

MINUTES

1068th MEETING OF THE BOARD OF TRUSTEES OF THE ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT

May 8th, 2019

TIME: 5:00 P.M.
PLACE: Office of the District, 23187 Connecticut Street, Hayward
TRUSTEES: Eric Hentschke, President, City of Newark
Wendi Poulson, Vice-President, City of Alameda
P. Robert Beatty, Secretary, City of Berkeley
Cathy Roache, County-at-Large
Alan Brown, City of Dublin
Betsy Cooley, City of Emeryville
George Young, City of Fremont
Elisa Marquez, City of Hayward
James N. Doggett, City of Livermore
Jan O. Washburn, City of Oakland
Robert Dickinson, City of Piedmont
Kathy Narum, City of Pleasanton
Victor Aguilar, City of San Leandro
Subru Bhat, City of Union City

1. Board President Hentschke called the regularly scheduled board meeting to order at 5:00 P.M.
2. Trustees Hentschke, Poulson, Roache, Cooley, Young, Marquez, Doggett, Washburn and Bhat were present. Trustees Brown, Dickinson and Narum were absent. Trustees Aguilar and Beatty arrived at 5:03 and 5:06 respectively.
3. Board President Hentschke invited members of the public to speak on any issue relevant to the District. Melanie Guillory-Lee of SCI Consulting Group was present to report on the preliminary Engineers Report for the fiscal year 2019-2020. Laboratory Director Eric Haas-Stapleton was present to report on the District's current research into UAS & AI technology to monitor larval mosquitoes. Mosquito Control Technician Jeremy Sette was present to record the minutes.
4. Approval of minutes of the 1067th meeting held April 10th, 2019.
Motion: Trustee Marquez moved to approve the minutes
Second: Trustee Bhat
Vote: motion carries: unanimous.
5. Presentation and approval of the final budget for fiscal year 2019-20.
Discussion:
The General Manager presented the final budget for fiscal year 2019-20.
Motion: Trustee Washburn moved to approve the final budget for fiscal year 2019-20.
Second: Trustee Doggett
Vote: motion carries: unanimous.

6. Presentation of the preliminary Engineers Report for the fiscal year 2019-2020 by Melanie Guillory-Lee of SCI Consulting Group.

Discussion:

Melanie Guillory-Lee of SCI Consulting Group presented the preliminary Engineers Report for the fiscal year 2019-2020 by Melanie Guillory-Lee of SCI Consulting Group and fielded the following discussion. Trustee Marquez asked if any updated budget numbers will be included in the final version at the public hearing (yes), if this report was mandatory (yes, justification is needed for the funds that are being requested), and if the report aligned with the budget (yes).

7. Resolution 1068-1 intending to continue assessments for fiscal year 2019-20, preliminarily approving the Engineers Report, and providing for notice of hearing.

Discussion:

President Hentschke asked if there were any further questions or discussion regarding Resolution 1068-1 before moving to vote (none).

Motion: Trustee Aguilar moved to approve Resolution 1068-1 intending to continue assessments for fiscal year 2019-20, preliminarily approving the engineers report and providing for notice of hearing

Second: Trustee Beatty

Vote: motion carries: unanimous

8. Presentation by Lab Director, Eric Haas-Stapleton, on the district's current research into UAS and AI technology to monitor for larval mosquitoes.

Discussion:

Laboratory Director, Eric Haas-Stapleton, presented on the district's current research into UAS and AI technology to monitor for larval mosquitoes and fielded the following discussion. Trustee Beatty asked how the mosquito magnet trap differentiates from usual traps placed (mosquito magnet traps are much more effective at collecting/suppressing mosquitoes). Trustee Roache asked if staff needed a pilot's license to fly drones (yes, an FAA license specifically for UAS). Trustee Washburn asked if the quantity measurement of water related to depth or area (has to do with how much water is in that area compared to other areas; staff is currently evaluating the algorithm). Trustee Hentschke asked if drone flights occur during high tide (approximately five days after a high tide event, in order to give the best possible chance of detecting early larval development and water accumulation). Trustee Beatty asked for clarification on evaluating how tides move through marsh habitat (explained). Trustee Washburn asked if lasers on drones could be used to improve water detection (possible and will be looked at). Trustee Beatty asked about how the camera angle affected imagery (several approaches are being looked at) and is it was difficult for drones to detect water, wouldn't it be difficult to see larvae (yes, but knowing if there was water or not would still greatly benefit the decision process in determining to inspect a water source or not). Trustee Washburn asked if staff were using a thermal camera (they are expensive but will be looked at). Trustee Beatty asked since larvae stay at the water's surface, would it be difficult for a drone to detect them if they dived deeper (most larvae stay at the surface and occasionally dive down to feed, there would not be a moment where all larvae would not be present on the top of the water for a drone to detect). Trustee Washburn commented on *Anopheline* feeding habits on the surface of the water. Trustee Beatty asked for clarification of which PLOS Haas-Stapleton had mentioned (the PLOS Biology). Trustee Marquez asked what PLOS was (it is a premiere scientific journal with open access). Trustee Washburn asked what the goals of the Biohub project was (to identify new diseases and show microbes in CA associated with mosquitoes) and asked if this research could possibly fingerprint to where mosquitoes develop (yes). Trustee Beatty mentioned the Wolbachia project and if Biohub was the same thing (different institution/project). The General Manager gave credit to Dr. Haas-Stapleton and his staff for such impactful work. Dr. Haas-Stapleton finished off by mentioning that the lab is also working on pesticide resistance research and will possibly have an assay ready by this summer. The General Manager

mentioned the political, regulatory, and economical justification behind much of the District's research.

9. Presentation of the Financial Reports as of April 30th, 2019.

Discussion:

The General Manager presented the Financial Reports as of April 30th, 2019 and fielded the following discussion. Trustee Beatty asked about GASB (General Accounting Standard Board—in this context, related to pension and OPEB reporting). Trustee Aguilar asked why the AP credit card was listed as only 10 cents (need to check with Michelle to confirm this amount).

10. Presentation of the Monthly Staff Report for April 2019.

Discussion:

The General Manager presented the Monthly Staff Report for February 2019 and fielded the following discussion. Trustee Washburn asked if Erika had been contacted by the UC Berkeley Botanical Garden regarding Bug Day on June 16th (will confirm). Trustee Marquez asked if there was any further communication regarding the increase in midges near the new Newark housing developments with city staff (no but will follow-up). President Hentschke mentioned another new development in Newark in progress.

11. Presentation of the Manager's Report for April 2019.

Discussion:

The General Manager presented the Manager's Report for February 2019 and fielded the following discussion. The General Manager acknowledged Jeremy Sette on his 4 years of service and his forthcoming promotion to Vector Biologist. President Hentschke asked the General Manager to meet with him to discuss the General Manager evaluation process (yes, after the meeting).

12. Board President Hentschke asked for reports on conferences and seminars attended by Trustees. Trustee Washburn mentioned his attendance with the General Manager at the recent Oakland City Council meeting where the District's presentation was well-received. The General Manager mentioned that Trustee Bhat and himself will be attending the upcoming CSDA Legislative Day and mentioned that he and Trustee Roache attended the Alameda County Board of Supervisors committee meeting where IPM was addressed. Trustee Roache gave further background to the definition and importance of IPM.

13. Board President Hentschke asked for announcements from the Board. Trustee Hentschke attended the LAFCO election and reported on the unopposed winner, Ayn Wieskamp. Trustee Bhat proclaimed that he had recently been elected as a new Alameda County Health Commissioner representing District 2.

14. Board President Hentschke asked trustees for items to be added to the agenda for the next Board meeting. The General Manager emphasized the importance of needing a quorum next meeting for budget approval.

15. The meeting adjourned at 6:10 P.M.

Respectfully submitted,

Approved as written and/or corrected
at the 1069nd meeting of the Board of



P. Robert Beatty, Secretary
BOARD OF TRUSTEES



Trustees held June 12th, 2019

Eric Hentschke, President
BOARD OF TRUSTEES