

**CALIFORNIA INVASIVE SPECIES ADVISORY COMMITTEE (CISAC) MEETING**

**Invasive Shot Hole Borer Sub-Committee**

**Pathways – Including Green Waste and Firewood**

**CDFA, Room 220**

**Monday, March 18, 2019**

**2:00pm – 4:00pm**

**Meeting Minutes**

**Meeting Action Items**

- **Next Meeting: Wednesday April 3rd 9am to 11am**
- **Working Groups:**

<b>Sub-Sub-Committee</b>	<b>Charge</b>	<b>Participants</b>
<b>Green Waste</b>	<ul style="list-style-type: none"><li>• <b>Develop Best Management Practices and Procedures for Green Waste Sites</b></li><li>• <b>Increase collaboration between Local Agricultural Commissions and Local Enforcement Agencies.</b></li><li>• <b>Discuss potential pilot programs</b></li><li>• <b>Identify potential other utilizations of wood products</b></li></ul>	<b>Coordinator:</b> Keith Okasaki <b>Participants:</b> Bob Horowitz, Justin Milan, Shikari Ota, Neil Edgar, Nawal Sharma, Kathryn Cross, Sheri Smith, Darren Ross Ed Williams, Nick Condos, Larry Swan, and Jennifer VanDyke.
<b>Firewood</b>	<ul style="list-style-type: none"><li>• <b>Identify potential resources and solutions</b></li></ul>	<b>Coordinator:</b> Kevin <b>Participants:</b> Leigh, Faith, Curtis E., Sheri, Helene and Andrea

**Other Action Items:**

- **Leigh Greenwood** email Kevin Turner regarding Western Plant Board meeting in San Diego in May. Kevin will distribute.
- **Matt Abbott** will get us a contact for the Emerald Ash Borer project.
- **Bob Horowitz to provide current outreach poster for green waste.**
- **Tabled to education and outreach meeting:** information about untreated wood for pallets.
- **Tabled to research committee:** Examine the pathway repurposing urban wood with kiln ovens.
- **Tabled to education and outreach meeting:** hobby wood.
- **Tabled to research committee:** solarizing wood.

## **Meeting Proceedings**

### **Background**

Subcommittee Co-Chair Kevin Turner, CALFIRE called the meeting to order at 2:02 pm. David Pegos, CDFA, gave a brief overview of the committee purpose and goals. AB2470 allocated 5 million for suppression of shot hole borer. He has scheduled 4 meetings, 2 weeks apart so we can move quickly on the plan and execute the plans with the funds available. Goal is to have consensus by the 4<sup>th</sup> meeting so that Shannon Lynch can pull the 4 pieces together. Simultaneously we will be working on RFPs at a 5<sup>th</sup> meeting. This committee is tasked with determining how much of the \$5 million will be utilized by the pathways sub-committee and how many RFPs will it be divided by. We have draft RFP language from CDFA and CAL Fire to start with. The goal of this first subcommittee meeting is to identify key action items and players. Upcoming subcommittee meetings on survey, research and education and outreach are scheduled for later this week.

### **Green Waste**

Mr. Turner lead a discussion on Green Waste within counties.

- Transportation of Green Waste.
- Recent data to show that ISHB were being found around green waste disposal sites.
  - Rosi Dagit further clarified that they trapped around several green waste sites in LA within 100 to 200 meters of green waste facilities in 2017.
- Recommendation that waste management facilities have a protocol on trapping.
  - Additionally, there is a need to address landscapers who have yards.
  - Mr. Turner asked if we have best management practices for Green Waste Facilities?
    - Dr. Horowitz thinks that would be good to develop. – Action Item
  - Very few handlers have compliance agreements. There are not that many known facilities. Not all are permitted.
  - Potentially need to expand regulations to include chip and grind facilities – notification requirements.
  - Recommendation that Local Agricultural Commissioners Partner with LEAs. Santa Clara did joint inspections. Utilization and disposal options.
- Create a working group of Cal Recycle, LEAs, Waste Hauler Associations, Composter organizations, Ag Commissioner Staff.
  - If interested in joining the subcommittee email kevin.turner@fire.ca.gov.
- Concerns on scope there a vast range of chipping sites.
- Identify a budget from the different groups to create the added capacity as well as making future requests to local and state governments.
- There was discussion over whether quarantine might be useful.
  - Discussion that an ISHB/FD quarantine is not feasible and that there is currently a lack of capacity to deal with all of the infested green waste produced within infested areas.

- Suggestion to move green waste to areas that are not great habitat for ISHB.
- Difficult to regulate chip and grinds. Many “chip and grinds” we are not currently regulating that we could regulate. They are not permitted and under a voluntary notification system.
- LEAs can help reach out to local chip and grinds.
- Shannon Lynch is developing a model for predicting the most vulnerable to identify locations of highest risk.
- Bio generation plants are going out of business which could have been beneficial in destroying infested green waste.
  - California forest fire task force are looking at increasing capacity of disposal and utilization, potential partner.
- 1-inch chipping has been shown to be over 90% effective in killing ISHB, suggestion of buying chippers in high risk areas
- Beetles are still present in dead trees, they even live in stumps as long as beetles have something to feed on

### **Firewood**

The discussion on firewood revolved around some of the great work already being done and the importance of compiling a list of current programs.

- “Don’t move firewood” movement through nature conservancy.
- California Firewood taskforce has an education and outreach focus.
- There is no mechanism to preclude ISHB/FD infested wood from being moved outside of the state.
- Concern that EAB quarantine is going to be lifted and may lead to a greater chance that EAB could be introduced into California
- Western Plant Board meeting in San Diego in May. Will be a significant portion dedicated to their firewood project seeking a common approach to firewood.
  - Mr. Pegos noted that unfortunately we will need to wrap up this process prior to that meeting.
- There was consensus to include Wisconsin method including firewood dealer certification, best management practices, firewood labeling regulations.
- California does not have a certification for heat treated firewood which is needed to make it commercially viable
- Suggestion to create park regulations for firewood.
- Research needed on how the wood is being moved.
- Current legislation AB 257 adds a requirement for Bio mass drop offs that would then have to go to Bio Mass. CISAC may want to comment.  
[https://leginfo.legislature.ca.gov/faces/billTextClient.xhtml?bill\\_id=201920200AB257](https://leginfo.legislature.ca.gov/faces/billTextClient.xhtml?bill_id=201920200AB257)

Next Meeting scheduled for Monday April 3, 2019 from 9:00am-11:00am

The Sub Committee adjusted the next meeting from April 1<sup>st</sup> to April 3<sup>rd</sup> due to Caesar Chavez Day.

## Public Comment

- Buying people equipment that would reduce the risk. Help people get the chipper.
- Tracking firewood dealers would help with our biggest weakness. Get people to buy firewood more locally. Track and register firewood dealers.
- Working groups should be looking at other resources.
- Consider different costs of the solutions in the subcommittees. Who are the different target audiences for education and outreach? What are the economics involved for those target audiences may help get them to change their behaviors?
- Like the idea of the particle size down to one inch then they could ship to where ever they wanted; are county use permits a part of this process?
- They do need a use permit, to do composting, they need a temporary permit that triggers CEQA, then they will get a solid waste, and they need air quality permits.
- We could look at conditions for permits. Contracts with existing environmental agencies. BMPs into those.
- Increase traps around waste facilities.
- Do not focus on the ISHB biology as we should prepare for future pests.
- There are probably a lot of funds that we are not getting because we are not asking for them.
- Can parks regulate which firewood are entering their properties.
- Should Water Board and Air Board be involved due to permitting.
- Needs to be a partnership of LEA and local agriculture boards
- Clarify what products you want the two working groups to come up with. Will also miss the outreach education meeting tomorrow, and the April 3<sup>rd</sup> meeting.
- New test for the fungus. Paper was just accepted. Now we need to implement it.
- Compost facilities are highly desired, have a compost pilot program, take in 600 tons in orange county green waste. Ab 1381 that may increase that. Not currently tracking the haulers.
- We could work on green waste reduction through drought tolerant landscaping.

## Adjourn

Tom Smith, adjourned at 4:15. Next meeting will be Wednesday April 3<sup>rd</sup> 9am to 11am.

## Meeting Participants

Participant	Affiliation
Kevin Turner (co-chair)	Cal Fire
Tom Smith (co-chair)	Cal Fire
Matthew Abbott	USDA, San Diego
Dorothy Abeyta	Davey Tree Expert Company
Lisa Andreano	State Parks
Abby Barraza	UC ANR
John Beall	Ventura County
Kyle Beucke	CDFA
Gregg Bratcher	Cal Fire

Ronald Bray	Riverside County
Faith Campbell	Center for Invasive Species Prevention
Corin Choppin	Consensus and Collaboration Program, CSU Sacramento (notetaker)
Douglas Chudy	The Wildlands Conservancy
Julie Clark De Blasio	UC ANR
Nick Condos	CDFA
Kim Corella	Cal Fire
Kathryn Cross	Orange County
Timothy Crothers	West Coast Arborists, Anaheim
Rosi Dagit	Santa Monica Mountains RCD
Weena Dalby	Orange County Waste and Recycling
Amber Durant	CDFA
Rose Epperson	Western Chapter ISA
Curtis Ewing	Firewood Task Force
Ben Faber	UC ANR
Jan Gonzales	UC ANR
Mel Graham	Agricultural Commission
Leigh Greenwood	The Nature Conservancy
Steven Halligan	Orange County
Andrea Hefty	USDA
Katie Harrell	Board of Forestry
Bob Horowitz	Cal Recycle
Anne Jarque	San Diego
John Kabashima	UC ANR Emeritus
Jason Leathers	CDFA
Shannon Lynch	UC Santa Cruz Doctoral Student
Mariah Mills	San Diego
Warisa Niizawa	Orange County
Beatriz Nobua-Behrmann	UC ANR
Keith Okasaki	CDFA
Mike Parker	Alliance Land Care
Max Regis	Los Angeles County
Amit Sandhu	Stanislaus County
Joe Scheele	Customs and Border Protection
Michael Scholl	CDFA
Matt Slattengren	Contra Costa County Ag Commission
Sheri Smith	Forest Service
Brian Stark	The Ojai Valley Land Conservancy
Curtis Takahashi	CDFA
Jonathan Trumbull	Orange County Parks
Jerrold Turney	Los Angeles County Ag Commissioner

Jennifer VanDyke	CDFA
Ed Williams	Ventura County Ag Commission
Karey Windbiel-Rojas	UC ANR
Sophia Yun	Orange County Public Works