



Chris Geiger
Safer Pest Management program
San Francisco Department of the Environment

Dear Dr. Geiger,

Please accept this letter as evidence of strong support for your grant proposal *Evaluating the effectiveness of pest preventive design elements incorporated into 3,495 affordable housing units in San Francisco*. While many groups have implemented versions of community-wide integrated pest management programs in public and supportive housing environments, few to my knowledge have properly evaluated such programs. Fewer still, perhaps none, of these groups have measured changes in pest density when considering levels observed before IPM interventions or sought to identify the intervention factors that were most closely associated with the IPM success realized. I look forward to helping achieve the objectives of your project as a significant collaborator. I believe that the results of this work will help to inform other IPM programs in CA and beyond, reducing unnecessary pesticide applications and exposure events, and thereby protecting the environment and communities in which we live.

As a collaborator, I will provide consultation and assistance associated with the experimental design, data collection, data organization, data analysis, and technical reporting aspects of the project. I have previous experience working with large and complex datasets and evaluation of IPM programs and interventions. In fact, I have recently used a multivariate statistical analysis approach, with both qualitative and quantitative variables, to aid in the evaluation of IPM intervention programs within licensed child care centers (see publication *Alkon et al 2016* within my attached 2-page CV). I think we could use a similar approach to evaluate the success of San Francisco's ambitious program. Please feel free to contact me directly for clarification or expansion on any of the points I have made in this letter.

Sincerely,

Andrew M. Sutherland, Ph.D, BCE
SF Bay Area IPM Advisor
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December 5, 2018



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San Francisco, CA 94133
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December 12th, 2018

**Re: Letter of Commitment for San Francisco Department of the Environment's
Research Grant Application to California Department of Pesticide Regulation**

To Whom It May Concern:

On behalf of property management at Ping Yuen, Ping Yuen North, 227 Bay St, and 990 Pacific Ave, sites managed by Chinatown Community Development Center, I am pleased to offer our commitment to support San Francisco's Department of Environment (SF Environment) project to **evaluate the effectiveness of incorporating pest prevention and integrated pest management in San Francisco public housing renovations.**

Back in 2015, SF Environment supported the completion of thorough pest inspections at our sites, as

Ping Yuen:

655 Pacific Ave, San Francisco, CA 94133
711 Pacific Ave, San Francisco, CA 94133
795 Pacific Ave, San Francisco, CA 94133
895 Pacific Ave, San Francisco, CA 94133

990 Pacific Ave, San Francisco, CA 94133
227 Bay Street, San Francisco, CA 94133
838 Pacific Street, San Francisco, CA 94133

are 4 of 29 Rental Assistance Demonstration (RAD) public housing sites in San Francisco that have undergone significant rehabilitation and renovations. The results from this initial inspection were valuable, helping us address ongoing and potential pest infestation issues at our site during this critical time of redevelopment. Our developers then received integrated pest management training from SF Environment and were able to implement pest prevention tactics at our site.

RAD sites have not only provided marginalized San Franciscans with sustainable, quality affordable housing, but also play an integral role in this evaluation process. We welcome the opportunity to have our site re-inspected to provide us recommendations for the future. We will work with SF Environment to schedule inspections and would be grateful for any recommendations on best practices for pest prevention and pest management. We believe that the proposed project will allow the City & County of San Francisco to identify the most effective strategies for addressing longstanding pest infestations in sites such as ours that house vulnerable populations.

Sincerely,

A handwritten signature in blue ink that reads "Peggy Jen".

Peggy Jen
RAD Strategic Coordinator
415-984-1167 ext.1469 | peggy.jen@chinatowncdc.org



SAN FRANCISCO
Asthma Task Force

November 14, 2018

To whom it may concern:

We are writing in enthusiastic support of the San Francisco Department of the Environment's grant proposal to the California Department of Pesticide Regulation Pest Management Research Grant Program. They plan to evaluate the effectiveness of their previous pest prevention and IPM work at the former San Francisco Public Housing sites now under non-profit management as RAD housing sites.

These formerly severely pest-infested RAD housing sites have all recently been renovated to include pest-proof design. Asthma has been a ubiquitous problem for both child and adult residents of these sites, and we greatly hope that the renovations will prevent many of the asthma environmental risk factors that previously dominated these sites (mold, dust, cockroach and rodent pest infestations).

As a part of the project, the researchers will have a private IPM contractor, Pestec, conduct pest inspections at the sites to see what the infestation levels are and note which pest prevention recommendations were implemented (from a design/structural/pest-proofing perspective). Each of these sites had a baseline inspection by Pestec, so they will be able to evaluate change in status. Department of Environment staff will conduct property manager interviews to determine whether IPM is being practiced (and to what extent) from an operations perspective. We will be able to collectively with Pestec assess which measures were most effective.

Thanks for your consideration.

Sincerely,

Karen Cohn, SF Asthma Task Force Administrator

Advocates for Policies to Reduce Asthma's Impact

Mayor's Office of Housing and Community Development
City and County of San Francisco



London N. Breed
Mayor

Kate Hartley
Director

December 5, 2018

Re: Letter of Reference/Support for CDPR Research Grant

To Whom It May Concern:

The San Francisco Mayor's Office of Housing and Community Development (MOHCD) is pleased to offer its support for the San Francisco Department of the Environment's project to **evaluate the effectiveness of incorporating pest prevention and integrated pest management in San Francisco public housing renovations.**

The Mayor's Office of Housing and Community Development has worked closely with the San Francisco Department of the Environment and non-profit housing developers over the last four years to implement a comprehensive pest prevention and integrated pest management program within 29 former public housing sites throughout San Francisco. The proposed research project will offer us a critical opportunity to carefully evaluate this significant effort, which has already positively impacted the lives of thousands of San Francisco's most vulnerable residents.

San Francisco's public housing (like most such housing across California and the United States) suffered from years of Federal budget cuts, which resulted in deferred maintenance and significant deterioration in housing quality. Unlike so many other communities however, the Mayor of San Francisco was determined to address this problem and embarked in 2013 upon a lengthy and complicated transformation process using the Rental Assistance Demonstration (RAD) program. RAD provided for an opportunity to transfer these 29 properties to private affordable housing developers and to leverage the private financing necessary to address long underfunded capital needs. Through this program, and with an additional \$95M in San Francisco City General Fund support, 3,840 units received over \$800M in substantial rehabilitation, including Integrated Pest Management strategies.

Support from the Department of Environment has been critically important in providing the RAD program with the technical expertise and support to ensure more effective pest management, better air quality and fewer toxic hazards in the homes of some of San Francisco's most vulnerable residents. MOHCD is very grateful for this important contribution to this work.

The proposed project will allow the City & County of San Francisco to identify the most effective strategies for addressing longstanding pest infestations in our most distressed housing sites. We will work with the Department of the Environment to disseminate recommendations on best practices for pest prevention and pest management to affordable housing development teams. Furthermore, this project will establish best practices for this work throughout the state and improve the lives of

Californians and our environment. For these reasons, MOHCD is pleased to offer its full support for this application.

Sincerely,

A handwritten signature in blue ink that reads "Erin Carson" followed by a long horizontal flourish.

Erin Carson
Sr. Construction Representative
Mayor's Office of Housing and Community Development