

DRAFT—FOR DISCUSSION PURPOSES ONLY

For Consideration by CHSWC, December 9, 2021

Revised RFP Elements for the Fire Mechanics Health Study, Pursuant to AB 1400 (2019)

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- Facilitate equal access
 - A. CHSWC will provide for a 90-day application period to allow academic centers and public agencies to respond to the RFP, with appropriate extensions as needed to allow institutional processes to be completed.
 - B. CHSWC will notify appropriate UC and CSU centers, not-for-profit entities, and California public agencies of the RFP in a timely manner.
- Ensure worker participation
 - A. Successful applicants must be able to demonstrate their willingness and ability to:
 - 1) Work collaboratively throughout all phases of the study with AFSCME, IAM and other labor organizations, as appropriate, that represent fire mechanics; and,
 - 2) Incorporate fire mechanics statewide into the study.
- Adhere to scientific standards
 - A. Successful applicants must be able to demonstrate their ability to apply well-recognized scientific standards in performing the following tasks:
 - 1) Conduct a literature review of hazards, exposures and health effects associated with work as a general vehicle or aircraft mechanic and in the specialty occupation of fire mechanic;
 - 2) Perform a qualitative health risk assessment and risk prioritization for fire mechanics by, for example, accessing SDS data; categorizing chemical hazards; estimating exposure potential through physical-chemical properties and other factors; observing work processes; comparing findings against the literature review; and ranking risk levels for specific tasks and products;
 - 3) Based on the qualitative exposure assessment, perform a quantitative exposure assessment for the most serious inhalation hazards and other hazards, including but not limited to carcinogenic hazards;
 - 4) Based on the qualitative and quantitative exposure assessments, estimate and prioritize health risks associated with work performed in the shops and during fire responses, including but not limited to risks associated with exposure to carcinogens;
 - 5) Apply the hierarchy of controls in developing practical, meaningful recommendations to eliminate or substantially reduce health risks among fire mechanics associated with work performed in the shops and during fire responses.
- Communicate findings
 - A. Successful applicants must be able to demonstrate their capacity to:
 - 1) Draft a report of findings and prepare presentation materials;
 - 2) Present findings to CHSWC, AFSCME, IAM and other labor organizations as appropriate; to LA county and other employers, as appropriate; and to other entities at the request of AFSCME, IAM, other labor organizations as appropriate, and CHSWC; and,
 - 3) Draft, submit and publish a paper of findings and recommendations in a peer reviewed journal, giving priority to open-access entities.

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