

Greening the OR Cohort

October 18, 2021 | 3:30 PM EST



Towards a circular economy:
GOR strategies that help close the loop



Agenda

- Introductions and updates
- Topic: Circular economy
- Guest presentation:
PeaceHealth
- Discussion: Identifying
circular economy
opportunities

Greening the OR Cohort Participants

Welcome! Please enter your name, city, & state in the chat box



Advocate Aurora Health
Atrium Health
Allina Health
Aspirus
BJC Healthcare
Brigham and Women's Hospital
Bronson Methodist Hospital
Catholic Health System
Cleveland Clinic
Dartmouth Hitchcock Medical Center
HCA
HealthPartners
Johns Hopkins Medicine
Kaiser Permanente
Magee Womens Hospital of UPMC

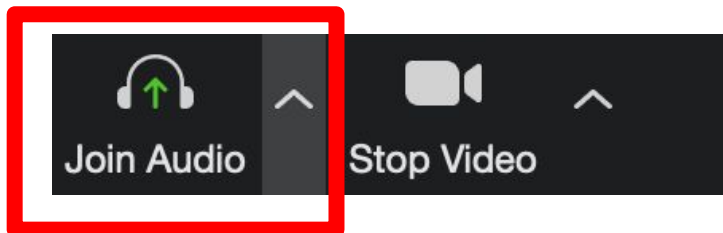
Massachusetts General Hospital
Mayo Clinic
Medstar Health
Memorial Sloan-Kettering Cancer Center
PeaceHealth
Providence Health
Ridgeview Medical Center
Rush University
St. John's Medical Center
Stanford Health Care
Tampa General Hospital
The George Washington University Hospital
UC Davis
UC Irvine
UCSF

UF Health Shands
University of Chicago Medicine
University of Illinois
University of Maryland Medical Center
University of Utah
UVM Health Network
UW Health
UW Medicine - Harborview Medical Center
Vail Health
VHA
Virginia Mason Franciscan Health
Yale-New Haven Hospital

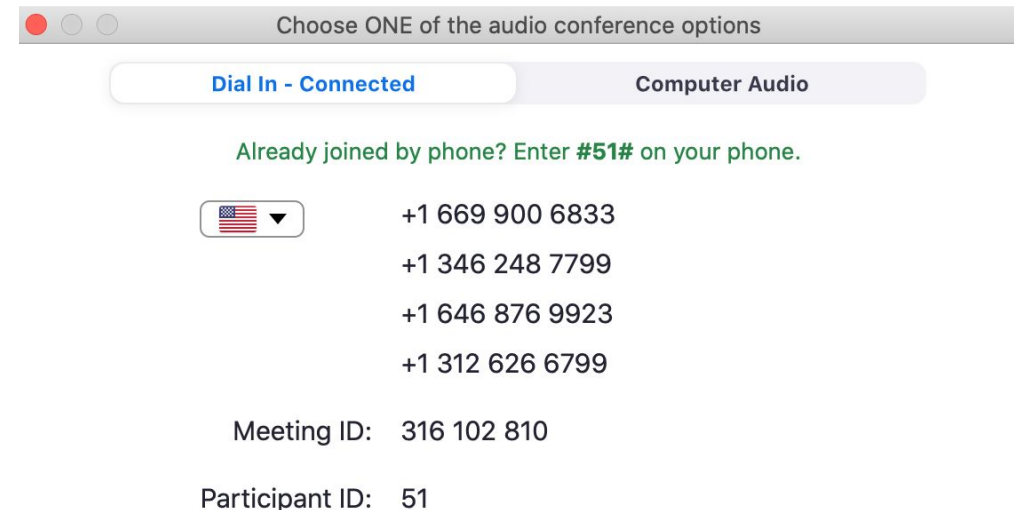
Housekeeping | How to pair your phone and computer

Ensure your audio is paired with your participant ID to ensure breakouts go smoothly

1. Click on
Join audio



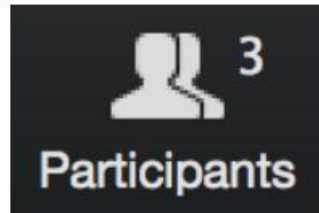
2. On dial pad enter:
participant ID



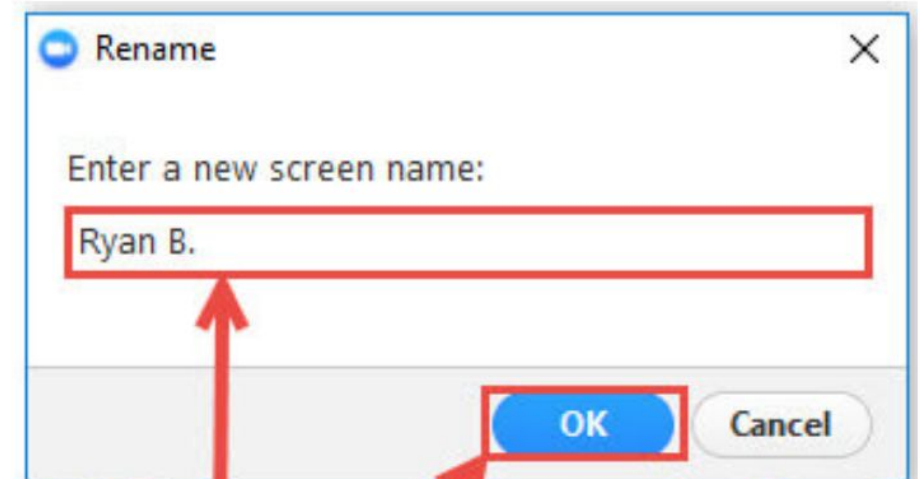
Housekeeping | How to rename yourself in Zoom

Rename yourself to include your first name and organization name.

Sample: Sarah, St. Johns Hospital



2 In the "Participants" list on the right side of the Zoom window, hover over your name and click on the "Rename" button.



3 Type in the display name you'd like to appear in the meeting and click on "OK".

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What do you think of when you hear the term 'Circular Economy'?

HARD to collect items and segregate

Logistics
Recycling

no markets Less waste

Cradle to cradle recycling, reuse Challenge

Take back products

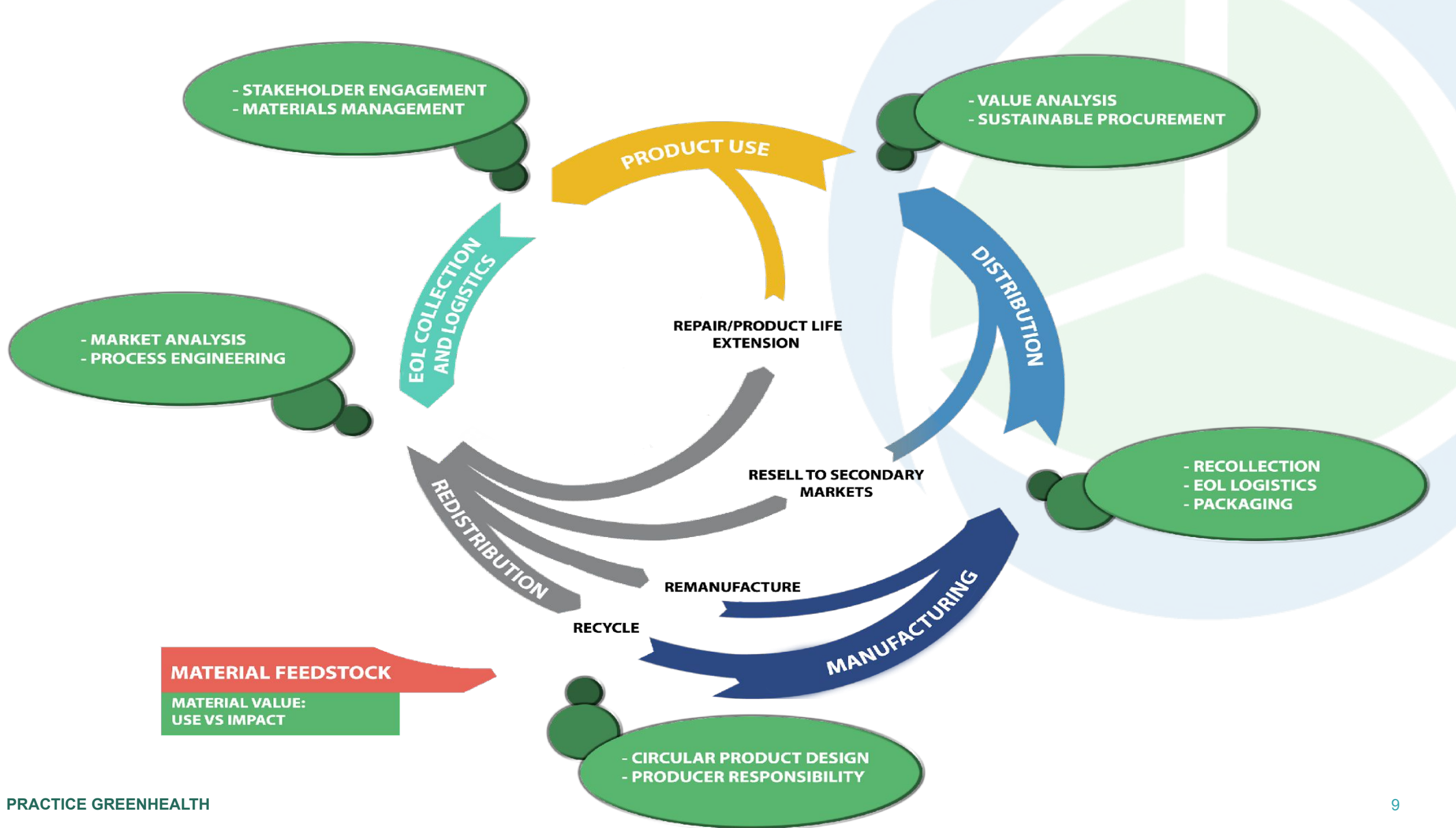
Resistance from SUD OEMs

Opportunity

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Circular economy definition / principles

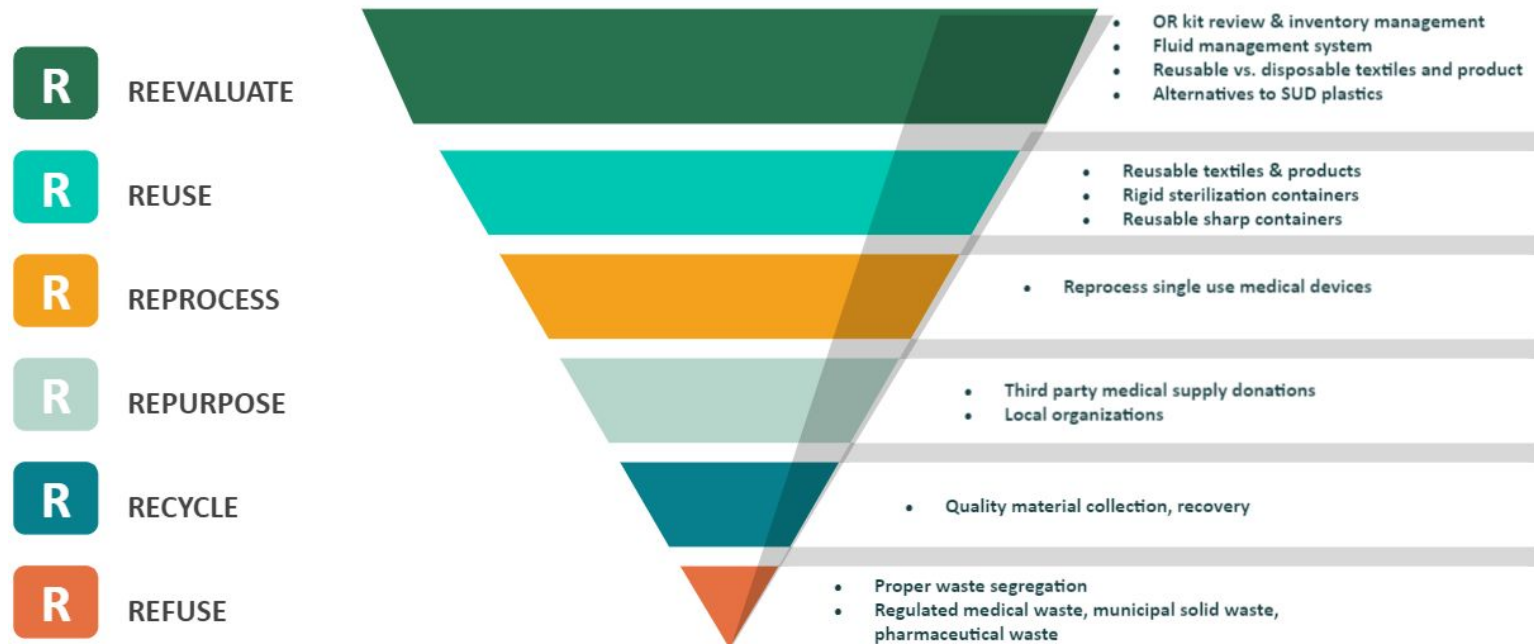




Examples of circular economy in the OR

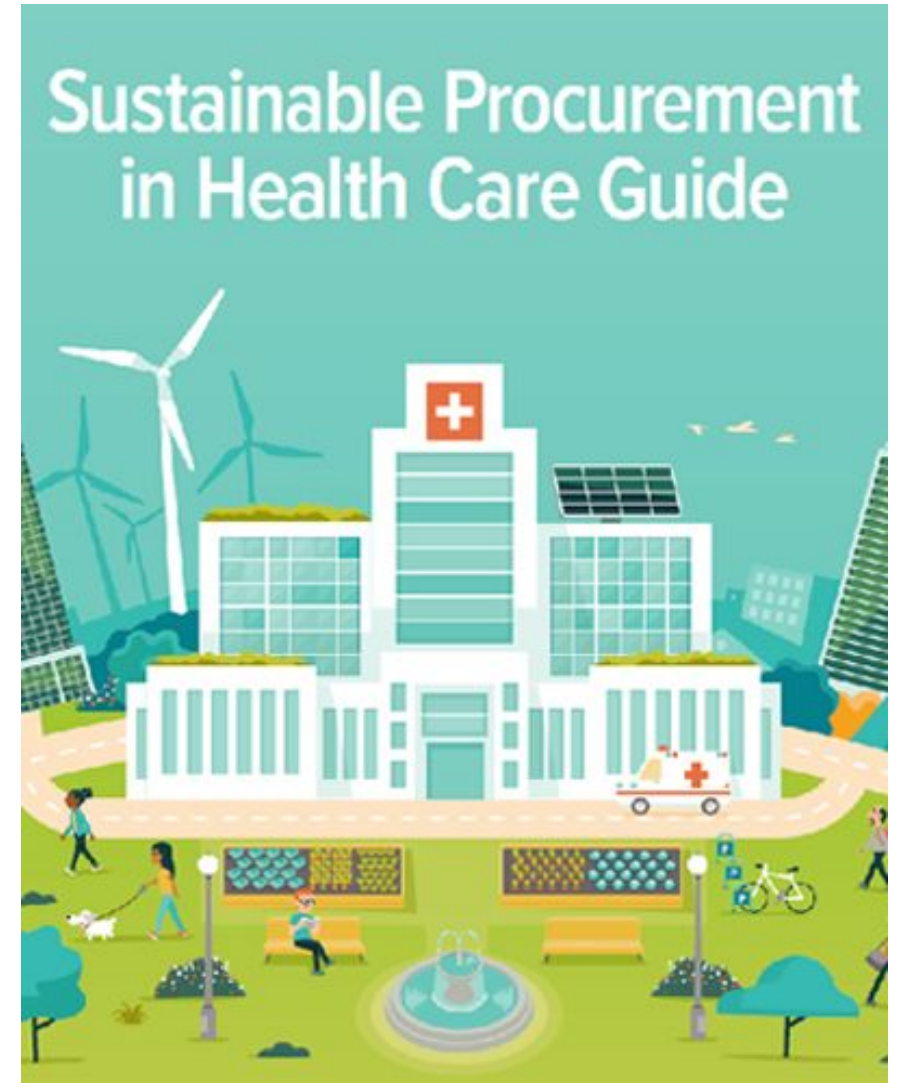
- Reusable is best
- Chemical recycling for mixed soft plastics
- Bio-based products
- Blwrap recycling
- Single use PPE recycling
- Anesthesia gas sequestration & reuse

The six Rs of waste reduction in the OR



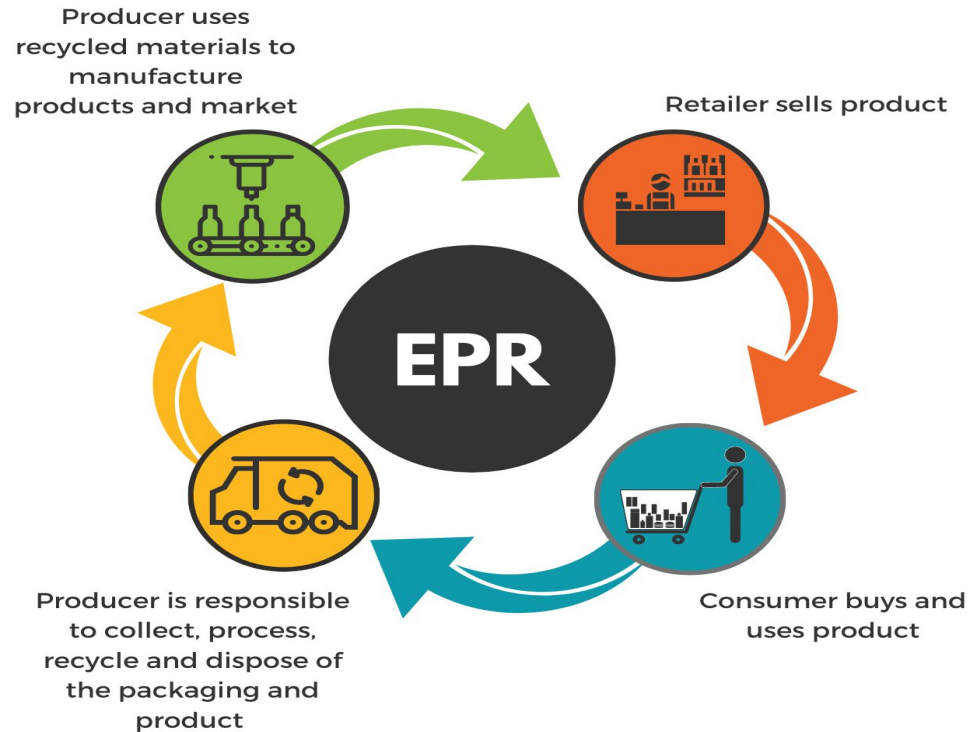
How do you push your supplier to become more circular?

- Leverage your purchasing power
 - speak to reps about recycling programs
 - work with procurement to address recyclability in contracts
- Speak to waste vendors about collection programs
 - non single stream collection programs
- Push for extended producer responsibility
 - align with facility waste reduction goals



Extended producer responsibility

What is Extended Producer Responsibility (EPR)?



- Policy approach for financial or physical responsibility for the treatment or disposal of products
- Product design
- Use recycled materials
- Make materials recyclable
- Create logistics programs for collection of post use products
- 7 Active EPR Bills
 - CA, HI, MD, MA, NY, OR, WA
 - Bills focus on recycling infrastructure and product stewardship



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What do you see as the most important characteristic/feature of the circular economy?

What do you see as the most important characteristic/feature of the circular economy? 9

Product design 89 %

Extended producer responsibility 0 %

Logistics (collection, aggregation) 0 %

User education 0 %

Other (enter it in the chat!) 11 %

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What do you feel is the best material stream or opportunity in the OR that could be circularized?

What do you feel is the best material stream or opportunity in the OR that could be circularized? 5 👤

Rigid plastics

Waste Anesthesia Gas

More SUDs

rigid plastics (PET, HDPE)

SUDs

PeaceHealth SW Blue-Wrap

Sterilization Wrap Waste is Big Problem...

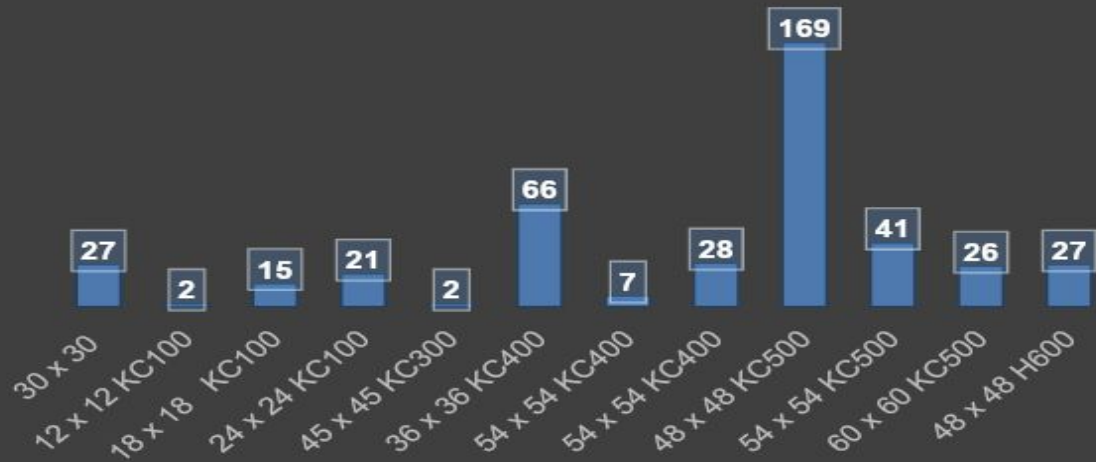
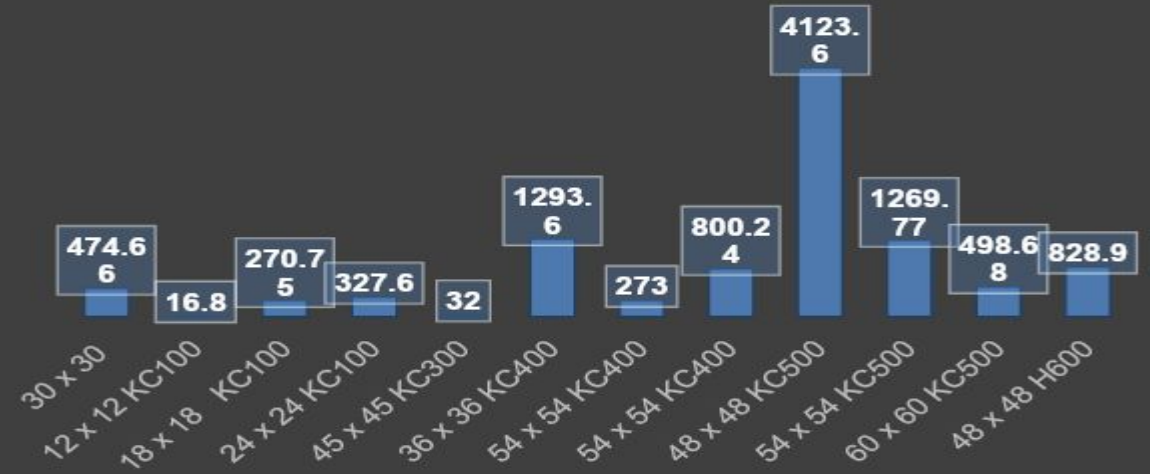


5,620 hospitals
consume

An estimated
100 Million lbs
annually



80% of which
can be repurposed

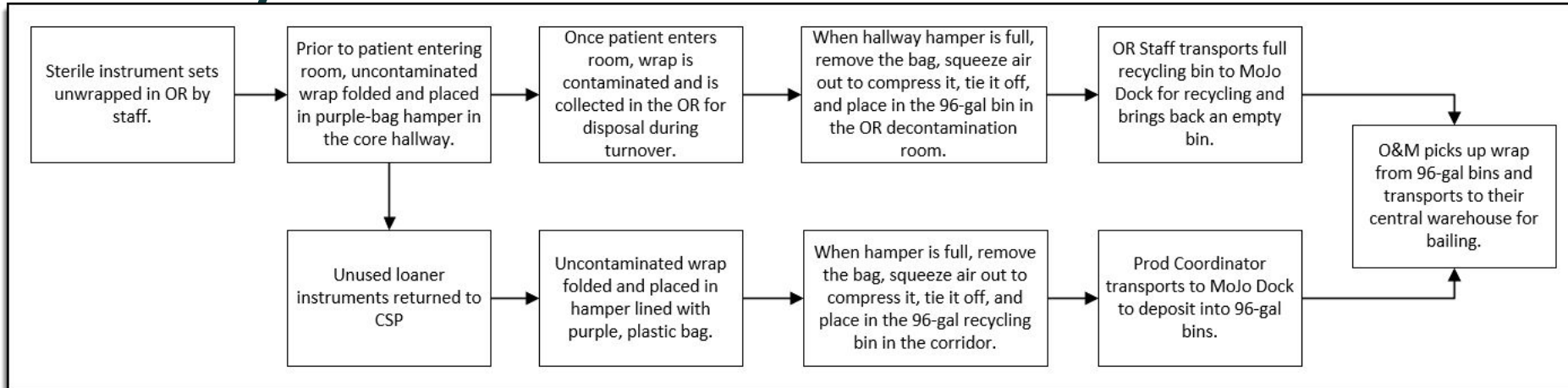


Period 1 Feb 2020 – 1 Jan 2021

Total Spend \$82,029
 Total weight (lbs) 10,291
 Total tons 5.1

Note: this was an atypical year due to Covid and the closing of our ORs, so our figures would usually be higher than these.

Halyard Blue Renew



Folding reqs:

<https://theblueconcompany.com/halyards-blue-renew/>

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Discussion





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What have you learned today that you can put to use in the near future (next 6 months)?

What have you learned today that you can put to use in the near future (next 6 months)? 5 👤

More about anesthesia gas and removing deso.

Options for blue wrap take back

Good ideas... getting me to think of other opportunities

Incorporate product take back into contract negotiations

Canadian companies want our scavenged gas. 😊

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Future calls & structure



Third Monday every two months

Next call: (*updated for December)
Monday, December 13, 3:30-4:45 Eastern

Looking back at 2021, looking ahead to 2022

What would you like to discuss in December?

Additional resources



Practice Greenhealth resources

- [Greening the OR Checklist](#)
- [Responsibility and Accountability Stakeholders: Identifying Executive and Clinical Champions](#)
- [Accelerate Change: Greening the OR Quickstart](#)
- [Sustainability Benchmark Data](#)
- [HCWH Physician Network](#), Surgeons for a Sustainable Future

External resources

- American Society of Anesthesiologists [Greening the Operating Room](#)
- AORN [Position Statement on Environmental Responsibility](#)

Recent articles



- [Operating in a Climate Crisis: A State-of-the-Science Review of Life Cycle Assessment within Surgical and Anesthetic Care](#)
- [Environmental emissions reduction of a preoperative evaluation center utilizing telehealth screening and standardized preoperative testing guidelines](#)
- [Invited Perspective: Life Cycle Analysis: A Potentially Transformative Tool for Lowering Health Care's Carbon Footprint](#)
- [What Otolaryngologists Can Do to Lessen Their Carbon Footprint](#)



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