

# Beyond Waste IWG

Identification of Focus Actions

# Assignment

- Identify the most important ideas/strategies in each task area and what actions would be needed to put those ideas/strategies in place.
- Consider:
  - greenhouse gas emission reductions (total amount and timing);
  - ancillary impacts such as job creation or economic development;
  - achievability; and,
  - ability to create synergistic benefits by building public acceptance.

# Task Area 1

- Optimize the collection and processing infrastructure needed to more effectively capture recyclable materials with the highest carbon footprint generated from industrial, commercial, agricultural and residential sources.
- Volunteers:
  - Leader: Brad Lovaas
  - IWG Co-lead contact: Jody Snyder
  - Other volunteers: Tracy Farrell, Susan Robinson, Chris Martin, Preston Horne-Brine, Bill Lamphere, Charlie Scott, Scott Robertson, Sejo Jackson

# Task Area 1: Suggested Focus Areas #1

## **PAPER**

Concerted effort to get fiber (corrugated, mixed paper) out of the disposal system and into the recycling system through a unified voice;

- Emphasize through education and marketing campaign (similar to litter).
- Encourage more residential and commercial recycling with same.
- Educate businesses on recycling best management practices.

# Task Area 1: Suggested Focus Areas #2

## Collection

### **Increase collection of recyclables utilizing current systems or “How do we increase?”**

- Education of Climate Change implications of not recycling i.e., individual and business carbon footprint calculation.
- Mandatory subscription or incentivized residential collection (provision of containers ((toters)) or incentives to haulers).
- Mandatory commercial recycling or increased commercial recycling through increased sales information/calls, incentives, advertising campaign, best management practices sharing or require a recycling plan.
- Public facilities requirement for recycling.
- Media campaign to put peer pressure on “paper wasters”.
- Increase tipping fees to incentivize recycling and discourage self hauling.

# Task Area 1: Suggested Focus Areas #3

## **Analysis Needed**

**Need analysis of existing processing infrastructure and markets and where new or expanded facilities need to be sited/expanded.**

- Yard Waste
- MRF's
- Carpets (potential)

# Task Area 1: Suggested Focus Areas #4

## **COOPERATION**

**Increased cooperation with other efforts including E3, Beyond Waste and amongst governments and industry.**

- Possible revisit of 70.95 RCW for opportunities and goal setting.
- Use success stories of commercial recycling in Agriculture and land clearing as examples.

# Task Area 1

## Full Brainstorm List from 6/16 Mtg

- Ecology takes responsibility for permitting solid waste and recycling facilities
- Statewide ban on paper disposal
- Focus on construction and demolition materials, for example, California has a C&D ordinance
- Require G-certified haulers to recycle or issue G-certificates to those who do
- Level permit playing field generally and especially around renewable energy technologies
- Expand collection and provide better education to population centers
- Improve labeling of recyclables
- Legislate that local solid waste plans have requirements for waste reduction and recycling "with teeth" such as recycling goals set by locality
- Appropriate container size - right size for residential and commercial
- Consider/encourage/support point of sale collection systems for example for eWaste
- Level the playing field on the commercial side
- Verify Ecology's recycling numbers -- have better information on recycling
- Help with permitting to get facilities/processes built closer to waste generation centers
- Focus on agricultural sector

# Task Area 2

- Expand, recruit or develop in-state businesses that use recyclable materials in their manufacturing processes (including investment, financing and incentives).
- Volunteers:
  - Leader: Cheryl Smith
  - IWG Co-lead contact: Jay Shepard
  - Other volunteers: Preston Horne-Brine, Bart Kale, David Quigg

# Task Area 2:

## Suggested Focus Areas

- A B&O tax incentive for manufacturers that use recycled materials in the mfg process (similar to proposed House Bill 1950).
- Work with Washington Manufacturing Services (WMS) to assist businesses looking to reduce GHG emission impacts, in conjunction with a CTED business recruitment focus.
- Create an Industrial Design Center for Sustainable Products, in conjunction with Western Washington University Industrial Design Program and Huxley College, for example, to invest state and private resources in designing products that are designed for the environment
- Send message to the CAT:  
If there is a carbon cap and trade system, then provide a credit for businesses already achieving a world-class standard for efficiency or who get to a world-class standard as an incentive to achieve these efficiencies.

# Task Area 2:

## Bike Rack / Parking Lot

- Optimize the collection of recyclable materials at residential/commercial sites to facilitate viable reuse. (REFER TO TASK GROUP 1).
- If there is a cap and trade system, provide a credit for businesses already achieving a world-class standard for efficiency or who get to a world-class standard as an incentive to achieve these efficiencies (REFER TO WCI).
- Streamlined and consistent regulations to facilitate permitting facilities and processes (BIKE RACK).
- Provide information and technical assistance to highlight that many of the best strategies for GHG emissions reductions benefits also have other benefits, e.g., lean manufacturing (BIKE RACK).
- Legislation that prescribes recycled content in products (REFER TO TASK GROUP 6).

# Task Area 2

## Full Brainstorm List from 6/16 Mtg

- Optimize the collection of recyclable materials at residential/commercial sites to facilitate viable reuse.
- B&O tax break for manufacturers who use recycled goods.
- If there is a cap and trade system, provide a credit for businesses already achieving a world-class standard for efficiency or who get to a world-class standard as an incentive to achieve these efficiencies
- Streamlined and consistent regulations to facilitate permitting facilities and processes
- Provide information and technical assistance to highlight that many of the best strategies for GHG emissions reductions benefits also have other benefits, e.g., lean manufacturing

# Task Area 3

- Remove organics from the disposal stream so that they can be beneficially used for healthy soils, bioenergy production and new products and encourage demand for these products.
- Volunteers
  - Leader: Sally Brown
  - IWG Co-lead contact: Jody Snyder
  - Other volunteers: Tracy Farrell, Jim Jensen, Jerry Bartlett, Tim Croll, Tom Walter, John Leber, Kevin Kiernan, Ken Johnson, Segeo Jackson

# Task Area 3:

## Suggested Focus Areas

- Remove food scraps from MSW waste stream
  - Options in lieu of bans that would simultaneously generate revenue for infrastructure to use food scraps and not preclude carbon credits from food scrap diversion

# Task Area 3:

## Suggested Focus Areas

- Anaerobic digestion
  - Develop an alternate fee structure ‘preferential purchasing’ that is sufficient to make AD financially viable
    - Include new plants, WWTP, co-digestion and plants at composting facilities in those eligible for additional funding

# Task Area 3:

## Suggested Focus Areas

- Compost facilities- siting, permitting and compliance
  - Centralize and streamline process for ‘one stop shopping’ for compost facilities across state. DOE proposed as an umbrella with FTEs allocated for this task. Responsibility of DOE FTE to interface with local agencies

# Task Area 3:

## Suggested Focus Areas

- Use of Compost/organic soil amendments
  - Benefits to agricultural sector for use of organic soil amendments
  - Look to existing programs in OR, USDA as a basis for design of a WA program

# Task Area 3:

## Bike Rack / Parking Lot

- Walk the walk- don't just talk the talk
  - Require state and municipal agencies to integrate group's recommendation into how they do business (DOT, DNR....)
  - I-5 example- compost trimmings rather than burn on site

# Task Area 3: Bike Rack / Parking Lot

- Education
  - Essential for all groups to increase participation rate
  - Paper- key example
  - Line from NAS email:
    - Please consider the environment before choosing to print this message.

# Task Area 3:

## Full Brainstorm List from 6/16 Mtg

- State-wide disposal ban on food waste by 2018
- Anaerobic digestion
- Ban disposal of organics
- Incentives for use of products (power from co-generation, soil amendments for example)
- No more grass lawns - native landscaping
- Focus on the Agricultural sector
- Look at nitrogen
- Tip tax for organics
- Fast pyrolysis

# Task Area 4

- Create product stewardship framework legislation applicable to consumer and non-consumer products focusing on the full product life-cycle including cradle-to-cradle design, material and energy content, manufacturing and end of life recycling/reuse.
- Volunteers
  - Leader: Suellen Mele
  - IWG Co-lead contact: Jay Shepard
  - Other volunteers: David Dougherty, Segeo Jackson, David Stitzhal, Jim Jensen

# Task Area 4:

## Suggested Focus Areas

- **Proposal #1: Move Product Stewardship Framework Legislation forward to the CAT**
  - **Create state policy that supports and prioritizes product stewardship as an effective approach for financing and increasing the recycling of products and for decreasing GHG generation**

# Task Area 4:

## Suggested Focus Areas

### **Proposal #1 (continued)**

- Create product stewardship framework legislation applicable to consumer products**
  - product stewardship recycling programs established and paid for by producers**
  - a process for adding covered products**
- The policy and framework legislation would encourage the “greener” design of products**

# Task Area 4: Next Steps Proposal #1

- Discuss draft model language
- Develop a list of potential materials and/or products and the GHG impacts from recycling those materials and/or products

# Task Area 4:

## Suggested Focus Areas

- **Proposal #2: Continue exploring a center for green product design to provide technical assistance and outreach that addresses full cradle-to-cradle design, e.g. GHG impacts, material and energy content, toxicity reduction, green jobs, etc.**

# Task Area 4:

## Next Steps Proposal #2

- Research models existing in other states and discuss various approaches
- Explore nexus with the activities of other implementation working groups
- Consider the timeline for achievable impacts

# Task Area 4:

## “Carry Forward” Message

- A product stewardship approach should be applied to products, technologies, and processes promoted to address GHG emissions, with full lifecycle considerations and cradle-to-cradle management (including end-of-life management) utilized

For instance:

- as nano-materials are used in such products, they must be safe and nontoxic
- upstream production pollutants and wastes must be handled properly
- a product stewardship program should be in place for end-of-life management

# Task Area 4:

## Full Brainstorm List from 6/16 Mtg

- Develop minimal baseline regulations to incentivize industry to innovate around product stewardship ideas
- Upstream work, such as the Lowell Center example from MA (research for green product design)
- Framework legislation, possibilities include paint, florescent lights, pharmaceuticals

# Task Area 5

- Determine actions to expand byproduct synergy, zero waste business practices, design for the environment and other emerging commercial activities and encourage consumer demand for these activities.
- Volunteers
  - Leader: Susan Robinson
  - IWG Co-lead contact: Sego Jackson
  - Other volunteers: Jim Jensen, Jay Shepard, David Quigg

# Task Area 5:

## Suggested Focus Areas

- **Create compelling reasons for businesses to create Zero Waste Plans and Goals.**
- **Identify a combination of financial incentives, price signals, regulatory policies, product bans, and/or disposal bans will accomplish this goal.**
  - Address basic incentives.
  - Create state-wide contest/price for best new zero waste achievements by businesses.
- **Create a Beyond Waste or Zero Waste Business Circle.**
- **Create incentives to encourage three types of activity:**
  - Businesses to achieve zero-waste themselves.
  - Manufacturers to produce zero waste products / carbon neutral products; and for
  - Companies that use other companies waste in their manufacturing
- **Provide assistance to help companies specifically with waste**
  - Help companies meet carbon emission goals.
  - Develop and executing WRR plans.
- **Information exchange**
  - Create a reporting and information-sharing platform. A lot of information is out there to be shared.

# Task Area 5: Bike Rack / Parking Lot

- DOE report “Incentives For Industry”, e.g. resource management contracting, Business “Green Track” Program
- Collaborate with by-product synergy workgroup
- Investigate of existing material exchanges and their effectiveness

# Task Area 5:

## Full Brainstorm List from 6/16 Mtg

- Arm retail industry with economic knowledge to drive change into manufacturing
- Provide information on purchasing power (related to # 6)
- Create a state-wide prize (maybe with a cash award) for the best new zero waste achievement
- Don't reinvent the wheel

# Task Area 6

- Review implementation of existing environmentally preferred purchasing policies and recommend new environmentally preferred purchasing policies to be used by state and local government entities that will result in reduced GHG generation.
- Volunteers:
  - Leader: Cheryl Smith
  - IWG Co-lead contact: Jay Shepard
  - Other volunteers: Russ Menke, Tracy Farrell, David Quigg

# Task Area 6:

## Suggested Focus Areas

- Add "carbon neutral" as a required attribute of EPP product purchasing
- RCW 43.19.190 related to state purchasing requires that purchasing must be "cost effective," yet does not define what that means. Define "Cost-effective" as meaning "producing optimal results for the expenditure." Optimal results, besides being a low price, must include neutral environmental impacts, or suppliers demonstrating that they have offset the environmental impacts of their products through some acceptable certification process.
- Harmonize the various procurement laws to assure equal application of EPP requirements by all agencies and institutions.
- Establish EPP as equivalent to product cost in the criteria for selecting suppliers or service providers.

# Task Area 6:

## Bike Rack / Parking Lot

- Require environmental impact statements on large purchasing contracts such as automobiles, paper products. (BIKE RACK)
- Require, or establish preference for, purchasing in-state produced products - Use GHG generation including production and transport GHGs, to determine preference. (REFER TO WORKGROUP 2).
- Amend existing procurement laws by eliminating "preferences" (e.g. preference for recycled content paper) and requiring EPP (MERGE WITH RECOMMENDATION 1 ABOVE).
- Encourage appropriate state loan and grant programs to support Washington based businesses that invest in the manufacturing of recycled content products. (REFER TO WORKGROUP 2).
- Import tax based on carbon at production level (for imports into Washington State) (REFER TO WCI).

# Task Area 6:

## Full Brainstorm List from 6/16 Mtg

- These types of policies are very needed for government and others to encourage purchasing of recycled materials (hopefully recycled materials also are low carbon)
- Need to understand what existing state policies are and if they are working
- Need to create a home for new recycled products (related to #2)
- Import tax based on carbon at production level (for imports into Washington State)

# Task Area 7

- Support and expand consumer and industrial product reuse and related business activities.
- Volunteers:
  - Leader: Robyn duPre
  - IWG Co-lead contact: Segoo Jackson
  - Other volunteers:

# Task Area 7:

## Full Brainstorm List from 6/16 Mtg

- Create a meaningful exploration of product reuse options tied to product stewardship
- Identify, explain, encourage, emerging effective opportunities (e.g., the pallet reuse example)
- Provide an environmental credit for energy saved by re using lumber
- Ban plastic grocery bags

# Task Area 8

- Total waste stream reductions in all sectors.
- Volunteers:
  - Leaders: David Dougherty/Jay Shepard
  - IWG Co-lead contact: Jay Shepard
  - Other volunteers: Jody Snyder, Chris Martin, Robyn duPre, Tracey Farrell, Segoo Jackson

# Task Area 8:

## Suggested Focus Areas

- **Collaborate with retailers to achieve consumer waste reduction**  
Create a memorandum of agreement with retailers and the governor to achieve greenhouse gas reduction goals through packaging and product reduction strategies.
- **Food Waste Reduction**  
Implement a “Love Food, Hate Waste” as a food waste reduction strategy similar to that being developed in the United Kingdom.
- **Mixed Waste Paper Reduction Strategy**  
Targeted legislation such as “no junk mail registers” or “telephone books by request only” could significantly reduce the amount of mixed waste paper generated.
- **Construction and Demolition Waste Permit Deposit**  
Authorize local planning departments that issue building permits, to require a C & D recycling plan with an associated C & D waste deposit refundable if 50% or more of waste generated is recycled.
- **Plastics Labeling Law Update**  
Update Chapter 70.95F RCW - Labeling of plastics. The law should be amended to require plastics manufacturers to create end use markets for the plastic resins they produce through a product stewardship model. This idea has nexus with concept number 1, in this task area above, and with task area #4, Product Stewardship.

# Task Area 8:

## Bike Rack / Parking Lot

- Product Stewardship approach for packaging associated with a “pay as you throw” disposal fee system. (REFER TO TASK GROUP 4).
- Implement a very high disposal surcharge that would cause waste generators to reduce waste and consider packaging and products purchased. (BIKE RACK)
- Education – document how waste reduction could work, a point of purchase education program involving retailers (BIKE RACK)
- Transport packaging reduction – pallets and shrink wrap (ROLL INTO RECOMMENDATION 1. ABOVE).
- Improve the quality of the material stream by taxing non-recyclable packaging (ROLL INTO RECOMMENDATION 1. ABOVE).
- Address reuse issues:
  - usable products disposed
  - planned obsolescence
  - product durability
  - retailers dispose returned products.(REFER TO TASK GROUP 7 OR INCORPORATE INTO RECOMMENDATION 1. ABOVE).

# Task Area 8:

## Full Brainstorm List from 6/16 Mtg

- System of financial incentives for "light-weighting" of goods/materials
- Packaging reduction
- Work with retail/grocers to reduce food waste and on light-weighting of packaging
- Ban grass clippings in yard waste
- Charge for recycling (pay as you throw models)
- Water bottle fill stations instead of fountains
- Meaningful discussion in public of source reduction, reframe the issue
- Cultural shift to reinstall thrift as a cultural value
- Work with retailers to reduce packing, go carbon neutral, improve labeling (Great Britain "sell by" clock example)
- Create a "no junk mail list;" may need legislation for this
- Point of purchase education
- Better engage private industry, send better economic signals and incentives
- Engage material scientists in helping to find solutions

# Cross Cutting Ideas / Brainstorming from 6/16 Mtg

- Slick, engaging, good education/advertising that targets from manufacturer to consumer
- Don't reinvent the wheel
- Walk the talk
- Price on carbon -- it will influence decisions
- Improve data on impacts of changes (WARM model that works for our region, e.g.)
- What will state do with state carbon allowance in any cap and trade system -- how will the state allowances work
- Short v. long-term time frame
- Revise/look into methane recycling for landfills, especially from smaller older landfills (not all landfills are the same)
- Require alternative final landfill covers to work as well as standard covers for methane removal (Oregon example)