

CPSC-EPR WORKSHOP – MAY 12, 2011 EXPLORING SOLUTIONS FOR HOUSEHOLD BATTERIES

Supporting EPR Through Purchasing Policy and Practices



TYPICAL BATTERY WASTE MANAGEMENT



OPTIMAL BATTERY WASTE MANAGEMENT



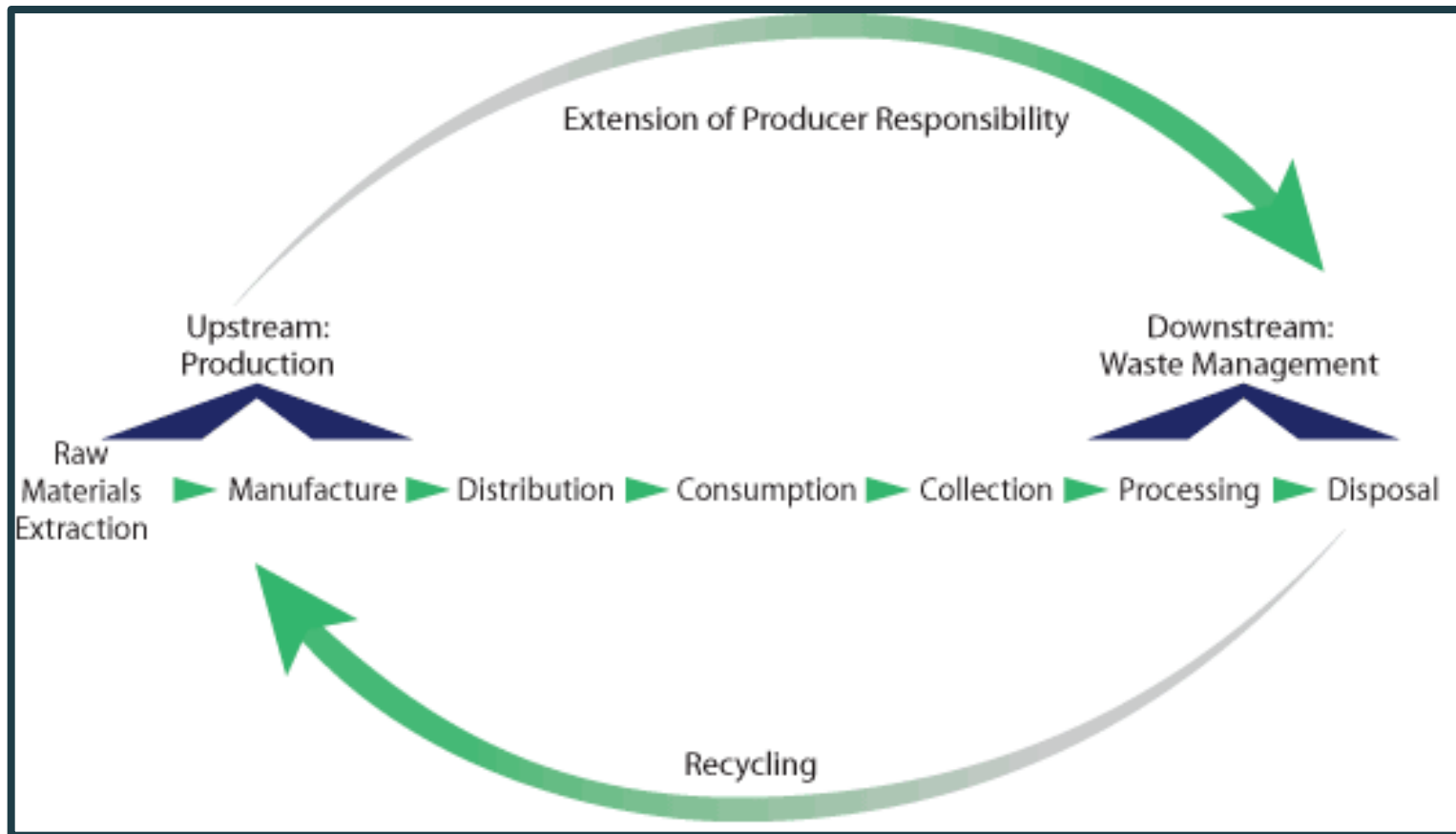
THE POWER OF EPR & ACTION

- “Santa Clara County spends \$4 million to collect hazardous waste from 5% of households.” *Rob D’Arcy, Hazardous Materials Program Manager, Santa Clara County*
- London’s Environment Agency identified a 60% reduction in hazardous waste within 2 years and a concurrent 64% increase in recycling and re-use as a result of EPR legislation (WEEE Directive) in Europe. *E-Scrap News*
- A 60% reduction in hazardous waste assuming a 1:1 cost savings would result in annual savings of \$2.4 million for Santa Clara County.



ACTION ACHIEVED THROUGH EPP

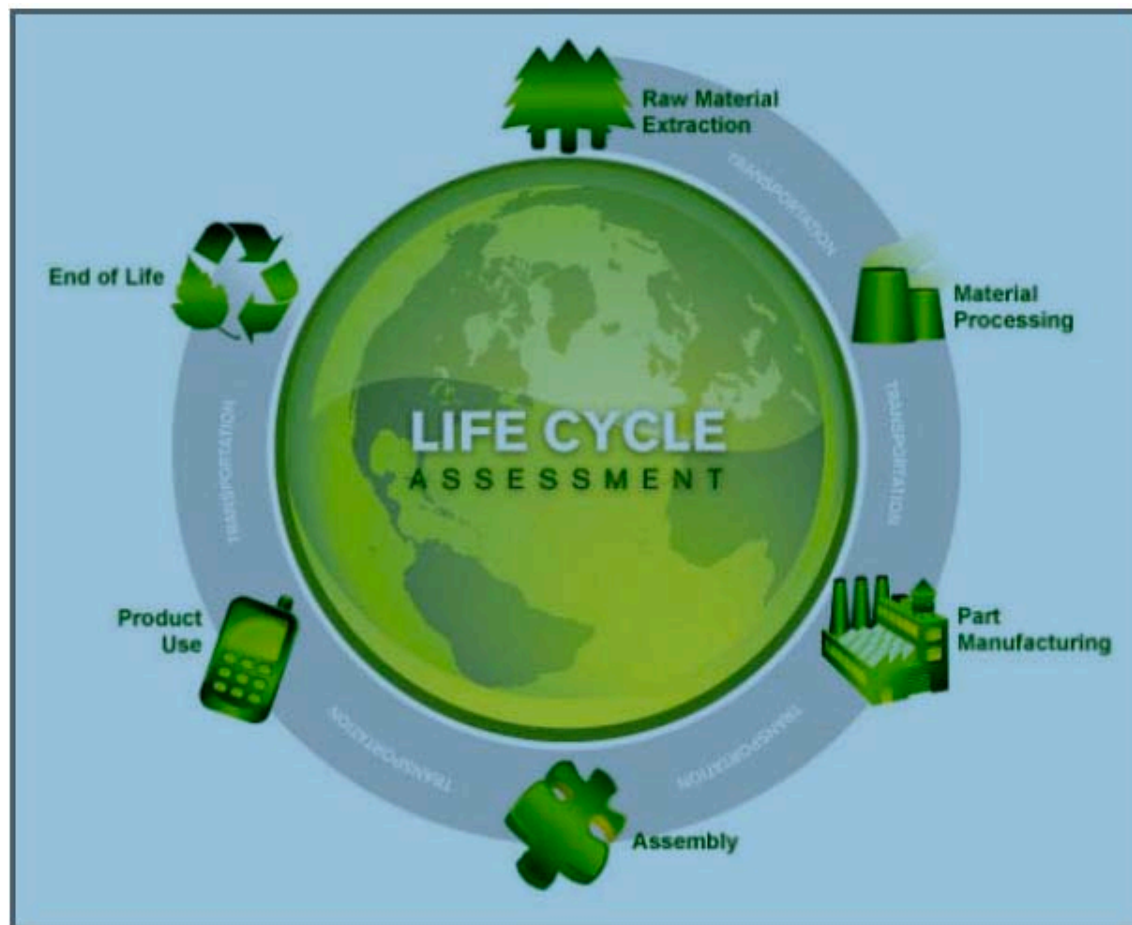
- EPP (Environmentally Preferable Purchasing)=procurement of goods and services that have a reduced impact on human health and the environment as compared to other goods and services serving the same purpose.



EPP THROUGH LIFE CYCLE ASSESSMENT

- EPP guidelines can achieve results by addressing any and all aspects of a product's life cycle.

EPR



CHARACTERISTICS OF PRODUCTS THAT MEET EPP GUIDELINES

- **Made with recycled content**
- **Highly energy efficient**
- **Designed to be long lasting**
- **Recyclable or compostable**
- **Made from renewable resources**
- **Made with reduced toxins**
- **Manufactured locally and responsibly**
- **Reused, recycled or reclaimed for safe disposal at end of life**



EPP IN ACTION: RECYCLED PAINT

- Performs to MPI standards and costs up to 50% less than virgin paint
- Two suppliers in California – both GS 43 Certified



EPP IN ACTION: GREEN BATTERIES

- PerfPower is the only company we know of offering a take back solution for alkaline batteries.



USING EPP TO CONTROL BATTERY WASTE

- **Step 1: Incorporate Extended Producer Responsibility (EPR), or “take back” language for batteries in purchasing requirements.**
- **Step 2: Buy rechargeable batteries whenever possible, and use alkaline only when necessary (consider manufacturers who provide “take back” services).**
- **Step 3: Sign up to become a Call2Recycle collection location to collect rechargeable batteries and cell phones.**



Recharging the planet. Recycling your batteries.™



EPR & EPP: STEP 1

- Review existing procurement specifications and remove outdated/unnecessary requirements which would exclude products from consideration



EPR & EPP: STEP 2

- **Define scope including products, environmental standards, and targets/goals**
 - Product: batteries
 - Environmental standards: rechargeable or recyclable (EPA-certified Battery Recycling Corporation (RBRC))



- Targets/goals: increase in % of battery purchasing that meets standards from current level of 10% to 50% in 3 years



EPR & EPP: STEP 3

- **Incorporate key terminology/language in policies that address product specifications such as:**
 - Durability and minimization of waste in the product design, materials content, manufacturing processes, packaging, distribution, and end-of-life management.
 - Areas of consideration include limiting the use of virgin material, water, energy, and hazardous substances, and increasing product longevity, recycled content, recyclability, and product takeback support.
 - Provision of free or low-cost product takeback services (e.g.; collection, recycling, remanufacturing, and proper disposal of their products).
 - Documentation that products previously purchased or leased are in fact reused, recycled, or otherwise safely managed at the end of their useful lives.



EPR & EPP: STEPS 4-6

- **Step 4: Define responsibilities of those involved in procurement**
 - All RFPs shall include requirements for proof of compliance with all applicable purchasing guidelines and standards
 - Procurement shall purchase products that meet procurement standards
- **Step 5: Define responsibilities of vendors**
 - Vendors must provide proof of compliance with procurement policies (e.g. documentation, audit, certification)
- **Step 6: Amend procurement contract language**
 - Contract language shall require ongoing compliance with procurement standards



CRITICAL TOOLS TO DRIVE SUSTAINABLE PURCHASING

- Procurement requirements have been set...now what?



- Sustainability scorecards drive adoption, streamline information gathering and ensure compliance.



SCORECARDS IN ACTION

Kaiser Permanente Launches Health Care Industry's First Sustainability Scorecard

SKU-level questions:	Desired Answer
NICU Product?	
PICU Product?	
Latex-free?	Yes
Lead, Mercury, Hexavalent chromium, Polybrominated biphenyls, Polybrominated diphenyl ether, <1,000ppm or Cadmium <100ppm	Yes
Polyvinyl Chloride (PVC)-free?	Yes
Diethylhexyl phthalate (DEHP) - free?	Yes
California Prop 65 Chemical <threshold or warning level	Yes
If yes to (A), List Chemical Abstracts Service (CAS) #'s (separated by ",")	(fewest listed)
Product - Contain more than 10% post-consumer recycled content?	Yes
Primary Packaging - Contain more than 5% post-consumer recycled content?	Yes
Secondary Packaging - Contain more than 30% post-consumer recycled content?	Yes
Product - Designed for multi-use (i.e. not a single-use device) ?	Yes
Manufacturer's product code for environmentally preferable alt.	

- Impacts \$1 billion in annual medical product purchasing
- Data collected includes chemical content, recycled content, packaging, and single vs. multi-use
- Already granted a \$100 million contract over 5 years to supplier that offers product with reduced chemical use and limited chemical exposure for hospital workers



SCORECARDS IN ACTION: P&G



- Will use data to determine choice of suppliers for \$42 billion in annual spending across 75,000 suppliers
- Data collected includes energy use, water use, waste disposal and greenhouse gas emissions
- Designed to be flexible with grounding in existing measurement standards including protocols from World Resources Institute, the World Business Council for Sustainable Development and Carbon Disclosure Project
- Suppliers have full year to report data before results included in overall supplier performance rating
- Will use 3rd party auditors to substantiate data



SCORECARDS IN ACTION



360° Green Audit: People, Planet, Profit
Building a Sustainable Future for Hospitality

- **3.90 earned out of 5.00 for:**
 - ✓ **Strong LCA based product performance ratings**
 - ✓ **Strong ratings for completing Scope 3 carbon footprint and significant reduction in emissions, and 50% reduction in waste through conversion to recycling**
 - ✓ **Strong ratings for existence of publicly available CO2 reduction targets, and corporate activities that exceed leading environmental sustainability standards**



THANK YOU!

- **For more information:**

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Funded by a grant from the Department of Resources
Recycling and Recovery (CalRecycle)

