

Meeting: KET HC Monthly Meeting  
 Location: Knox County Health Department  
 12/10/2019 2:30PM to 4:00PM



## December 2019 Agenda

<b>Introductions</b>	All
<b>Minutes Approval</b>	John Brinkley
<b>Surge Estimator</b>	John Brinkley
<b>Fight Flu</b>	Wanda Roberts
<b>Ventilator Purchasing</b>	Chris McLain/Tonya Shott
<b>Budget Update</b>	Wanda Roberts
<b>Proposal</b>	Marcus Shepard
<b>DOT Refresher Course</b>	John Brinkley
<b>Amateur Radio</b>	Jim Snyder
<b>CMS 17 Updates</b>	
	<ul style="list-style-type: none"> <li>• Group 1 – Long Term Care</li> </ul>
	<ul style="list-style-type: none"> <li>• Group 2 – Home Health/Hospice</li> </ul>
	<ul style="list-style-type: none"> <li>• Group 3 – Ancillary/Outpatient</li> </ul>
	<ul style="list-style-type: none"> <li>• Group 4 - Dialysis</li> </ul>
<b>Regulatory/Compliance Update</b>	<ul style="list-style-type: none"> <li>• Open Discussion</li> </ul>
<b>Real Events</b>	<ul style="list-style-type: none"> <li>• Open Discussion</li> </ul>
<b>ParkWest Ribbon Cutting</b>	<ul style="list-style-type: none"> <li>• Paul Parson</li> </ul>
<b>Attended Events/Exercises/Training</b>	<ul style="list-style-type: none"> <li>• HAM Class</li> <li>• HLS Courses (Active Shooter)</li> <li>• National Healthcare Conference</li> <li>• Jefferson Co School Active Shooter TTX</li> <li>• Other</li> </ul>
<b>Upcoming Training</b>	<ul style="list-style-type: none"> <li>• Annual Highly Infectious Disease Conference 23March2020</li> </ul>
<b>Other</b>	<ul style="list-style-type: none"> <li>• Open Discussion</li> <li>• Presentation for Region 4 HCC/EMAG Conference COB 16Dec2019</li> <li>• Next Meeting – 14January2020</li> </ul>
<b>Adjourn</b>	

## December 12, 2019 Minutes

<b>Introductions</b>	All
<b>Minutes Approval</b>	Motion: Janet Rowe Second: Trish Polfus
<b>Surge Estimator</b>	Currently we have 16 of 19 facilities who have completed the surge estimator. If you have not completed, please do so as soon as possible. <i>(Currently we have 17 of 19 complete with Jellico and Claiborne remaining).</i> As a reminder, this information is de-identified and will only be used as a regional/state total. There are some issues with the formulations that have been brought to ASPRs attention and in the future there may be some changes. When we submit this information we will include a notation that the surge numbers are inflated due to the formulations and are not accurate for any real world event capability.
<b>Fight Flu</b>	This was a public health statewide initiative on November 19 and was successful with almost 10,000 free vaccinations given. Within our region, we had a 32% compliance rate for our hospitals to update within 30 minutes of activation, and 68% compliance within 8 hours of event activation. These numbers are better than last year and we will work toward continued improvement for next year.
<b>Budget Update</b>	(Please see attached). Currently, budget stands at \$234,909.74. We have about \$25,000 remaining in expected costs (chempack phones, website, generator maintenance (LaFollette), upcoming exercise, conference reimbursement). This leaves approximately \$200,000 to complete this year's projects. <ul style="list-style-type: none"><li>• Portable Vents:<ul style="list-style-type: none"><li>○ This project is still in planning stages, waiting for information from EMS. Coalition agreed vents need to be placed as needed with EMS. In order to complete within this funding year, we will mirror the completed portable vent project done in the Upper Cumberland region to make sure we meet identified gaps and receive project approval. We will move forward by<ol style="list-style-type: none"><li>1. Identifying which counties do not have a portable vent within the EMS services</li><li>2. Of those counties, which have personnel trained to use portable vents.</li><li>3. Once we have this information, we will move forward to place vents, within available budget, with MOUs in place for each county agency that is provided a vent.</li><li>4. If EMS service for that county is not interested in vent (and acceptance of usage agreements for maintenance and training), if there is a hospital in that county, we will see if hospital is interested in vent to ensure our gap areas have coverage.</li></ol></li></ul></li></ul>

## *December 12, 2019 Minutes*

5. We will determine number of vents to purchase after we identify gaps and have more concrete dollar amount of funding available.

- Lots of discussion on vent type. Although there are less expensive options, there are concerns. For consideration, we need to keep in mind proprietary concerns, serviceability, supply and upkeep need. Group, as well as subject matter experts in attendance, preferred the Revell as a more universally compatible vent for usability. We will try to get answers for questions on lesser known vents as we proceed, but will defer to the Revell as preferred vent at this time.

- **Portable Trailer:**

The Fire Chaplains build trailers with toilets, showers, and laundry to be used as a support unit. These portable trailers cost about 25,000/each. No motion to proceed at this point for this equipment.

- **Hoods:**

- Request for funding from Blount Memorial, Turkey Creek Medical Center and Jefferson Memorial. The proposal is being presented with the expectation that this can be a regional purchase as everyone should be in the same situation with outdated equipment. These can be used for infectious disease, but are not ideal for that. Marcus recommends 12 units per facility as a basis to start from. Cost per unit 500-600 each.
- John Brinkley has information on a new hood that may be easier to store and has no expiration date. John will send that information out. The unit is called the Sentinel XL CBRN PAPR System. (Flyer attached). Prices are relatively comparable.
- We will get more information on how many each hospital needs and costs and bring back to coalition at next meeting.
- Suggested we look at supplying ½ BUTYL hoods needed this funding period. Estimate cost for that approximately 114,000.
- It was discussed that all PPE equipment purchased in early 90's (including trailers) are now in poor shape.

- If we have fall out funds, we will consider purchasing exercise manikins.
- Coalition needs HAZWOPER refresher class. John and Wanda will look to schedule 1, possibly 2, for early 2020. Because of grant requirements, we will have to either provide sole source justification or receive 3 bids for services.
- Motion to move forward with Hazwoper classes: Trish Polfus, second: Tonya Shott.

### **Refresher Class**



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<b>HAM</b>	General training class and testing upcoming in January. Dates to be announced.
<b>CMS 17 Group Update</b>	<ul style="list-style-type: none"><li>• Will be meeting with all the groups on 12/14/19 to do Stop The Bleed training. Each facility attending will receive a STB kit. Coalition members have been invited to attend.</li><li>• CMS has changed some of the requirements, but have not yet posted to their website. As soon as these changes are posted, we will share. The biggest changes revolve around ancillary clinics and annual exercise requirements.</li><li>• Our CMS17 group has a new logo, thanks to Caitlyn Yount. Caitlyn won a trip to the Emergency Management Summit in Savannah Georgia, March 2020. Great job, Caitlyn!</li></ul>
<b>Pediatric Plan</b>	<ul style="list-style-type: none"><li>• Oseana and Christy have been working on our regional plan. CoPEC has produced a state plan that can be revised to meet regional needs and that is being incorporated as well. Should be ready for review soon.</li></ul>
<b>Communications</b>	<ul style="list-style-type: none"><li>• We are setting up time for a 'field trip' to see the system used by Ballad Health in the Northeast TN/Virginia area. It was mentioned as a possible alternative to replace failing systems we currently have in place.</li><li>• Marcus will provide additional information on a system from Motorola at our next meeting the group may be interested in.</li></ul>
<b>Regulatory/Compliance</b>	<ul style="list-style-type: none"><li>• If you have underground storage fuel tanks used for generators (dual use tank), previously exempt regulations no longer apply. Enforcement for this will begin in 2021.</li></ul>
<b>Exercises/Training Attendance</b>	<ul style="list-style-type: none"><li>• Regional Exercise has to be done before May 08, 2020. We will send out an invite this month for our first exercise planning meeting. All are invited to attend.</li><li>• National Healthcare Coalition Preparedness Conference, Houston, TX. : KET Coalition had one presentation that was well attended. The presentation, "Cause and Effect: The Evolution of the Coalition from Real World Events" discussed the changes seen in the coalition due to directional requirements from ASPR and events in our region. The session generated a lot of discussion afterwards. It was refreshing to see our Coalition recognized as a national leader in many healthcare initiatives. Thank you to our great coalition members for your support and hard work to make sure we are prepared.</li><li>• EMAT had some great CMS focused presentations. Next year they will look to add more healthcare specific sessions to be more inclusive of the</li></ul>



***December 12, 2019 Minutes***

healthcare community.

- Jim Snyder shared RADON information (please see attached) he received from the EMAT conference. Everyone should consider testing their homes with the available free testing kits you can order online.

**Real Events**

- East Tennessee Children’s Hospital will have a planned phone outage beginning 12/12/19. Alternate numbers will be provided beforehand via TNHAN.
- Dogwood Tower opening at Parkwest: This new tower adds an additional 40,000 sq. feet, 72 rooms, 10 new OR rooms, staging area, and a 12 bay holding area. This is a welcome addition, not only to Parkwest, but for our region.

**Upcoming Training**

None at this time

**Other**

- We have been told that programming errors in HRTS have been fixed. If you are still receiving messages that your facility has not updated, when they have, please let John or I know.
- Angie Bowen (REACTS) requested information on how many facilities still have gamma sources at their facilities. She will send in an email to be shared with our healthcare facilities to ascertain.

**Adjourn**

Motion: Wendy Muncy  
Second: Logan Farr

Please Initial in the block for the Current Month

Hospital	Hal	Leftwich	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19
Big South Fork Medical Center	Hal	Leftwich							
Big South Fork Medical Center	Anthony	Terry		Phone					
Big South Fork Medical Center	Machelle	Lee					PRESENT		
Blount Memorial Hospital	Judy	Effler							
Blount Memorial Hospital	Sam	Davis	PRESENT						
Blount Memorial Hospital	Marcus	Sheppard	PRESENT		PRESENT	PRESENT	PRESENT	PRESENT	
Blount Memorial Hospital	Wendy	Muncey		PRESENT		PRESENT		PRESENT	
Claborn County Hospital	Mike	Campbell	PRESENT		PRESENT	PRESENT		PRESENT	
East Tennessee Children's Hospital	Steven	Bohanan	PRESENT	PRESENT		PRESENT	PRESENT		
East Tennessee Children's Hospital	Oseana	Bratton		Phone	PRESENT	PRESENT		PRESENT	
East Tennessee Children's Hospital	Christy	Cooper		PRESENT		PRESENT	PRESENT		
Fort Loudoun Medical Center	Elvira	Keeble	PRESENT	PRESENT		PRESENT		PRESENT	
Fort Sanders Regional Medical Center	Robert	Taney		PRESENT	PRESENT	PRESENT	PRESENT		
Jefferson Memorial Hospital	Jason	Fox	PRESENT	PRESENT	Phone	PRESENT	PRESENT	PRESENT	
Jefferson Memorial Hospital	Caryn	Pickens	PRESENT	PRESENT	PRESENT		PRESENT	PRESENT	
Jellico Community Hospital	Machelle	Lee					PRESENT		
Lafollette Medical Center	Missy	Turner		Phone	Phone				

Please Initial in the block for the Current Month

Hospital		Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19
LeConte Medical Center	Brennan	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	<i>MB</i>
Morrisstown Hamblen	Brennan	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	<i>MB</i>
Methodist Medical Center of Oak Ridge	Trish		PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	<i>MB</i>
Covenant Health	Phil		PRESENT	PRESENT	PRESENT		PRESENT	<i>MB</i>
North Knoxville Medical Center	Danny		PRESENT	Phone				<i>MB</i>
North Knoxville Medical Center	Tina			PRESENT		PRESENT		<i>MB</i>
North Knoxville Medical Center	Miranda					PRESENT	Phone	<i>MB</i>
11	<i>MB</i>							<i>MB</i>
Parkwest Medical Center	Paul	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT		<i>MB</i>
Peninsula Hospital	Todd			PRESENT	PRESENT	PRESENT		<i>MB</i>
Roane Medical Center	Sandy			Phone	PRESENT		PRESENT	<i>PHONE</i>
Sweetwater Hospital Association	Beverly		Phone		Phone		Phone	<i>PHONE</i>
Tennova Newport Medical Center	Stephnie		PRESENT	Phone				<i>MB</i>
Tennova Newport Medical Center	Gary		PRESENT	PRESENT			PRESENT	<i>MB</i>
Turkey Creek Medical Center	Tonya	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	<i>MB</i>
University of Tennessee Medical Center	Brian	PRESENT						<i>MB</i>
University of Tennessee Medical Center	David			PRESENT				<i>MB</i>
University of Tennessee Medical Center	Janet	PRESENT	PRESENT		PRESENT	PRESENT	PRESENT	<i>MB</i>

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*Vidiri Carver-Faker*

*MB*

Please Initial in the block for the Current Month

				Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19
CMS 17										
DCI	Connie	Harig					PRESENT			GA
Fresenius Kidney Care Dialysis	Jim	McCammon		PRESENT	PRESENT				Phone	
Hillcrest HealthCare	Kristi	Mayer-Weeks							PRESENT	
Rural Medical Services, Inc.	Lindsey	Shults					Phone			
Rural Medical Services, Inc.	Tracy	Smith		PRESENT						
Select Specialty Hospital	John	Roy		PRESENT		PRESENT		PRESENT	PRESENT	
Smoky Mountain Home Health and Hospice	Jan	Brooks		PRESENT	PRESENT		PRESENT	PRESENT	PRESENT	JB
Tennessee Valley Eye Center	Tommy	Bowers		PRESENT	PRESENT		PRESENT	Phone		PHONE
Emergency Management Agency										
KEMA	Colin	Ickes			PRESENT					
KEMA	Judy	Wasik				PRESENT	PRESENT			
TEMA	Josh	Garner			PRESENT		PRESENT	PRESENT		
TN Homeland Security District 2	Jenny	Holden								
	Logan	Farr		PRESENT	PRESENT		PRESENT	PRESENT		LF

Please Initial in the block for the Current Month

EMS				Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19
AMR Knox (Region II EMS)	Chris	McLain			PRESENT	Phone			PRESENT	<i>GM</i>
Life Guard (Region II EMS)	Berrie	Hayes					phone			<i>GM</i>
Monroe CO EMS (Region II EMS)	Randy	White					phone	Phone		<i>GM</i>
Fire										
Forensic										
Knox County Regional Forensic Center	Jody	Persino		PRESENT	PRESENT			PRESENT	PRESENT	<i>AA</i>
Knox County Regional Forensic Center	Chris	Thomas							PRESENT	<i>AA</i>
Health Department										
Knox County Health Department	Angela	Allred		PRESENT	PRESENT	PRESENT	PRESENT		PRESENT	<i>AA</i>
Knox County Health Department	John	Brinkley		PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	<i>AA</i>
Knox County Health Department	Larry	Hutsell		PRESENT	PRESENT				PRESENT	<i>AA</i>
Knox County Health Department	Charity	Menefee								<i>AA</i>
Knox County Health Department	Cindy	Sovastion			PRESENT			PRESENT		<i>AA</i>
East TN Region Office	Wanda	Roberts			Phone	Phone	PRESENT	Phone	Phone	<i>WR</i>
East TN Region Office	Katrina	Tyler			PRESENT					<i>WR</i>
East TN Region Office	Jack	Cochran								<i>WR</i>
East TN Region Office	Laura	Wright					PRESENT	PRESENT		<i>WR</i>
TN Department of Health	Kelley	Tobey						PRESENT	PRESENT	<i>WR</i>





12/10/19 Budget Update

<b>Base Funding Remaining</b>	<b>234,909.74</b>
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25,000.00	Upcoming	Chempack Phones	3,500.00	
		Membership Works	200.00	
		Generator-LaFollette	2,500.00	
		Regional & Evacuation Exercise	10,000.00	
		Legal Fees	5,000.00	
		HPP National Conference Reimbursement	3,000.00	
	Projects	Hoods		
		Portable Vents		
		Training Manikins		
		CMS17 ICS Supplies		
		Regional Surge Response Items		
		Training	HAM	
			Conference/Training Attendance	5,000.00
NIMS/HICS	2,500.00			
NHICS	5,000.00			
	Pediatrics			



# Sentinel XL<sup>®</sup>

CBRN PAPR SYSTEM



## A Better Solution for Those Who Need to Be Better Prepared

### UNSURPASSED PROTECTION

ILC Dover designs and manufactures the suits that protect astronauts in space, so we know how to keep workers safe in harsh environments. Emergency preparedness decon teams face similar threats every day, which is why our engineers developed the **Sentinel XL<sup>®</sup> CBRN system**, the only loose-fitting powered air-purifying respirator (PAPR) designed to deliver a **CAP 2 protection rating**, with ILC Dover cartridges providing two times the service life for gases/vapors as Cap 1 cartridges. That means your decon team members have superior protection against military warfare agents, biologic threats, industrial chemical threats, and nuclear particulate threats.

### UNRIVALED FLEXIBILITY

The Sentinel XL CBRN PAPR system, which features an adjustable headband, is comfortable to wear and requires no fit-testing. And the "lay flat" design protects the system and allows it to stow easily in a backpack.

The flexibility of the Sentinel XL CBRN PAPR is evident in these additional features:

#### SINGLE SYSTEM

Unlike competitive products, the Sentinel XL blower platform can be used to support both decon and infectious disease applications, reducing costs and simplifying protection equipment inventory.

#### VERSATILE POWER OPTIONS

The Sentinel XL CBRN PAPR operates with non-rechargeable, rechargeable, and alkaline battery packs to increase readiness. The alkaline battery packs last for 10 hours, giving emergency workers in remote locations a reliable source of power.

#### IMPROVED ERGONOMICS

Our patented Quick-Loc<sup>™</sup> attachment system allows for quick and simple donning, while an optional backpack can double as a carrier and blower suspension system, improving ergonomics and reducing fatigue.



The Sentinel XL CBRN PAPR delivers mission-critical protection and accommodates three battery pack configurations, including alkaline batteries.



# Better Protection. Better Fit. Better System.

The Sentinel XL CBRN system is the most advanced, highest-performing PAPR on the market. Emergency preparedness decon teams all over the world trust our products for mission-critical protection in the harshest environments.

## TECHNICAL SPECIFICATIONS

### CBRN PAPR SYSTEM

#### SENTINEL BLOWER

Material	Rugged, sealed nylon protective shell, with floating polycarbonate internal blower assembly — dual chamber provides enhanced durability
Weight	1.0 lb (without battery)
Nominal Flow Rate	195 lpm
Noise Level	<75 dB
Low Voltage Alarm	Flashing LED and buzzer
Cartridge interface	40 mm (military/NATO style) integration with integral blower gaskets

#### CBRN HOOD

Configuration/design	"Lay flat" design with replaceable head strap
Material	Butyl coated fabric
Visor	Impact resistant, optical grade polycarbonate
Seams	Sewn and taped
Head Strap	Cushioned/antimicrobial with five adjustment positions — supports a wide range of wearers
Exhaust System	Single silicone valve — M40 style with plastic valve cover
Sizing	Single size — No fit testing required
Hose	Flexible, reinforced with butyl sheath — integral part of butyl hood.
Securing Feature	Adjustable draw cord

#### CHEMICAL CARTRIDGE

NIOSH Protections	CBRN Cap 2
Package	Hermetically sealed, foil pouch, sealed
System Usage	3 each

#### RECHARGEABLE BATTERY PACK\*

Composition	Standard NiMH
Configuration	Sealed external cover with blower connector
Battery mount	Direct snap-on to blower
Weight	1.65 lbs
Nominal Life	8 hours
Charge/Discharge Cycles	500
Recharge Time	5 hours

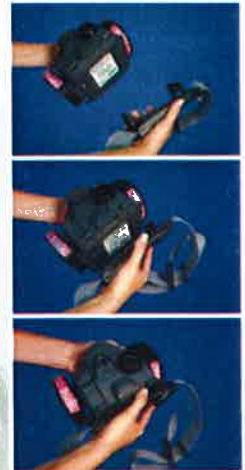
#### ALKALINE BATTERY PACK\*

Configuration	Internal receptacles hold D cell batteries with external sealed cover
Battery mount	Direct snap-on to blower
Weight	1.95 lbs
Nominal Life	10 hours (per five Duracell® batteries)

#### CHARGER

Type	AC/DC for sealed NiMH Battery
Current	2 amps

\*Optional LiMnO2 Battery Pack Available



### READY TO ORDER OR SCHEDULE A DEMO?

Call your ILC Dover representative today — and be sure to request ILC Dover's Sentinel XL CBRN PAPR for your emergency preparedness decon needs.



One Monnwalker Road  
Frederica, DE 19946 USA  
+1.302.335.3911  
+1.800.631.9567

customer\_service@ilcdover.com  
www.ilcdover.com

