

Electronics Stewardship in the United States of America

Barnes Johnson

Environmental Protection Agency

IEMN Meeting

July 14, 2014

Definition and Background



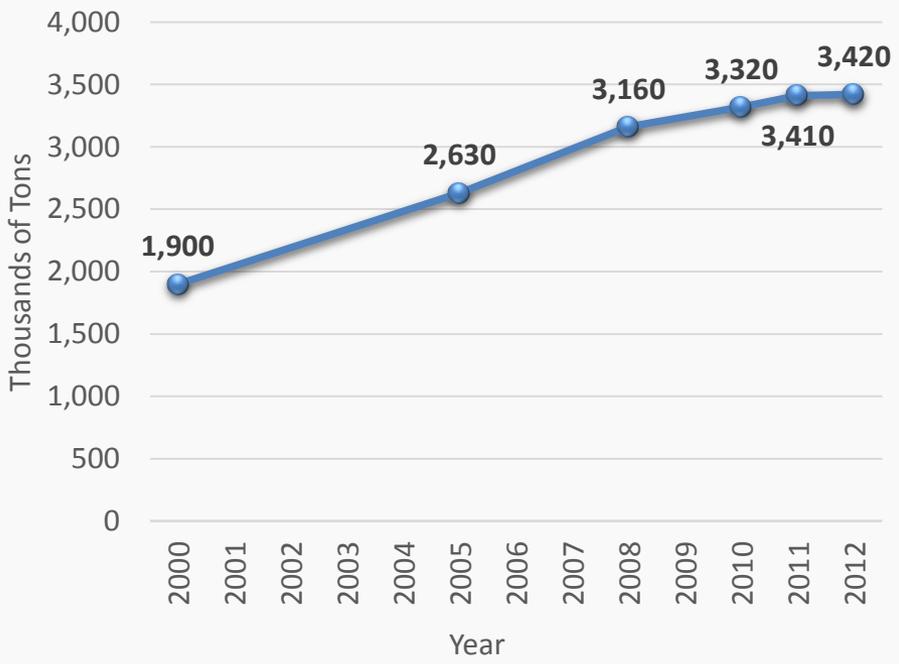
- Definition typically includes IT products and communications devices, not white goods
- Includes batteries within the device and spent lead acid batteries used in external power supply units
- No one national definition of e-waste; definition is dependent on project or program



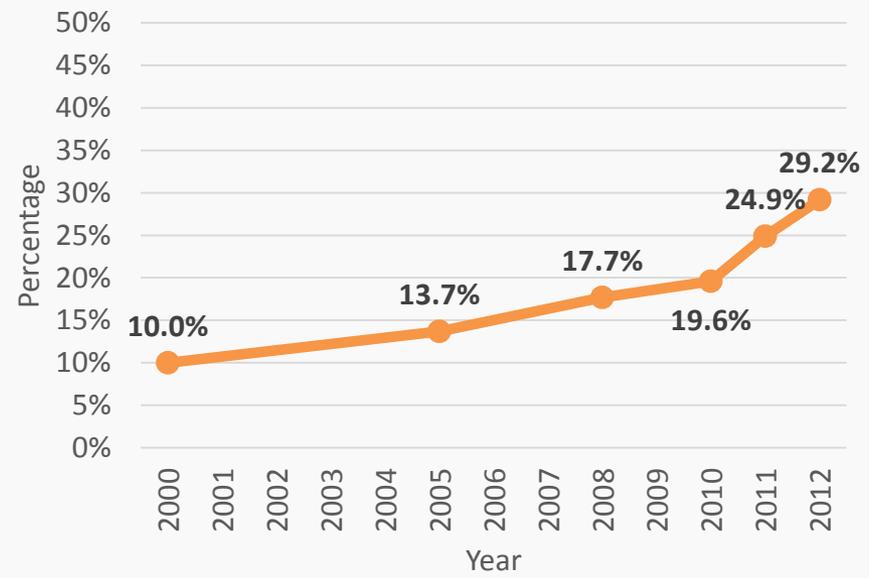
Electronics Waste Generated and Recycled



Electronics Waste Generated



Percent of Electronics Waste Recycled



Status of e-Waste Regulation, Policy and Guidance: National Strategy Highlights



National Strategy for Electronics Stewardship



NSES actions help:

- **Ensure** that electronics are designed, purchased and managed in a more sustainable manner
- **Protect** human health and the environment in the U.S. and abroad
- **Promote** new and innovative technologies
- **Facilitate** coordination across government and with stakeholders
- **Catalyze** new efforts within and outside of government

Status of e-Waste Regulation and Programs: National Strategy Highlights



Electronic Product Environmental Assessment Tool Expansion

- Now includes televisions and imaging equipment
- Server and mobile device standards in development
- EPEAT registers products in 43 countries and regions



Regulation for Government-wide Electronics Management

- Federal government required to use certified electronics recyclers
- Federal electronics banned from landfills



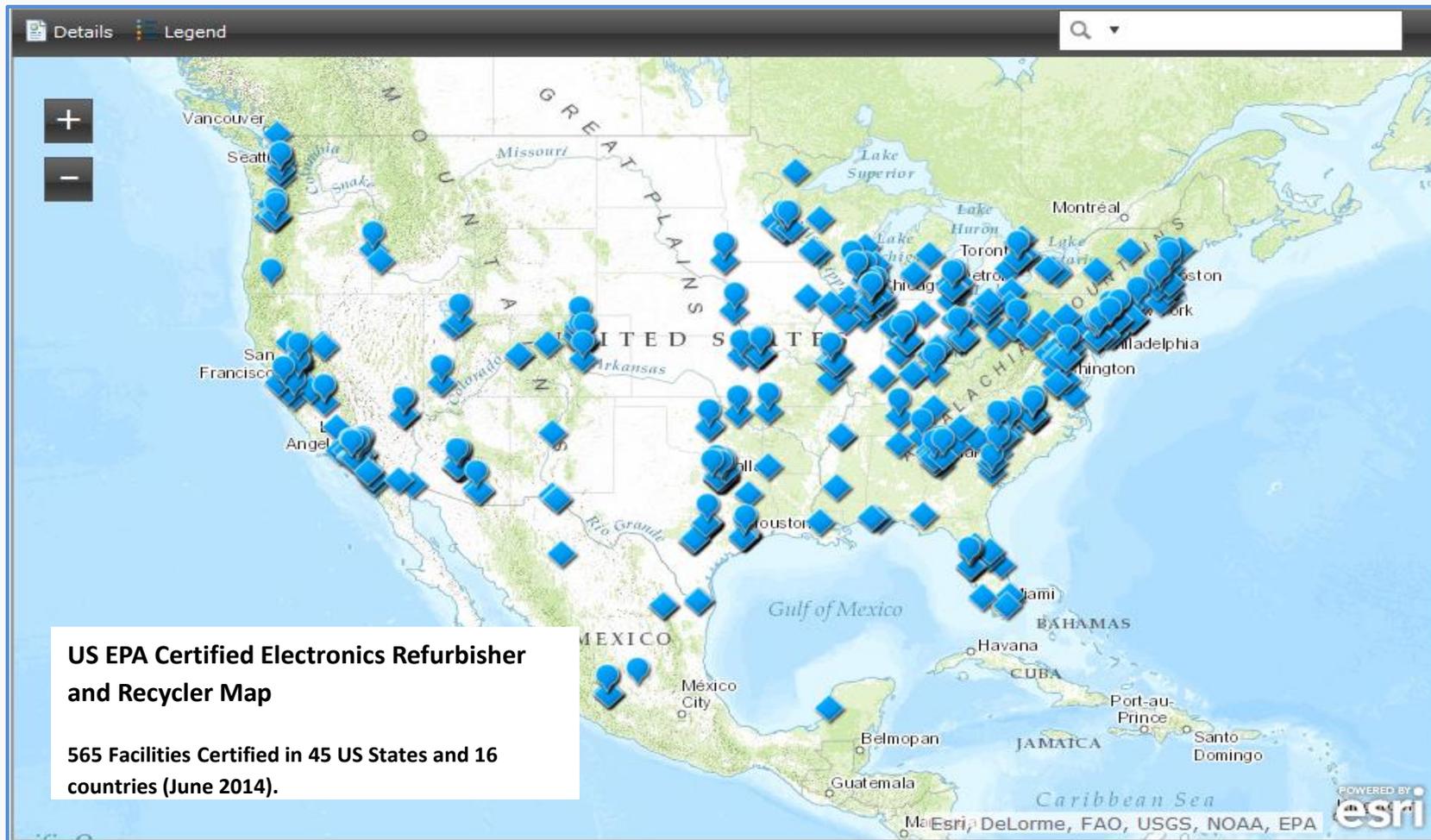
Strengthening Cathode Ray Tube Regulations

- Final: June 18, 2014
- Improves CRT Export Tracking
- Defines “CRT exporter”

Current Status of e-Waste Industry



Growth of Electronics Recycler Certification Programs





New Research: CRT Glass and Worker Exposure

- Preliminary findings: Evidence of exposure at recyclers that process CRT glass
- Certification Programs responding to findings



Green Jobs and Hazards Website

- Identifies potential hazards from different electronics recycling technologies



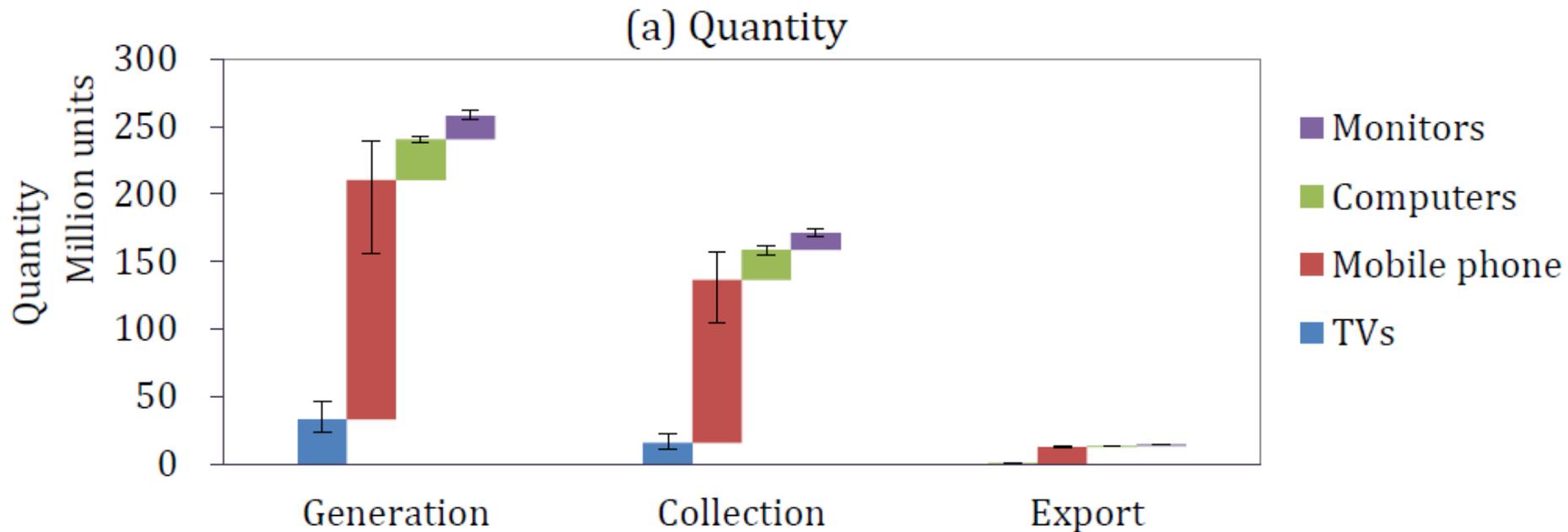
SMM Electronics Challenge

- Electronics leaders recognized September 2014

Other Relevant Projects: Flow Data of Used Electronics



“Quantitative Characterization of Domestic and Transboundary Flows of Used Electronics: Analysis of Generation, Collection, and Export in the United States” – United Nations University StEP, MIT, NCER



Other Relevant Projects: Stakeholder Dialogues

