ReFED's 2020 Methodology for Measuring Food Loss & Waste

APEC 2019 Expert Consultation on Reducing Food Loss & Waste (FLW)



APEC economies will be able to use ReFED's 2020 methodology to track FLW over time.

2016 ReFED Roadmap report evaluated FLW solutions and produced actionable insights

ReFED is updating Roadmap methodology to create a 'Roadmap 2.0'

ReFED's 2020 methodology will include significant improvements

- First report to quantify food waste in the U.S. across all sectors
- Roadmap report calculated economic benefit of FLW solutions
- ReFED methodology calculates FLW impact by solution
- Stakeholder use of 2016 Roadmap provided useful lessons of what worked well
- More granular data is needed to drive decision making
- The ability to track progress over time is required to measure against goals
- Roadmap 2.0 will be first to quantify FLW by cause across all sectors
- Roadmap 2.0 will break down solution benefits by actor
- **Digital-first platform** will enable data infrastructure to be used by APEC economies



ReFED Roadmap quantified food waste in the U.S. across all sectors



ReFED Roadmap 2016

The U.S. wastes 40%, or 63 million tons, of food annually



Report evaluated potential of solutions to achieve U.S. 2030 goal



Diversion Potential (M Tons)



ReFED methodology calculates FLW impact by solution

3000		GHGs (K TONS / YEAR)
CONSUMER EDUCATION CAMPAIGNS STANDARDIZED DATE LABELING PACKAGING ADJUSTMENTS PACKAGING ADJUSTMENTS PACKAGING ADJUSTMENTS DONATION MATCHING SOFTWARE STANDARDIZED DØNATION REGULATION VALUE-ADDED PROCESSING DONATION LIABILITY EDUCATION DONATION STORAGE & HANDLING DONATION STORAGE & HANDLING	APOLEASE FRE VENTION TRANSPORTATION DONATION TRANSPORTATION WASTE TRACKING & ANALYTICS TRAYLESS DINING SMALLER PLATES MAULER PLA	SECONDARY RESELLERS HOME COMPOSITING COMMERCIAL GREYWATER COMMERCIAL GREYWATER COMMERCIAL GREYWATER CENTRALIZED AN ARROBIC DIGESTION (AD) CENTRALIZED COMPOSITING MATER RESOURCES RECOVERY FACILITY (WRRF) WITH AD ANIMAL FEED ANIMAL FEED COMMUNITY COMPOSITING IN-VESSEL COMPOSITING



ReFED is updating methodology to create a 'Roadmap 2.0'



Action Guides 2018

Roadmap 2.0 is informed by stakeholder use of 2016 Roadmap

✓ What works well:

- Pairing knowledge of where FLW occurs with the most economic and high-impact solutions.
 - Helps when prioritizing investment and efforts

+ Opportunity for Improvement:

- More granular data is needed to drive decision-making
- Ability to track progress over time
- Quantify FLW by Cause (Reasons *WHY* food waste occurs) *e.g.*
 - Unharvested produce on-farm due to labor shortages
 - Residential food waste caused by date label confusion



ReFED's 2020 methodology will include significant improvements

- Digital first
- Improved data granularity
 - (e.g. FLW by year, food type, sector, cause, destination)
- Ability to track progress over time
- Refreshed list of solutions
- Ability to break down solution benefits by actor
 - (e.g. financial benefit to consumers vs grocery retailers)
- APEC economies can replace U.S.specific datasets with their own

U.S. FOOD WASTE TRACKER

Million Tons





2019 FOOD WASTE SUMMIT Hosted by ReFED

OCTOBER 28-30TH CITY VIEW AT METREON SAN FRANCISCO, CA

