SDG 15: terrestrial ecosystems, forestry, biodiversity





The Importance of a FL&W Management System

Why a System is necessary:

Consistent monitoring and improvement.

Business benefits:

- Increased profitability: \$14 saved for every \$1 companies invest.
- Enhanced regulatory compliance and reporting.
- Long-term sustainability and operational resilience.







Target-Measure-Act Framework

- 1. Target: clear goals and policies
- 2. Measure: at each point in the supply chain
- 3. Act: continuous improvement
- 4. Key Outcome: integrate ongoing, sustainable processes





FLW Management System

- Categories of a FLW Management System:
 - Policies & Procedures (Target)
 - Communication & Supply Chain Collaboration (Target)
 - Skills & Training (Target)
 - Measurement (Measure)
 - Governance, Leadership & Engagement (Act)
- Goal:
 - Identify areas that need improvement to achieve FLW reduction





P2:

P3:

P4:

P5:

P6:

Policies & Procedures: Establishing the Foundation for FLW Reduction

• Company has adopted a policy with targets for reducing, repurposing, and/or redirecting food loss and waste. Expectations are clearly defined for employees, partners, and stakeholders.

• Company policies are approved at the highest level of leadership.

• Policies are embedded throughout operational procedures across the enterprise.

• Policies are reviewed and updated regularly to reflect evolving challenges and opportunities.

• The company assesses risks of environmental impacts related to FLW across operations and supply chains.

A risk management plan is adopted to mitigate FLW within business operations and across supply chains.



Ensuring Communication and Collaboration for FLW Reduction

C1:

• Relevant FLW policies, procedures, and actions are communicated clearly to all stakeholders, including employees and business partners.

C2:

 Company due diligence systems include input from upstream (suppliers) and downstream (retail and customers) actors to find opportunities to reduce FLW.

C3:

 The company collaborates with relevant stakeholders (suppliers, technology providers, waste service providers) to implement FLW reduction strategies.





Building Skills for Effective FL&W Management

S1:

• Responsible sourcing, FLW risk management, and supply chain assessments are carried out by knowledgeable and trained personnel.

S2:

 Necessary skills and behavioral changes for identifying FLW hotspots and determining root causes are identified, and training is provided regularly.

S3:

• Suppliers are trained and upskilled to understand FLW risks and how to reduce food waste in their operations.





Measuring & Controlling FL&W Across Operations

M1:

• Internal procedures are established to measure food loss and waste across the company's operations.

M2:

• The supply chain is mapped to identify opportunities for FLW reduction without transferring waste from one part of the supply chain to another.

M3:

• The root causes of FLW (e.g., overproduction, supplier rejections) are determined.

M4:

 KPIs are established for both business operations and individual performance in reducing, repurposing, and redirecting FLW.

M5:

• The company has assessed all operations, including those within its control and value chain, for opportunities to reduce, repurpose, or redirect FLW.





Leadership and Continuous Improvement

G1:

 Leadership maintains visible and active involvement in supporting FLW reduction efforts and provides necessary resources.

G2:

• Employees and business partners are incentivized to comply with FLW policies and seek opportunities for further reduction.

G3:

• An internal reporting structure is implemented to facilitate regular review of FLW reduction progress and new opportunities.

G4:

 A corrective action process is in place to drive improvement and ensure remedy for any adverse impacts. Supplier relationships may be suspended if improvements are not made.

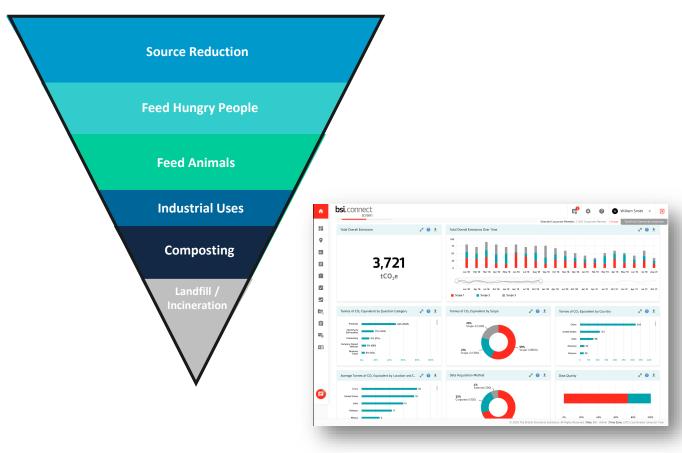




FL&W Measurement

- Quantify FLW by measuring volume, type & treatment/recirculation of FLW within a business & across their supply chains
 - Issuance of FLW questionnaires to measure, classify & report volumes & types of FLW via automation & enterprise workflow management
 - Optional to calculate FLW ultimate impacts: e.g., GHG emissions of FLW based on current emissions factors
 - Enables reporting of progress and impact internally and/or externally via exports & dashboards
- Evaluate performance against FLW reduction targets
 & feed into ongoing roadmap & strategy

EPA Food Recovery Hierarchy







Actions: Building Your FL&W Management System

Steps to Take:

- 1. Conduct a Gap Assessment
- 2. Establish a Measurement System
- 3. Engage Leadership & Supply Chain
- 4. Continuously Improve



Key Takeaways

- 1. FL&W is a significant global issue:
 - Critical for business sustainability and long-term success
- 2. A structured Management System is essential:
 - Ensuring your businesses can address FL&W
- Gap assessment and measurement are key:
 - Assess your current practices, and track performance







Thank you for your attendance

For further questions, please reach out to us at:

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