

TEST PRACTICE GREENHEALTH - HEALTHCARE FACILITY WITH BEDS AND ORS — no.1681969

Partner Recognition - 2016: Greening the OR

Introduction

Between 20 and 30% of a hospital's waste stream may be generated in just one department-- Surgical Services. Greening the OR is a Practice Greenhealth initiative focused on providing concentrated sustainability support and assistance to a department that generates a significant portion of the hospital's environmental footprint. The Greening the OR Initiative aims to improve worker and patient safety, increase efficiency, and reduce cost while concurrently reducing waste, energy and environmental impact. Because an increasing number of facilities have begun to zero in on environmental innovations in this space, Practice Greenhealth wants to recognize the great work happening in <u>operating rooms</u> around the country.

New in 2016 Practice Greenhealth is introducing a stand-alone Greening the OR Recognition Award that recognizes a baseline set of achievements in reducing the environmental impact of the surgical department. Any Practice Greenhealth member health care facility with operating rooms—whether acute inpatient hospital or ambulatory surgery center—is eligible for and encouraged to apply for this award by completing the Greening the OR application.

Practice Greenhealth will continue to recognize the <u>(one)</u> outstanding performer in Greening the <u>Operating Room</u> with its <u>Greening the OR Leadership Award</u> and the <u>top 10 performers</u> through its <u>Greening the OR Circle of Excellence</u>.

The Greening the OR page of the Partner Recognition application does not qualify a hospital for the Greening the OR Award. You must fill out a separate application to be considered. To apply, go to your <u>Dashboard</u> and start a new Greening the OR application.

1.	Does yo	our facility have a sustainability champion or leader in the OR?
	<u>1.a</u>	Name:
	<u>1.b</u>	Title:
	<u>1.c</u>	Email:

Waste Segregation & Management

Proper waste management is critical to any successful environmental stewardship program, but it is especially important within the <u>operating room</u>. The OR can account for 30% of a facility's overall waste and more than half of its <u>regulated medical waste</u>. There are strategies to reduce the amount of waste generated by the OR, but it's also important for facilities to ensure that the waste is being properly segregated to maximize <u>recycling</u> and reduce cost. Please use this section to highlight the waste segregation strategies implemented by the surgical department.

You may leave a requested data point blank, but please do not enter zeros. Enter savings as a positive number.

<u>2.</u>	Does the facility have a process to divert pre-incision (prior to the case) (non-pharmaceutical waste) from the regulated medical waste stream into the solid waste stream for non-infectious waste disposal? Yes No
<u>3.</u>	Does the facility have a process to segregate non-infectious solid waste from the regulated medical waste stream during and after the procedure? Yes No
<u>4.</u>	Does the facility utilize a fluid management system that empties directly into the sanitary sewer as a means to reduce exposure to bloodborne pathogens and reduce waste? Yes No
	4.a Does the facility utilize a reusable canister fluid management system? C Yes No
	owing questions on <u>recycling</u> clinical plastics are also asked on the Waste page. Please denote here if you are <u>recycling</u> clinical plastics ne <u>operating room</u> .
<u>5.</u>	Does the facility recycle clinical/<u>medical plastics</u> in the OR? Yes No
	5.a Please select all clinical/medical plastics being recycled in the OR: ☐ Irrigation bottles ☐ Skin prep solution bottles ☐ Trays ☐ Overwraps ☐ Rigid inserts ☐ Blue wrap ☐ Tyvek ☐ Basins

	Jrinals/I Other	Bedpans			
<u> </u>	.a.a	Please describe other plastics being recycled in the OR:			
Single-Use Devi	ce Rep	processing			
		e medical devices (SUDs) goes beyond the <u>operating room</u> and includes many other patient care areas. To simplify, king all questions pertaining to SUD reprocessing on the Greening the OR page in 2016. Please enter all SUD reprocessing			
6. Has your fac	cility imp	plemented a single-use device reprocessing program by an FDA-approved third party reprocessor?			

Please indicate which **department(s)** your facility has implemented a reprocessing program in by selecting Yes or No below.

Table A	Δ1.	Reprocessing	hν	Department

C YesC No

Department	Collect Reprocessed Devices	Purchase Reprocessed Devices
OR	6.a ○ Yes ○ No	6.b ℂ Yes ℂ No
EP/Cath	6.c C Yes C No	6.d ○ Yes ○ No
Patient Care	6.e ○ Yes ○ No	6.f ○ Yes ○ No
Other	6.g ○ Yes ○ No	6.h C Yes C No

Please indicate which **device type(s)** your facility is reprocessing by selecting **Yes or No** below. Select **No** if your facility did not collect/purchase reprocessed devices in that category in 2015.

Table A2. Reprocessing by Device Type

Device Category	Collect Reprocessed Devices	Purchase Reprocessed Devices
Non-Invasive	6.i C Yes C No	6.i C Yes C No
Invasive	6.k C Yes C No	6.I C Yes C No

Please enter the total avoided waste in pounds (Lbs) in	n 2015 as a result of your facility's reprocessing collection program below.
Table A3. SUD Reprocessing Collection Data	
SUD Reprocessing Collection Savings	Total
Weight of devices collected (in pounds)	
Weight of devices collected, converted to tonnage	0
Avoided waste disposal costs	6.o
	re the reprocessing purchasing power of the health care sector through the dollars sec
Category	2015
Non-Invasive	
Invasive	
Total	0
Please enter total dollars saved on purchased reproc	essed devices in Table A5 below.
able A5. Reprocessing Purchase Savings	
Reprocessing Program Savings	2015
Non-Invasive Devices	
Invasive Devices	
Total	0

*Vendor terminology differs. The two terms that may be found on reports are "Variance" or "Purchase Efficiency". This data is tracking the number of devices the facility collected for reprocessing that were then available to buy-back, and the percentage of those devices available to buy-back that the facility purchased. For some vendors, a number above 100% is possible if your facility is buying more reprocessed devices made available than what was actually collected at that facility. Please ask your vendor for assistance on this section. For additional information and step-by-step help, please click here.

	Catego	ry	Variance/Compliance/Efficiency	
	Total %	*	6.v	
			lave trouble finding this number, please review the PGH Resource on Greening the OR enter % or \$ signs in table above or it will give you a validation error message.	
<u>7.</u>		attach any related reprocessing policies in place at the facility provided above for successes, in Question 8 if you desire.	or system level. You may describe the policy as part of your answer in	
<u>8.</u>	Is your to Yes	facility participating in the Reprocessing Goal of the Smarter F	Purchasing Challenge of the Healthier Hospitals program?	
Wast	<u>8.a</u>	Please describe any progress toward this goal:		
Was	te Redu	ction in the OR		
Identi well a	fying oppo s avoid w y has utiliz	ortunities to eliminate unnecessary waste from the operating revaste disposal costs, and reduces the amount of waste requiring	pom waste stream can help facilities reduce upfront purchase costs as g disinfection/treatment. Please highlight any strategies or projects the ducing unnecessary supplies, better inventory tracking, using reusable o	
Identi well a	fying opposes avoid we has utilized cessable. Does the	ortunities to eliminate unnecessary waste from the operating regarded disposal costs, and reduces the amount of waste requiring zed to reduce the amount of waste leaving the OR, including recequipment, and more.	g disinfection/treatment. Please highlight any strategies or projects the ducing unnecessary supplies, better inventory tracking, using reusable or usedto reduce purchase and disposal fees for excess supplies, and	

Total number of OR Kit Types

Number of Kit Types Reviewed

Percent of Kit Types Reviewed

0

<u>10.</u>	Is your facility participating in the OR Kit Review Goal of the <u>Smarter Purchasing Challenge</u> of the Healthier Hospitals program? • Yes • No						
	<u>10.a</u>	Please describe any progress toward this goal:					
11.	Does the Yes						
	<u>11.a</u>	Please describe which reusable devices or reusable surgical I	nen types are being utilized more than 75% of the time in the OR:				
<u>12.</u>	Does the facility utilize reusable hard cases for sterilization of surgical instrumentation and reduction of disposable sterile wrap? • Yes • No						
	Please fill in Table C.						
	Table C. Rigid Sterilization Containers in the OR						
	Total n	umber of OR Kit Types	12.a				
	Numbe	r of Kit Types Reviewed					
	Percent	t of Kit Types Reviewed	0				
<u>13.</u>	Does the Yes	e facility utilize microfiber mops in the OR as a means to redu	ce water usage, ergonomic stress, and waste?				
Ener	gy Redu	uction in the OR					

The <u>operating room</u> is a significant user of energy, with high demand from life-saving medical equipment, high air change per hour requirements, lighting, and more. As a result, strategies to reduce energy consumption in the <u>operating room</u> can derive considerable cost and energy savings. Please highlight any energy efficiency projects or strategies in the <u>operating room</u>.

<u>17.</u>	OR. So Does th	me facilities e facility me	s assume that more air exchanges (exceeding code) equals better patient safety despite little clinical evidence to support it. eet but not exceed air changes per hour per ASHRAE 170 (20 ACH) as a mechanism to minimize energy consumption in nsuring patient safety?					
	© Yes							
<u>15.</u>		facility pro consumptio	grammed the HVAC system to reduce air changes per hour (HVAC setback) when the ORs are unoccupied to reduce on?					
	<u>15.a</u>	✓ Occupa✓ Mushro✓ Schedu	chanism does the facility use to control HVAC setback? ancy sensors bom button uling system g Automation System					
		<u>15.a.a</u>	Please describe other mechanisms used for control of HVAC setback:					
	How many ORs have implemented an HVAC setback program?							
	Operat	ing Rooms	(<u>ORs</u>):					
	0							
	From you	r Facility Profi	le.					
	Your fac	cility utilizes	s HVAC setback in this percent of your ORs , based on above information:					
	0							
		mation on H	VAC Setback Programs for the Operating Room , please see the American Society for Healthcare Engineering OR HVAC ilable here .					
<u>16.</u>	Does the Yes	e facility uti	lize LED surgical lighting?					
	<u>16.a</u>	How many	y <u>ORs</u> are equipped with LED surgical lighting?					

	Operating Rooms (ORs):
	0
	From your Facility Profile.
	Your facility utilizes LED surgical lighting in this percent of your ORs , based on above information:
	0
<u>17.</u>	Does the facility utilize occupancy sensors for lighting to reduce energy consumption when the OR is unoccupied and not in use? • Yes • No
	17.a How many ORs are equipped with occupancy sensors?
opport greenh are oft enviro the fac	gh very new to the hospital sustainability spectrum, leading hospitals are re-evaluating the anesthesia care regime for environmental stewardship unities that align with patient safety and/or cost reduction. Choice and management of anesthetic gases is important to the facility's overall louse gas (GHG) emissions and climate impact. The volatile anesthetic agents used for patient care in an operating room or procedural setting en vented directly into outside air. Even intravenous anesthetic agents, which don't generate greenhouse gases, have an impact on the imment and must be incinerated rather than contaminate land and water supply. And with severe drug shortages, it is even more critical to be sure lility is carefully managing their use. Tracking and evaluating the use of the different anesthetic agents that are both clinically effective and immentally preferable is indicative of culture change within the clinical practice.
	HS England and England Public Health Sustainable Development Unit also offers assistance calculating the carbon footprint of anesthetic gas available here: SDU Anesthetic Gas Calculator
	nerican Society of Anesthesiologists provides guidance on Greening the OR for anesthesiologists in Greening the Operating Room: Reduce , Recycle and Redesign .
18.	Has the facility provided or held anesthesia staff education on environmental impacts of inhaled anesthetics and reduction strategies for clinicians? • Yes • No
<u>19.</u>	Please share any additional comments or clarification around anesthesia data or sustainability strategies:

Greening the OR Successes

	e describe any other innovative Greening the OR programs or successes at the facility in 2015 that you would like to share in the spaces below. Expected free to provide commentary and/or attach a file.
<u>20.</u>	Success 1: Please describe
<u>21.</u>	Please attach any additional documentation (optional):
<u>22.</u>	Success 2: Please describe
<u>23.</u>	Please attach any additional documentation (optional):