

# 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, Segeo Jackson

# Task Area 1: Suggested Focus Areas

# Task Area 1

## Bike Rack / Parking Lot

# 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 Hrone-Brine, Bart Kale, David Quigg

# Task Area 2: Suggested Focus Areas

# Task Area 2: Bike Rack / Parking Lot

# 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 fro 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, Segoo 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

- Use green energy pricing to stimulate anaerobic digestion
  - Include new plants, WWTP, co-digestion and plants at composting facilities.

# Task Area 3:

## Suggested Focus Areas

- Organics processing facilities - siting, permitting and compliance
  - Statutory and regulatory analysis of current programs
  - Consider if centralizing and streamlining process for 'one stop shopping' for facilities across state resolves current issues. 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

- Determine incentive programs for use of Compost/organic soil amendments
  - For agricultural sector 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

- Government purchasing
  - Require state and municipal agencies to purchase and utilize processed organic materials and the processing services themselves (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

# Task Area 4: Bike Rack / Parking Lot

# 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

# Task Area 5: Bike Rack / Parking Lot

# 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

# Task Area 6: Bike Rack / Parking Lot

# 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: Suggested Focus Areas

# Task Area 7: Bike Rack / Parking Lot

# 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, Segeo Jackson

# Task Area 8: Suggested Focus Areas

# Task Area 8: Bike Rack / Parking Lot

# 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)