



CDC-RFA-OE20-20010101SUPP20: Enhancing Public Health Laboratory Capabilities and Increasing Capacity

Supplemental Project Plan

Appendix G: Public Health Preparedness and Response





Appendix G: Preparedness and Response

Focus Area Name: Public Health Preparedness and Response

Focus Area Contact Information

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1. General Information

Project Name: Strengthening Public Health Preparedness and Response Capability and Capacity

Project Activity Contact Information

Joanne Andreadis

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404-639-5284

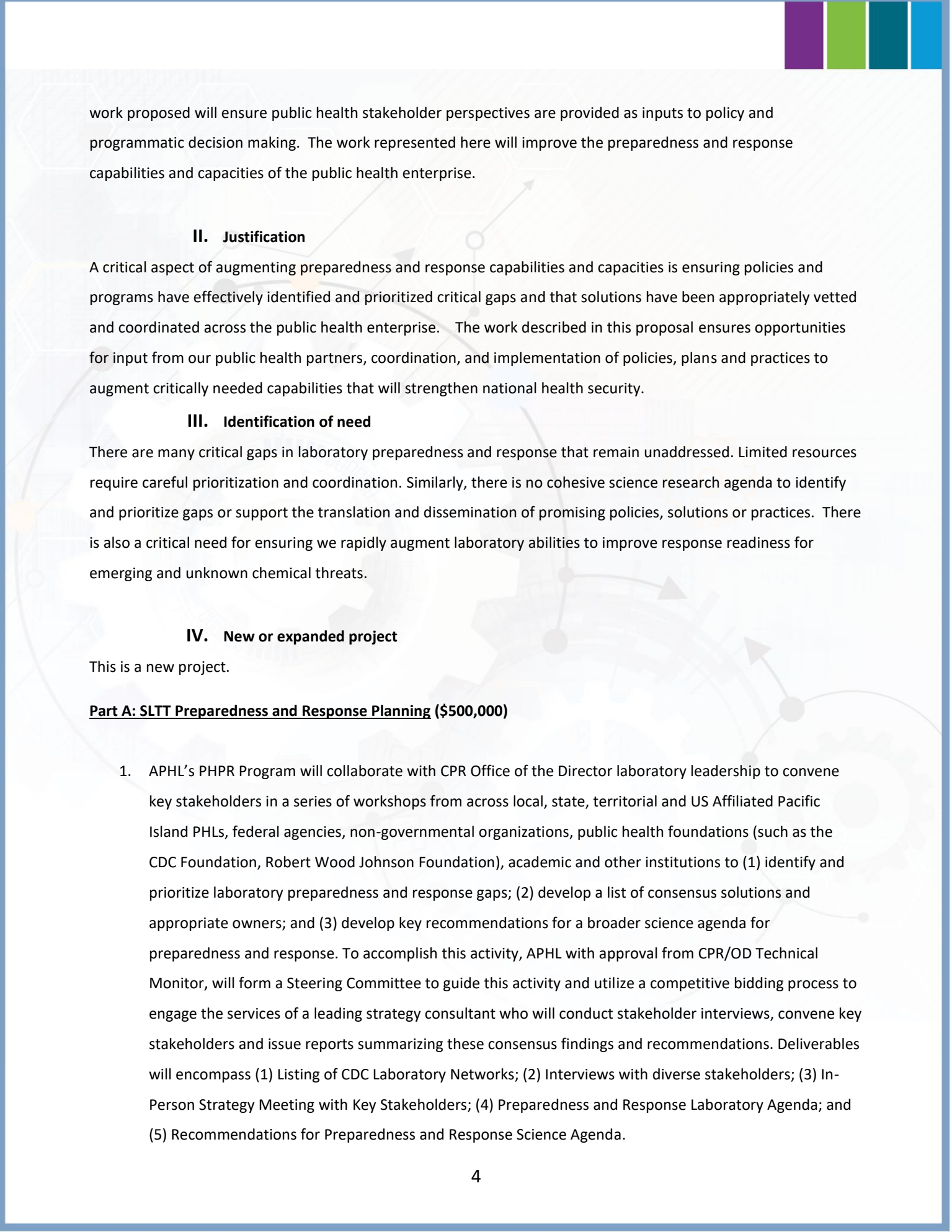
Approximate Amount of Supplemental Funding Available

\$900,000

2. Project Description

I. Purpose

The aim of this work is to improve the effectiveness, capabilities and sustainability of PHLs and relevant stakeholders to prepare for, respond to and recover from all-hazards threats. The PHPR Program works across APHL and with multiple external partners to continuously improve quality laboratory practices and strengthen the public health system to respond to all threats. Critical to the effectiveness of this work is integration with other core public health programmatic activities represented by the PHEP capabilities. The aim of this work is to conduct a series of workshops with external partners to inform laboratory preparedness priorities as well as a broader scientific agenda to support the CPR Fiscal Allocation Process and extramural research programs, respectively. The



work proposed will ensure public health stakeholder perspectives are provided as inputs to policy and programmatic decision making. The work represented here will improve the preparedness and response capabilities and capacities of the public health enterprise.

II. Justification

A critical aspect of augmenting preparedness and response capabilities and capacities is ensuring policies and programs have effectively identified and prioritized critical gaps and that solutions have been appropriately vetted and coordinated across the public health enterprise. The work described in this proposal ensures opportunities for input from our public health partners, coordination, and implementation of policies, plans and practices to augment critically needed capabilities that will strengthen national health security.

III. Identification of need

There are many critical gaps in laboratory preparedness and response that remain unaddressed. Limited resources require careful prioritization and coordination. Similarly, there is no cohesive science research agenda to identify and prioritize gaps or support the translation and dissemination of promising policies, solutions or practices. There is also a critical need for ensuring we rapidly augment laboratory abilities to improve response readiness for emerging and unknown chemical threats.

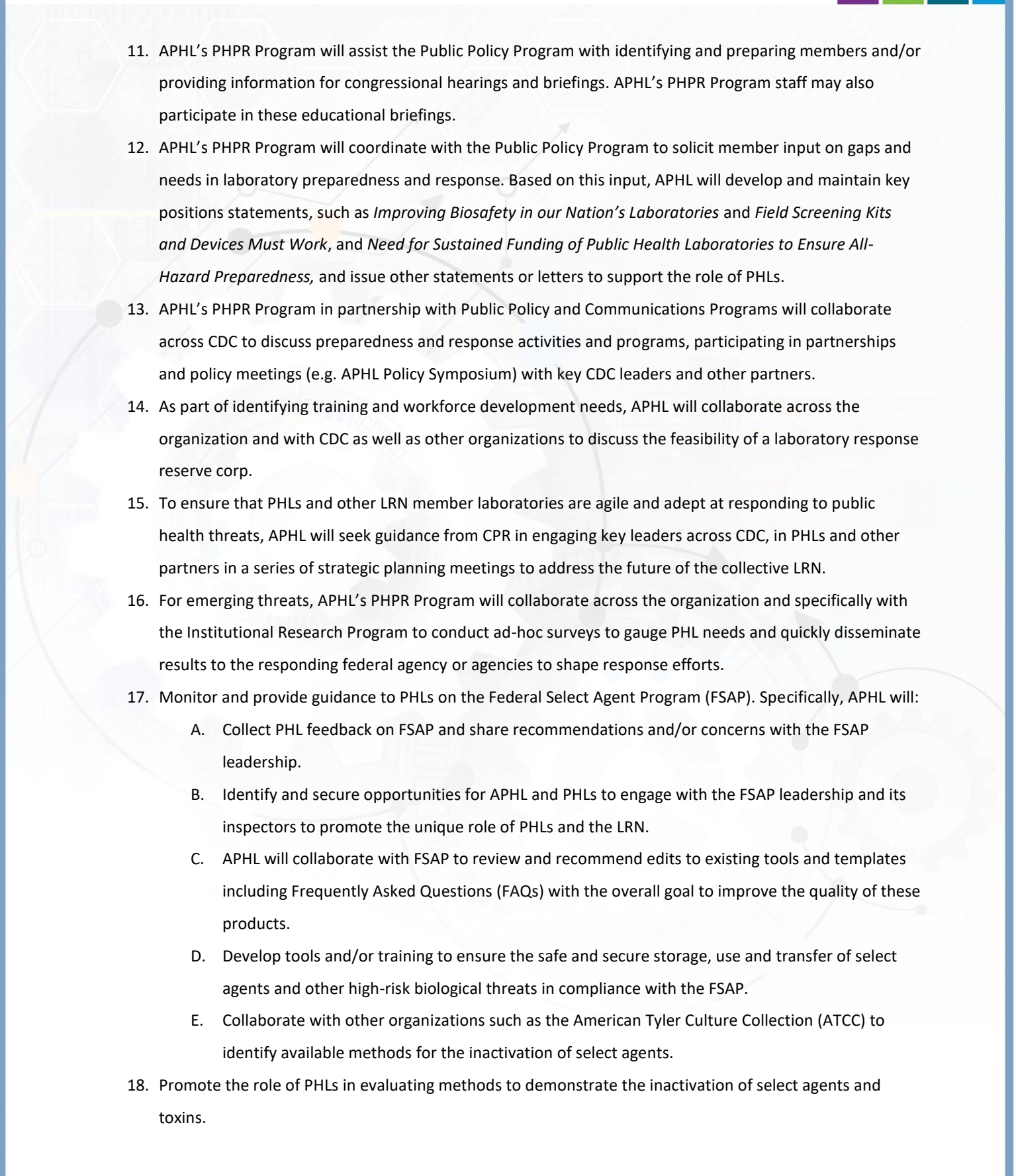
IV. New or expanded project

This is a new project.

Part A: SLTT Preparedness and Response Planning (\$500,000)

1. APHL's PHPR Program will collaborate with CPR Office of the Director laboratory leadership to convene key stakeholders in a series of workshops from across local, state, territorial and US Affiliated Pacific Island PHLs, federal agencies, non-governmental organizations, public health foundations (such as the CDC Foundation, Robert Wood Johnson Foundation), academic and other institutions to (1) identify and prioritize laboratory preparedness and response gaps; (2) develop a list of consensus solutions and appropriate owners; and (3) develop key recommendations for a broader science agenda for preparedness and response. To accomplish this activity, APHL with approval from CPR/OD Technical Monitor, will form a Steering Committee to guide this activity and utilize a competitive bidding process to engage the services of a leading strategy consultant who will conduct stakeholder interviews, convene key stakeholders and issue reports summarizing these consensus findings and recommendations. Deliverables will encompass (1) Listing of CDC Laboratory Networks; (2) Interviews with diverse stakeholders; (3) In-Person Strategy Meeting with Key Stakeholders; (4) Preparedness and Response Laboratory Agenda; and (5) Recommendations for Preparedness and Response Science Agenda.

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2. As requested, APHL's PHPR Program will coordinate with the Public Policy Program to provide input to Congress, the Congressional Research Service, US Government Accountability Office (GAO), Office of the Inspector General (OIGs for various agencies) and other federal partners and stakeholders about the role of PHLs in preparedness and response.
 3. In collaboration with APHL's Public Policy Program, the PHPR Program will review pending legislations and regulations that affect preparedness and response in state, local, territorial and US Affiliated Pacific Islands (US API) PHLs and where appropriate, engage members and partners to solicit public health perspective, subsequently issuing statements that provide the PHL perspective on such pending regulatory and legislative issues.
 4. APHL's PHPR Program will collaborate with the Public Policy Program to monitor existing legislations such as the Pandemic All-Hazards Preparedness and Advancing Innovation Act (PAHPAI) and provide input on any proposed changes that may affect PHL preparedness and response.
 5. APHL's PHPR Program will assist the Public Policy Program with identifying and preparing members and/or providing information for congressional hearings and briefings. APHL's PHPR Program staff may also participate in these educational briefings.
 6. APHL's PHPR Program will coordinate with the Public Policy Program to solicit member input on gaps and needs in laboratory preparedness and response. Based on this input, APHL will develop and maintain key positions statements, such as *Improving Biosafety in our Nation's Laboratories* and *Field Screening Kits and Devices Must Work*, and *Need for Sustained Funding of Public Health Laboratories to Ensure All-Hazard Preparedness*, and issue other statements or letters to support the role of PHLs.
 7. APHL's PHPR Program in partnership with Public Policy and Communications Programs will collaborate across CDC to discuss preparedness and response activities and programs, participating in partnerships and policy meetings (e.g. APHL Policy Symposium) with key CDC leaders and other partners.
 8. As requested, APHL's PHPR Program will coordinate with the Public Policy Program to provide input to Congress, the Congressional Research Service, US Government Accountability Office (GAO), Office of the Inspector General (OIGs for various agencies) and other federal partners and stakeholders about the role of PHLs in preparedness and response.
 9. In collaboration with APHL's Public Policy Program, the PHPR Program will review pending legislations and regulations that affect preparedness and response in state, local, territorial and US Affiliated Pacific Islands (US API) PHLs and where appropriate, engage members and partners to solicit public health perspective, subsequently issuing statements that provide the PHL perspective on such pending regulatory and legislative issues.
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11. APHL's PHPR Program will assist the Public Policy Program with identifying and preparing members and/or providing information for congressional hearings and briefings. APHL's PHPR Program staff may also participate in these educational briefings.
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 13. APHL's PHPR Program in partnership with Public Policy and Communications Programs will collaborate across CDC to discuss preparedness and response activities and programs, participating in partnerships and policy meetings (e.g. APHL Policy Symposium) with key CDC leaders and other partners.
 14. As part of identifying training and workforce development needs, APHL will collaborate across the organization and with CDC as well as other organizations to discuss the feasibility of a laboratory response reserve corp.
 15. To ensure that PHLs and other LRN member laboratories are agile and adept at responding to public health threats, APHL will seek guidance from CPR in engaging key leaders across CDC, in PHLs and other partners in a series of strategic planning meetings to address the future of the collective LRN.
 16. For emerging threats, APHL's PHPR Program will collaborate across the organization and specifically with the Institutional Research Program to conduct ad-hoc surveys to gauge PHL needs and quickly disseminate results to the responding federal agency or agencies to shape response efforts.
 17. Monitor and provide guidance to PHLs on the Federal Select Agent Program (FSAP). Specifically, APHL will:
 - A. Collect PHL feedback on FSAP and share recommendations and/or concerns with the FSAP leadership.
 - B. Identify and secure opportunities for APHL and PHLs to engage with the FSAP leadership and its inspectors to promote the unique role of PHLs and the LRN.
 - C. APHL will collaborate with FSAP to review and recommend edits to existing tools and templates including Frequently Asked Questions (FAQs) with the overall goal to improve the quality of these products.
 - D. Develop tools and/or training to ensure the safe and secure storage, use and transfer of select agents and other high-risk biological threats in compliance with the FSAP.
 - E. Collaborate with other organizations such as the American Tyler Culture Collection (ATCC) to identify available methods for the inactivation of select agents.
 18. Promote the role of PHLs in evaluating methods to demonstrate the inactivation of select agents and toxins.



Part B: Special Project: Strengthening High-Resolution Mass Spectrometry Capabilities for the Laboratory Response Network for Chemical Threats (\$400,000)

Project will increase high resolution mass spectrometry capabilities for LRN-C laboratories to improve response readiness for emerging and unknown chemical threats. Activities include:

1. Multi-modal (hands-on/virtual) vendor-based training and CDC-based training
2. Provision of critical resources such as mass spectral software libraries, auxiliary equipment (spare instrument sources, instrument pumps), preventive maintenance/service agreements, analytical/certified reference materials
3. APHL staff time, fringe & indirect

3. Outcomes

Activities in this project should achieve or contribute to the following proximal outcomes:

PO-1

PO-2

PO-3

PO-6

Activities in this project should achieve or contribute to the following intermediate outcomes:

IO-1

IO-2

IO-3

IO-4

Activities in this project should contribute to the following long-term outcome:

4. Strategies and Activities

List specific strategies, activities, and process measures



Strategy/Activity	Process Measure
Identification and prioritization of laboratory preparedness and response gaps	Preparedness and Response Laboratory Agenda
Preparedness and response research strategy development	Recommendations for Preparedness and Response Science Agenda.
Workforce development	Number of LRN-C laboratories trained to use high-resolution mass spectrometry capabilities for detection of emerging chemical threats
Strengthening laboratory policies and program outcomes	Position papers, summaries and meetings to enable

5. Budget

CELS/DLS project officers will provide budget spreadsheet for APHL to complete for requested funds by object class category

By submitting this project plan, I certify that my CIO currently does not maintain a comparable NOFO for similar activities and the proposed use of funds is consistent with the appropriation.

X Joanne D. Andreadis
Technical Monitor Signature

