



RESPIRATORY PROTECTION DEVICES (RPD) & VENTILATORS

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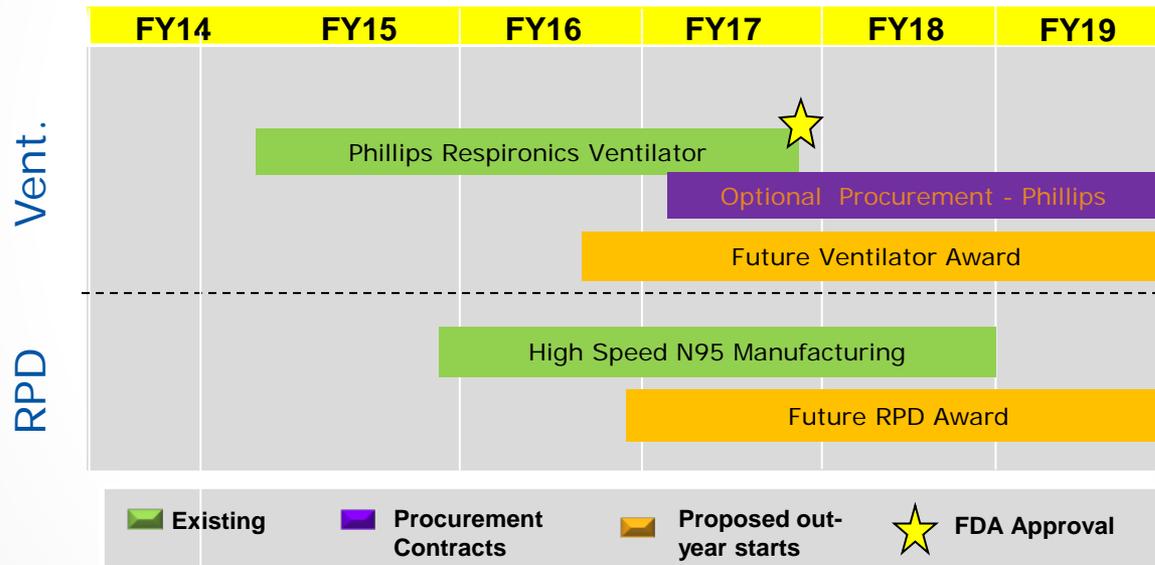
Goals of the RPD & Ventilator Programs

- Ensure critical medical devices needed for response to Influenza Pandemics or CBRN threats are:
 - Available – domestic stockpile or surge capacity
 - Appropriate – the right product
 - Affordable - stockpiling or domestic surge production



Medical Devices Program Line-up

- Stockpile All Hazards Ventilator – Phillips Respironics
- High Speed N95 Manufacturing Line – In Negotiations



AoI #1: Personal Protective Equipment (Mask & Respirators) for Influenza Infection and All-Hazard

- Technical Point of Contact: Rodney Wallace;
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- Priorities:
 - Support improved respiratory protective devices with improved features over currently available products
 - Essential attributes (functionality, usability, comfort, decontamination and re-use, **cost efficiency**, **manufacturing efficiency**, and durability)
 - Applicable for all ages (pediatric through adult)
- Data Expectations:
 - Proposed benefit and supporting data
 - Commercialization, regulatory, & manufacturing plans (if applicable)



AoI #2: Full-Featured Continuous Ventilators for Influenza Infection and All-Hazards

- Technical Point of Contact: Rodney Wallace;
Rodney.Wallace@hhs.gov
- Priorities:
 - Support advanced development of new or improved ventilator to provide respiratory support in clinical care, transport, and emergency use settings
 - Key considerations include portable support **neonate ($\geq 2.5\text{kg}$)** to adult populations, ease of operation, use of universal components, ease of stockpiling/maintenance, provide accessories, **low cost ($< \$3,000$)**, domestic surge production
- Data Expectations
 - TRL 6
 - Prototype / preliminary performance data, commercialization plan, regulatory & manufacturing plans

