

GOAL 1: REDUCE CHILDREN'S EXPOSURE TO LEAD SOURCES					
Objective	Action	Status	4Q FY19 Accomplishments	Next Steps	More Information
1.1 Reduce Children's Exposure in Homes and Child-Occupied Facilities with Lead-Based Paint Hazards	1. Consider revisions, as appropriate, to the dust-lead hazard standards to address childhood exposures to lead-contaminated dust generated from lead-based paint.	Completed	Collaborated with EPA by providing technical and program information and recommended edits to the draft rule. (OLHCHH)	Provide EPA with technical and program information for use in drafting the lead clearance levels proposed rule. (Ongoing.) (OLHCHH)	OLHCHH provided significant survey data to show that lower levels of dust could be identified and achieved to clear successfully under the OLHCHH grant programs.
		Completed	EPA Administrator hosted announcement of Dust Lead Hazard Standards Amendment with HUD Secretary, June 21, 2019. (OLHCHH) (EPA NFRM published July 9.)		
1.1 Reduce Children's Exposure in Homes and Child-Occupied Facilities with Lead-Based Paint Hazards	2. Increase HUD review of federally assisted projects to assure individuals and firms conducting lead-based paint inspections and risk assessments, abatement and interim controls,	Completed	Held kick off meetings to discuss annual HUD lead reporting to Congress. (MFH, PIH, CPD, OLHCHH)	Plan to collaborate across the Department to establish current status of protocols for inclusion of requirements to utilize certified lead professionals in specification of work being utilized in HUD assets including assisted	Annual report to Congress has been "relaunched" with GAO recommended actions and provides a platform to discuss and implement holistic lead metrics and protocols into each housing program at HUD. (MFH, PIH, CPD, OLHCHH)

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	are properly trained and certified to conduct such actions in federally assisted properties. (HUD)			housing programs. (Ongoing.) (MFH, PIH, CPD, OLHCHH) Plan to provide updates in the annual report to Congress on the number of certified persons utilized including gaps in capacity at the local/regional level. (Ongoing.) (MFH, PIH, CPD, OLHCHH)	Plan to discuss current status of IT programs with OICO and program level POC that are in review or modification of IT database/system where it would be paramount to include appropriate data fields to efficiently track compliance with certified professionals being used where required in HUD assets. (OCIO, OLHCHH, MFH, PIH, CPD)
1.1 Reduce Children's Exposure in Homes and Child-Occupied Facilities with Lead-Based Paint Hazards	3. Increase the number (or percentage) of certified renovation firms and lead abatement firms capable of providing lead-safe renovation and hazard control, repair and painting services through	Ongoing		Provide support to HUD Grantees in OLHCHH, CPD, PIH, HOME including FPM local work with states, tribes, federal agencies and the public for implementation of assessing and addressing capacity of abatement	Consider efforts to identify stakeholders at the local level in public private partnerships that can build a national approach to synthesizing solutions to the capacity gap currently known to be effecting work nationally as well as the shortfall of professionals

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	targeted outreach campaigns to contractors; continue to provide a nationwide list of certified renovation firms on EPA's website.			<p>professionals and renovation, repair and painting tradespeople, and the firms they work for, that are key to implementing the funding HUD is given to address lead hazards in publicly and privately owned occupied housing across the nation. (Ongoing.) (MFH, PIH, CPD, OLHCHH)</p> <p>Plan to organize a schedule of trainings with FPM and DRA offices working with programs with Section 3 requirements to make aware of job need and opportunities associated with current and projected future</p>	expected to be seen in the immediate future. (Ongoing.) (MFH, PIH, CPD, OLHCHH)

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				funding for lead hazard control work across the nation that will require certified abatement professionals and certified renovation, repair, and painting tradespeople, to be created and retained for work nationally over the next 5-7 years. These jobs could be used as leverage in other programs where job creation and retention are significant to success and an opportunity to synergize funding around Lead Hazard Prevention (FPM, DRA, CPD, PIH, MFH, Section 3, Choice Neighborhoods, and Opportunity Zones, Section 108 Loan programs)	

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1.1 Reduce Children's Exposure in Homes and Child-Occupied Facilities with Lead-Based Paint Hazards	4. Expand direct collaboration with state, tribal and local governments on their development of lead paint hazard reduction strategies under their Consolidated Plans for community planning and development, program assistance and their lead hazard control grants. (HUD)	Ongoing	Utilized FPM and OLHCHH Field staff to continue to host lead training and outreach to these state, local and tribal points of contacts. (FPM, OLHCHH)	Evaluate efforts and revise outreach tools as needed to ensure robust and complete planning for reducing lead exposure for high need communities with or without interest in NOFA application. (Ongoing) (MFH, PIH, CPD, OLHCHH)	Propose that CPD and FPM work with OLHCHH staff to evaluate current con plans and possible local outreach.
1.1 Reduce Children's Exposure in Homes and Child-Occupied Facilities with Lead-Based Paint Hazards	5. Reduce post-disaster lead exposure from response-and recovery-phase renovations and repair for structures that are destroyed or significantly	Not started		Re-establish a working group with FEMA to coordinate current materials/resources as well as assessment of need and offer collaboration to address needs identified during	

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	damaged. (HUD)			<p>disaster recovery and preparation. (MFH, PIH, CPD, OLHCHH)</p> <p>Initiate protocols review with FEMA to identify where OLHCHH could be supportive in training/education and outreach in protecting families, volunteers, and professional contractors working quickly to protect and preserve single family homes. (Ongoing) (MFH, PIH, CPD, OLHCHH)</p>	
1.2 Reduce Exposure to Lead form Drinking Water	1. [EPA to] revise the Lead and Cooper Rule based on input EPA recently received from state, tribal and local partners, as well as the	Completed	Commented on draft EPA proposed rule. (OLHCHH, OGC)	Review EPA proposed rule. (OLHCHH, OGC)	
		In progress	Lead in Water Task group with HUD and EPA members has met twice to discuss input received and	Draft to be circulated within HUD offices. (Ongoing) (MFH, PIH, CPD, OLHCHH)	

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	best available peer reviewed science, to ensure the rule reflects the best ways to improve public health protection and reduce levels of lead in drinking water.		draft rule amendment wording. HUD offices attending are also reviewing potential protocols for response to water issues in HUD assets as well as testing protocols that may be triggered as part of that response. (PIH, CPD, MF, OLHCHH)		
1.2 Reduce Exposure to Lead form Drinking Water	2. Finalize regulatory changes to the definition of lead-free plumbing products and make other conforming changes to implement the Reduction of Lead in Drinking Water Act and the Community Fire Safety Act	In progress	HUD reviewed relevant definitions associated with the source and use of water in HUD assisted facilities to utilize in protocols for response and testing in HUD assisted units. (OLHCHH)	Draft to be circulated within HUD offices and with EPA Office of Ground Water and Drinking Water with regulatory references as to what definitions are associated with source of water types. (Ongoing) (MFH, PIH, CPD, OLHCHH)	

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	enacted by Congress. The final regulation is expected to result in few sources of lead in drinking water by implementing new standards for lead content in plumbing materials used in new installations and repairs.				
1.3 Reduce Exposure to Lead in Soil	1. Manage lead contamination at Superfund, RCRA Corrective Action and other sites to reduce exposure to community residents.	In progress	Plan to include mapping of HUD assisted properties in relation to EPA Lead Superfund sites as well as other risk data into OCIO/Center of Excellence work on Lead Index. (MF, PIH, CPD, Housing, OCIO, OLHCHH)	Plan to offer to collaborate with EPA to participate in additional Superfund site lead consultations. (OLHCHH, CPD)	Propose to work collaboratively with EPA at one or more consultations on Superfund sites for lead to develop a better understanding of risk related to tenants and environment of HUD assets as well as EPA monitoring efforts to effectively manage risk associated to sites.

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					Plan to work collaboratively across HUD offices to identify monitoring protocols and policy to prevent and respond to related risk to multiple sources of lead exposure including those related to the Superfund site activities and management through participation in the consultations proposed by EPA dashboard. (Ongoing) (MF, PIH, CPD, Housing, OLHCHH)
1.3 Reduce Exposure to Lead in Soil	2. Continue to reduce childhood exposures to lead in soils through removal, remedial and corrective actions at contaminated sites and reduce lead soil exposures to the	In progress	(FPM, DRA, MFH, PIH, CPD, OLHCHH)	Complete work with Centers for Excellence (COE) to develop and share a Lead Index for all HUD program offices to identify and visualize what HUD programs have assets in Lead Superfunds Sites or other high-risk	Plan for a collaborative communication strategy for prevention and response that include metrics to monitor all programs identified to have HUD assets in known Lead Superfund sites or other identified high-risk areas for lead in soil exposures that the

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	most sensitive community residents.			areas for lead in soil exposure.	lead index may identify. (Not started) (FPM, DRA, MFH, PIH, CPD, OLHCHH)
1.3 Reduce Exposure to Lead in Soil	3. Continue to support the evaluation of lead exposure at contaminated sites and identify ways to protect the public's health.	Not started		Plan to Identify POC for each HUD program that will be responsible for contributing to development of a communication plan that will share risk and best practices for public health protection related to lead exposure at the local level to all stakeholders of HUD assets (MFH, PIH, CPD, OLHCHH)	Plan to collaborate across HUD POC's to develop a protocol and content for lead poisoning risk communication plan to be given to affected HUD programs stakeholders and participants where the Lead Index identifies HUD assets in or near Lead Super fund sites as well as general lead poisoning prevention guidance. (MF, PIH, CPD, Housing, OLHCHH)
1.4 Reduce Exposure to Lead Associated with Emissions to Ambient Air	1. Continue to work with state and tribal air agencies to implement the National Ambient Air Quality Standard (NAAQS) for lead and aim to	Not started		Plan to incorporate all 11 areas currently designated as nonattainment and the 11 areas that are remaining on protocols for maintenance for the 2008 Pb	Consider including outreach materials to HUD assets and programs include protective response and preventive efforts to take regarding ambient air lead risk if education materials

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	reduce the number of areas violating the lead NAAQS.			NAAQS into the data collected and visualized into the Lead Index project with COE. (OLHCHH) www.epa.gov/	are available from EPA. Obtain updated nonattainment list from EPA to keep Lead Index accurate for these identified areas of risk. (CPD, OLHCHH)
1.4 Reduce Exposure to Lead Associated with Emissions to Ambient Air	2. Evaluate the impacts of lead emissions from aircraft using leaded aviation fuel under the Clean Air Act.	Not started		Plan to incorporate any relevant data points into Lead Index project from two EPA reports: Airborne Lead Concentrations at Airports Nationwide, and Populations Residing Near or Attending School Near U.S. Airports. (OLHCHH, COE)	
1.9 Diminish Lead Exposure Through Enforcement and Compliance Assistance	1. DOJ will coordinate and collaborate with federal agencies, U.S. Attorney's	Completed and Ongoing	HUD and the Office of the U.S. Attorney for the Southern District of New York collaborated on the	Continue HUD NYCHA Task Force work to meet goals in this element utilizing best practices	HUD will plan collaboration and provide support and offer SME to any training curriculum developed by DOJ as

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	offices and states and tribes to share information and develop enforcement cases. DOJ will seek opportunities to provide training to attorneys bringing enforcement cases exposure to children.		implementation of the New York City Housing Authority (NYCHA) settlement agreement. Established HUD NYCHA Task Force. (PIH, OGC, FPM, OLHCHH)	learned from NYCHA interactions and outcomes. (Ongoing) (PIH, OGC, DEC, OLHCHH)	part of this element. OLHCHH will offer to coordinate with data sharing on known violations of lead regulation through work with locals and OLHCHH. Update guidance on the relationship of HUD's lead safety rules to applicable civil rights statutes and regulations. Establish FHEO-OLHCHH team to draft updated guidance.
1.9 Diminish Lead Exposure Through Enforcement and Compliance Assistance	2. HUD is a regulatory agency that conducts administrative enforcement and provides compliance assistance for homes and child-occupied facilities with	Ongoing	Re-established FHEO-OLHCHH team to draft updated fair housing-lead safety guidance	Update guidance on the relationship of HUD's lead safety rules to applicable civil rights statutes and regulations. (FHEO, OLHCHH, OGC)	Several HUD and EPA lead safety rules have gone into effect since the original guidance was published.

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	lead-based paint, lead-contaminated drinking water, and lead-contaminated soil.				

GOAL 2: IDENTIFY LEAD-EXPOSED CHILDREN AND IMPROVE THEIR HEALTH OUTCOMES					
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2.1 Improve surveillance of Blood Lead Levels (BLL's) to identify Children Exposed to Lead	1. Better understand childhood lead exposures through collaboration with tribal partners and identifying exposure scenarios; identify appropriate data, improve federal programs, services and blood lead testing opportunities for Native American children. (HHS/Indian Health Service/CDC; EPA; HUD; USDA)	Completed	Completed multiple presentation on Lead and Healthy Homes to Tribal Networks across the country in 2011-2018. (OLHCHH) Awarded 12 FY 2019 Healthy Homes Production for Tribal Housing grants dedicated to Tribal Community Health Centers that will provide resources for lead and healthy home assessment and intervention. (OLHCHH)	Implement FY 2019 Healthy Homes Production for Tribal Housing grants. (OLHCHH)	Consider requiring tribal grantee work plans to prioritize and educate health providers in tribal health centers about blood lead testing and Elevated Blood Lead interventions. These families are to be targeted for education and referred for services available under the tribal grant programs. (Not Started) (OLHCHH)
2.2 Facilitate Follow-up Blood Lead Testing and Monitoring of Children Identified as Lead Exposed	1. Explore creative ways to work with state, tribal and local communities to match children identified as lead exposed with	Completed	Completed multiple trainings to Public Housing Agencies on how to connect with health departments and comply with the	Continue additional training sessions and provide templates of data sharing agreements to PHAs. Continue to connect housing	

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	local environmental assessment services and enhanced health services. (HUD; HHS/CDC/CMS)		Lead Safe Housing Rule. (FPM, RA, OLHCHH)	and health departments through local outreach by OLHCHH out-stationed field staff. (Ongoing) (OLHCHH, PIH, FPM)	
2.3 Facilitate Screening for Developmental Delays in Children Identified as Lead-Exposed	1. Work Across government and non-government agencies in communities where surveillance has identified children with higher BLLs. Encourage primary care and other providers to promote developmental monitoring by providing CDC's "Learn the Signs, Act Early." (LTSAE) materials to parents and other caregivers when a child under five	Not started		Plan to coordinate an educational session between CDC and OLHCHH grantees on how to access and use the materials listed to deliver best practice interventions for children identified as EBLL. (OLHCHH, CDC)	Plan to evaluate the use of the materials in the grant programs. (OLHCHH)

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	years of age has documented lead exposure. (HHS, CDC/NIH)				
2.4 Facilitate Referrals and Receipt of Appropriate Services for Children Identified as At-Risk for Developmental Delays Due to Lead Exposure	1. Provide PEHSUs [Pediatric Environmental Health Specialty Units] and public health agencies in at least 25 states with information and resources about effective treatments for mental, emotional, behavioral and developmental disorders and developmental monitoring related to lead exposures. (EPA; HHS / CDC / ATSDR)	Not started		Use OLHCHH grantees in this effort to be local subject matter experts and trained capacity to state coordinated care leadership, PEHSUs, and local health care providers to facilitate referrals to appropriate services for developmental delay support with environmental assessment and intervention resources. (OLHCHH) Meet with PEHSUs and CDC to discuss opportunities to collaborate locally with grantees.	Consider facilitation of incorporation of grantee members into PEHSU's local meetings to network and act as SME. The grantees will need additional direction/training on expectations and how to reach and interact with these groups directly.

GOAL 3: COMMUNICATE MORE EFFECTIVELY WITH STAKEHOLDERS					
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3.1 Consolidate and Streamline Federal Lead-Related Communication and Messaging	1. Create an online portal to enhance, consolidate and streamline federal-wide communication to the public. Links will direct the public to agency-specific information. (Not everyone affected by lead exposures has access to the internet and therefore, agencies will continue to provide access to printed materials).	Completed and Ongoing	Refreshed HUD links to lead resources. Identified and include cross links to other federal agency info by topic of expertise: (CDC Health Impact, testing, EPA Certified Professionals, Lead in Water info, regulatory safe practice requirements). (OLHCHH)	Identify gaps in resources and opportunities to standardize messaging around assessment, risk, and intervention activities. (OLHCHH) Look for external opportunities to modernize web pages and synchronize messaging across agencies. (OLHCHH)	www.hud.gov/lead
	2. Provide periodic updates on the progress of implementing the Action Plan on the online portal.	In clearance	Drafted Implementation Status for HUD Actions Under the 2018 Federal Action Plan: To Reduce Childhood Lead Exposures and	Will update web page quarterly. (OLHCHH)	TBD

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			Associated Health Impacts web page. (OLHCHH)		
3.1 Consolidate and Streamline Federal Lead-Related Communication and Messaging	3. Enhance local partnerships with community organizations, local health agencies, faith-based organizations and private philanthropies to raise awareness of the dangers of exposure to lead, and to promote data sharing.	Completed and Ongoing	HUD contributed to activities generated through grantee programs and community build projects. Community Build projects in Houston, Minneapolis, Worcester, Baltimore, Program Manager school in Minneapolis, National League of Cities (NLC) events regionally being planned to target elected officials at the local level. (OLHCHH)	Continue to identify ways to provide effective interaction with local stakeholders to drive action in lead prevention programs and coalitions. Expand NLC opportunities. Contribute to Health in All Policies (CDC) grantee best practice convenings, expand reach to local stakeholders through work in IAA with USDA, CDC, FPA and DRA efforts to promote opportunities and need identified in target areas by OLHCHH. (OLHCHH, FPM, OPA)	

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3.2 Improve Awareness of Lead Hazards, Prevention and Remediation among Diverse Populations, Especially Those Most at Risk	1.Utilize the Children's Centers and PEHSUs to develop appropriate, evidence-based lead exposure prevention and intervention communication materials and disseminate them through the Centers' established community partnerships.	Not Started		Plan call to collaborate with regional PEHSU groups on how to best format and address gaps in information and training. Include efforts to channel information delivery methods and timelines to improve health outcomes related to lead exposure. (Not Started) (OLHCHH and Grantees) Plan to contribute to communication strategy to standardize messaging for the audience they serve (young families and health care providers) (OLHCHH)	PEHSUs are a twenty-year-old network of experts uniquely qualified to train health care providers on the prevention, diagnosis, management and treatment of lead exposure in children. There are 11 units around the country, several of which were originally lead clinics. EPA provides support to the PEHSU program that ATSDR designs, funds and manages.
3.2 Improve Awareness of Lead Hazards,	2.Enhance partnerships with	Completed	Trained and utilized FPM to conduct	Plan and conduct regional lead	Lead Index is in development that will

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Prevention and Remediation among Diverse Populations, Especially Those Most at Risk	state, tribal and local governments and key stakeholders (e.g., media, community groups, faith-based groups, advocacy groups, departments of health, departments of environmental quality, medical providers, philanthropies, federal grantees)		outreach about opportunities in 2019 Lead Hazard Control NOFA (FPM, RA, OLHCHH)	summits to engage state and local partners in high need areas around the nation. (OLHCHH, FPM)	assist OLHCH and other Offices in identifying high need areas around the nation
		Not started	HUD will create an outreach program that will utilize FPM and Regional HUD offices to deliver state and local lead index information and build collaborations of action with all groups listed. (FPM, RA, OLHCHH)		
3.2 Improve Awareness of Lead Hazards, Prevention and Remediation among Diverse Populations, Especially Those Most at Risk	3. Increase outreach events and engagement processes in collaboration with at-risk communities on lead safe coalitions to provide education on the dangers of lead exposures, strategies for reducing	Completed and ongoing	Multiple (25 or more) presentations delivered through FPM and OLHCHH staff to local community stakeholders to promote NOFA and OLHCHH strategic goals and general lead awareness. (FPM, DRA, OLHCHH)	OLHCHH will generate a strategic outreach plan draft that would prioritize the high need communities for build events, training, education, outreach, funding resources and collaborative	OLHCHH will continue to engage and encourage public private partnerships to prioritize resources to drive outreach and capacity programs towards communities identified in the Lead Index as priority areas to engage based on lead modeling, housing characteristics, HUD

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	exposures in children, and actions to support exposed children and their families.			program and con plan development. (FPM, DRA, OLHCHH)	assets and other known lead sources of exposure present.

GOAL 4: SUPPORT AND CONDUCT CRITICAL RESEARCH TO INFORM EFFORTS TO REDUCE LEAD EXPOSURES AND RELATED HEALTH RISKS					
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4.1 Prioritize and Address the Critical Research and Data Needs to Inform Lead Policies and Guide Decisions	1. Enhance and apply data and tools (e.g., models or approaches) and determine the key drivers of blood lead levels from multimedia exposures to inform lead regulatory decisions and site assessments.	In progress.	Continued to co-chair the development of a cross agency research workshop with NIEHS, CDC and EPA. Set workshop for December 2019. (OLHCHH)	Continue organizing details for workshop scheduled for next December that will identify research priorities under the Goal 4 objectives and also ID opportunities for interagency collaboration and funding needs. (Ongoing) (CDC, EPA, HUD/OLHCHH)	Report summary will be created of priorities and gaps identified for research will be drafted and incorporated into budget planning opportunities to fund research.
4.1 Prioritize and Address the Critical Research and Data Needs to Inform Lead Policies and Guide Decisions	2. Generate data, maps and mapping tools to identify high exposure communities or locations and disparities for prioritization efforts to reduce children's blood lead levels.	In progress	Worked on developing the lead index that includes data mapping of data points across federal agencies in relation to source of lead and capacity to assess and remediate lead. (OLHCHH, PD&R, COE)	Will continue to work across agencies to develop an outreach program from Goal 3 regionally to share the Lead Index External tool as well as resources existing at the local level to address lead exposure and/or opportunities available through federal programs. (Ongoing) (OLHCHH, PD&R, CDC, EPA)	Lead index at a minimum will describe each state's relative risk of lead exposure by source, asset management by heat map and opportunities of high need for resources.

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4.1 Prioritize and Address the Critical Research and Data Needs to Inform Lead Policies and Guide Decisions	3. Generate data to address critical gaps for reducing uncertainty in lead modeling and mapping for exposure/ risk analyses and for estimating population-wide health benefits of actions to reduce lead exposures.	In progress	Conducting initial analysis of incoming multimedia samples from the U.S. Department of Housing and Urban Development sponsored American Healthy Homes Survey II. (OLHCHH, PD&R)	Plan to analyze and share data summary from first draft of data from project. (OLHCHH, PD&R) (Ongoing)	For more information on the HUD sponsored American Healthy Homes Survey II, visit: www.hud.gov/lead
4.1 Prioritize and Address the Critical Research and Data Needs to Inform Lead Policies and Guide Decisions	4. Identify approaches to prevent, mitigate and communicate about lead exposures and risks in exposed communities.	Not started	Completed annual Program Managers School in Minneapolis in June that provided education to grantees and local stakeholders on best practice techniques and program implementation guidance.	Plan to create a HUD lead working group to develop an agency wide HUD strategy for unit/building risk management that can be used to evaluate the presence of lead exposure through paint, dust, soil and water where authorized or ordered by SOHUD. (Ongoing) (FPM, DRA, MFH, PIH, CPD, OLHCHH)	Plan to include OCIO in working group that can include lead evaluation metrics in IT system modifications or updates. (OLHCHH, OCIO, MF)

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4.1 Prioritize and Address the Critical Research and Data Needs to Inform Lead Policies and Guide Decisions	1. Evaluate the effectiveness of actions (e.g., interventions, programs, policies, enforcement) to prevent lead exposure, mitigate health effects and communicate on lead exposures and risks.	Not started		Based on Goal 4.1 action 4; plan to incorporate and implement a collaborative plan on how the evaluation of federal efforts will be measured. Include methods and metrics that can be applied across agencies to measure the impact of efforts completed through the FLAP. (CDC, EPA, HUD/OLHCHH)	Consider developing timelines for evaluation and completing testing on approved evaluation methods by 4Q FY2020.
4.2. Establish the Lead Exposure and Prevention Advisory Committee (LEPAC)	1. LEPAC initiation.	Not started		Once CDC establishes LEPAC, if HUD is invited to join, accept the invitation. (OLHCHH)	The Water Infrastructure Improvements for the Nation Act requires HHS to establish LEPAC as a federal advisory committee. It will review research and federal programs and services and identify effective services and best

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					practices for addressing and preventing lead exposure and its impacts in affected communities.