

Douglas County Mosquito Abatement District
Minutes from Board Meeting Dec. 18, 2025

Those present: Don Callahan, Steve Wilcox, Michele Curtis, Tom McMantus, Julian Larouy, Linda Leitenbauer, Krista Jenkins, Mark Lundberg, Shelley Edwards and Vinnie Arrighi

Don, we'll call a meeting to order. And then begin with the approval of the minutes.

Michele, I'll make the motion to approve the minutes.

Steve, I'll second that

Don, All in favor. All say I, motion carried. Third item on the list is the approval of the agenda.

Michell, I'll make the motion to approve the agenda.

Steve, I'll second.

Don, all in favor, all say I, motion to approve the agenda carries. And of course, public comment. Apparently, there's no public comment, so we'll move on to item 5 presentation of the 2425 audit.

Vinnine, Okay, so here's copies of annual audit.

So I'll start with pages 1 through 3. This is the auditor's opinion this year. There's just like the previous series.

There's an unmodified opinion, which is the highest level of assurance. You know, findings or any of that. Pages 4 through 8 is management discussion and analysis.

This is management's review of the year. The comments give a summary of the financials just for anybody. Looking at is just an easier presentation to look at And then if we skip to page 9, and feel free to stop me at any time.

Question Page 9 is statement of net position. A couple items to note the cash balance increased from 2.2 million to 2.4.

Capital assets are 330,000 this year. There's the new drone and some miscellaneous equipment. I think the testing equipment that you guys purchased. Part of the new standards, there's a new lease liability disclosure.

That's just the airport lease. You just have to put it on the statement of net position. Just a standard that this started.

And at the bottom, the state net position, 2.7 million and we'll see that what makes that up on the following report. So, if we skip the page 11, we skip page 10 to page 11. It compares the budget of the previous year. The budget it's an actual numbers. Revenues are up. They're less than

budgeted. They're up from last year, though.

And most of that was just the advolurm tax. They increased from previous year 66,000. In consolidated taxes were up 6,900. Then there's miscellaneous revenue.

That was sale of the side by side. Total expenditures decreased to 900,000 And we're also 428,000 under budget.

I believe that was mostly from just a low year, right? Let me say that. That's the majority of the cost's supplies. And maybe. And the excess revenue so profit was 428,000 or I'm sorry.

449,000. Okay, pages 12 through 22 are the notes to the financials.

Note 2 shows that there were no findings, no violations.

Well, page 16, take. Note 2, that there's no significance of statutory constraints or compliance issues. Note 3, we broke out the cash previous year.

Previously, we just recorded the total amount of cash, but this year we broke out the local investment pool and actual bank account, which for better accounting. It's just easier to really get more representative. Note 4 is a new lease like I said previously.

This is the disclosure to that just showing the total lease payments. And that's for the airport properties.

Krista, Where does the 10,0000 come in at?

Vinnie, so that's the total, I the future value of your total payments for the lease period so through 2039. And you pay 9,000 annually, that's the land lease. And then your recorded portion each year.

Krista, I don't think that's ever been broken down like that.

Vinnie, No, it's a newer thing. And last year, because it was the end of the lease, we didn't have to report it. But this was the first year because it was a renewed lease.

Yeah, so that's where you've just booked a full amount over however long the lease is. So, it's just kind of showing the commitment that you've made

Krista, before we sign the new lease, is due on July 1st and this. Now I think it's going to be September 6th. I questioned that and was told, that is when we signed the papers. They had someone go through and audit the whole lease system.

Vinnie, Yeah, when I was looking through that lease, I think it said it was through September.

And then page 18 through 21. That's PERS, but now that's a footnote. Just from the state, they have their annual PERS reporting.

Just shows your pension liability. And that page is 28 through 29. As the additional auditors report for on the internal controls.

The report was unmodified. We didn't find any deficiencies in the internal controls everything looked great. Yeah, we pulled samples for checks and payroll and tested.

Make sure everything all the internal controls were operating correctly. Everything looked good.

Vinnie, does anybody have any questions?

Don, apparently, we don't have any questions.

Krista, I do have one question. I've just never seen a print out. This way is going back to the LGIP. The total cash carrying amount 592. What words of that figure run in all this on page 16?

Vinnie, so that's your bank account at Heritage. And then LGIP is your investments and that we always before we report it just one lump sum. But okay, thought it might be better if we broke it out to so it doesn't look like you just have \$2 million sitting in the Heritage bank.

Krista, what is the percentage of the investment?

Linda, It has been steadily going down. We've been getting About 6,500 a month. So I'm not quite sure what that percentage is, but I'll check.

Don, any other questions? So, I guess we need to entertain a motion. To accept the auditor.

Michele, I make a motion to accept the audit.

Julian, I'll second.

Don, all in favor, all say I, any opposed, motion carries.

Vinnie, Thank you very much. Thank you guys. Thank you.

Don, so we're moved on to the report for the current fiscal year.

Linda, I'm first going to show you all some charts, a 5 year average of certain I have it so we'll probably we'll get to there. So these charts are just 5 year key factors. A lot some of it was talked about in the audit.

Does everybody have one?

So this is just kind of showing you a visual interpretation of the changes. The first graph you have is the cash on hand.

Krista, I want to ask you a quick question. In the audit report that had the 24 plus and 592, so is that?

Linda, It was should have been 1,800 plus something. Yeah. So, the 20 this 2.4 million is the total of Heritage and local government investment pool.

And so yeah and you can see it's over the past 5 years, it's steadily increasing. Krista and I review periodically of how much to move over to the local government investment pool, because that's what earns the interest we just recently moved \$475,000 over into the pool.

Krista, do you think that given the fact there's 492 and some change in there? A 592 and some change in there right now is that what was accurate there or was that at the time at the end of

the audit?

Linda, that's at the end of the audit as of today, December 18th. We have 394,000 in the Heritage Bank. That's a checking account.

Non-interest bearing and then 2.3 million in the investment pool.

Krista, considering we're in winter and we're not doing too much. Do you think that's okay, or should we move it anymore in.

Linda, we could always move. Yeah, and we can always take it out if we need to, you know, if we think, so absolutely, yeah, okay. So the next chart is just another five year analysis of the revenues Vs the expenses 2025, we had 1 million 14,5000 in revenues 907,000 in expenses that amount and you can see it's lower than prior year 2024 but that 90,7000 just keep in mind does not include the capital outlay, there is about \$73,000 in capital expenditures, that is not included in that 900,000 number.

So, it's, you know, progressively the revenues are going up and so are expenses. The next one is the aircraft rents and ag supplies. This is your missing page, okay.

So, the aircraft rents you can see in 2025. It was lower. We didn't have to use aircraft.

Yeah, well, ag supplies were down too.

Krista, I mean, even though in the my report towards the end of the packet, you can kind of see there's a comparison. I mean, we were just kind of as busy, but where it really kind of showed was, we didn't do any aerial applications of any kind or ground fogging was down.

So those chemicals went down, we treated less acres. We did treat way more acres than we anticipated with the drone. So even though the water was down, the pumpers still keep us busy. So that's kind of our mainstay, who knows what's going to happen.

Linda, yeah, and then in the in the audit report. When Vinnie was going over the budget Vs actual, there was a variance. We were under budget in the expenses, and most of it is due to the ag supplies, that we put a big budget in there for that, because we don't know what kind of year we're going to have. And then we can our last one is salaries and benefits. I think some of these may be out of order, apologize for that.

We were actually down a little bit from 2024 in the salaries and benefits. And that was most likely due to Rod's retirement, right?

Rod's retirement, but yet we picked up Mark's salary. Jake did is our evening fogging guy. He was at 1 of our employees.

Krista, he got a full-time job because he graduated college and he's going into his career, and he would come in and do our nighttime fogging, but we didn't have very much nighttime fogging. So, and we do have another person that augments that also and then we did lose an employee.

Linda, but overall, it wasn't too much of a decrease. Okay? And then I wanted to just kind of go over a little bit how we are through December 18th through today.

These are this is the it's a profit and loss budget Vs actual. And did everyone get one.

It's 2 pages. Yeah, it's 2 pages, so here in the left-hand column. We have the actual income and expenses through today. The right-hand column, the budget and keep in mind that the budget amount is of full year. So, we're only into about 6 months, so you just can kind of see You know what we've collected kind of where we stand so far. There's really not a whole lot here, yet to really talk about agricultural supplies were only at 99,000 and we have a budget of 650,000. And right? But we also have a lot of you know, 6 months left. So, you know, we're, we're right on track with salaries and wages.

I'd say. And then, you know, the revenue that we receive from the property taxes, and the consolidated tax is just what we get from the county and from the state. Cash like we were just discussing in Heritage bank.

We have 394,000 local government investment poolists, 2.3 million, and we'll be moving a little bit over. Shortly.

Any questions?

Tom, what's voter maintenance?

Linda, so that's another old one,

Krista, several years ago, they had a woman they hired probably what 5 years now maybe into Douglas County over there, and she went through everything.

She came from Colorado I think, and she went through Douglas County's whole voter thing. And she found out that Douglas County was losing money revenue, because nobody was paying voter maintenance within their district town, whatever their entity was for Douglas County to take care of the voters. However, they take care of their voting registry.

So they originally came up with, like, I don't know. One of the numbers was like \$15,000 that we were going to have to pay for voter maintenance. And we're like, wait a minute, we have.

Our district is not the whole county, but it's a pretty good size of the county that overlaps all these other districts, towns and whatnot. That doesn't seem fair. What you're kind of double dipping and they kind of vamped everything and haven't heard her word since.

Linda, I have no idea there is 1 or 2 years, wasn't it? That we actually had to put it in

Krista and we had to put in our budget because they were going to say, well, you're going to have to start paying it in terms of like it.

Linda, okay. So yeah, that's going to go away.

Krista, so I haven't heard of peek since then.

Don, I need a motion for approval of the report.

Michele, I'll make a motion to approve the report, including the questions that were brought up. So, you guys were talking about getting rid of the zeros.

Julian, I'll second that.

Don, and so all in favor, all say I, any opposed, none, the motion to approve the report carries. Thank you.

So, we're onto number seven, Krista.

Krista, I've been dreading this, and I'm going to be honest with you. I've been dreading this. I had a dream last night.

That I told my staff once if this all goes according to plan and you guys agree there are caveats, I would understand that the staff quit. So, this has been heavy on my mind. I know I don't look a day over 40, but I'm going to be 67.

So, and I put in 20 years, and it's just I just feel that it's time. I gave you a retirement plan, and that's why I really encouraged you guys to pick this up really to kind of go through this.

I didn't really want to surprise you with it at the meeting. I wanted to give you a time to absorb it, digest it, read it.

And then as we begin to talk about it, we can formulate a plan and you can give me your guy's opinions, or whatever this is going to turn out to be. So basically, these are kind of the umbrella duties that I do on a daily and of course a seasonal one year basis. It's not all of it, but it's the meat and potatoes of it.

The biggest amount of my time is not necessarily administrative. Because I incorporate that into the daily work of what I have to do a lot of time and I'm a working manager. So I'm also out in the field.

And I feel honestly that Douglas County, mosquito abatement, doesn't need a manager that sits in the office because I have such a good team and we work very closely together. The other that I can delegate a lot of things to so I don't have to worry about it. And then we talk about it amongst ourselves if problems or changes or anything, it needs to come up.

So I have created a very teamwork-oriented atmosphere. And I feel very comfortable with the direction that the district is going because of my team. The other, besides the operational and the fieldwork, it's community activity, as far as doing customer service, which is a huge aspect of everything.

And that's just trying to make sure that everybody is taken care of for public health, because after all, that's exactly what we do as public health. So, I wrote this down for your guys' information to have it. Read it through.

I mean, we've been together most of us for quite a while now, and you all know what I do, but I don't think I've ever really had it written down on paper. So, the journey that I'm about to take is a brand new one for me, because I started with Ron and Ron just took me from field to field and pasture to pasture, and I learned everything from my bootstraps, and a little bit of information from him and knowledge from him.

And then when I started doing the paperwork, I found out that the county was doing most of it for him, so I would hand in my little reports. And they would come back to me, redlined like a teacher, and I had to find out that the correct way to do it. So hopefully I'm passing all that information down to what I believe and want it to be with Mark Lundberg, taking over Mark has been with us this full season and a little bit of last season, and I will have you guys talk to him.

And he can talk to himself about himself. You've seen his resume detailed diligent. Very good at communication, very good at customer service, very wise and intelligent man.

Very easy to work with and I have been observing his mannerisms and his co-worker relationships pretty much this whole summer, and I feel very, very positive about being able to bring him into the fold of the district and eventually managing the district, his operational experience at Heavenly is way more operational experience than I have because I've only been here and I work with local government which is very important. And I have grown to learn a lot, but my tenure here as far as 20 years doesn't surpass his tenure of 30 years up there with operational experience in the private sector with a whole different can of worms and more major problems than I've ever had to deal with.

So one of the major things that I appreciate is his operational experience to be able to fold him right into here. My job of teaching him some of this stuff is part of the responsibility that I'm going to be able to teach him and pass down what I have learned. And what needs to happen in the future.

When I'm gone the County is a resource. You guys are a resource. Linda's a resource, Shelley's a resource.

My team is a resource. And so I feel very comfortable with that. Mark has picked up and learned probably more than any other tech that I have trained and to be completely honest when he came in this season.

He kind of trained himself with Rod lost, he was my lead man. Jake was no longer with this full-time or at least seasonal full-time.

I lost an employee this summer. And he had some experience with Rod last year, riding with him. Mike has taken him out. Mark Hanson is taking him out. I've worked with him a little bit as much as I can. Shelley's worked with him so he has a pretty good taste of how we are as a district and what we are as far as our entity.

We have new things that we're going to be implementing because of this turnover. I've been fortunate enough to be able to keep everything in my head and now I have to get it all on paper. And so it requires a little bit different type of organization.

A few policies need to be upgraded. And we're going to be working on that, and I'll present those with you in May meeting for our budget.

Nothing major just things for 20 years haven't had to change now, they have to change. So we have to play a little bit of catch up.

One of them is the hiring procedure. We really don't have one because I've been here for 20 years. And when Ron had me come in as assistant manager, we just got board approval.

And then when he decided to retire and I became the manager, it was board approval. We went did not advertise. So now we are going to have a small advertised plan.

I've checked with pool/pact. I've checked with Douglas County. I've gone on up on the NRS, statutes for Nevada.

There's no general rule that says you have to, but it's good practice to make sure that we do advertise it in some fraction. So if somebody comes out and says, hey, you hired within, you didn't give us a chance to even, you know, come in and fill out anything out. Now we can say yes, we did, so we're going to follow through on that.

And I'll have more information on that in the May meeting, maybe that's one of the policy

changes that we're going to do. So now that I'm kind of done flapping my lips, if you guys at this point, have any questions or comments.

Tom, so is it just board approval?

Krista, yeah, absolutely. It is board approval to get this process going. I do have to do this to make it a fair process. And I'm thinking about 6 months from now 5 to 6 months from now, we will put an advertisement out for district managers.

And the human resources people that I've been contacting and talking to at the pool/pact, they said, well, you could just put a post in your office which nobody comes to see and on our website. So we're going to do something, and she says, you should do it for 2 or 3 days. And if we get inquiries, that's fine, we'll vet them and we'll do interviews and then you guys can make the decision we can make it together or you can solely leave me up to make that decision. But I think at that point we should talk about it as a board when it comes down to that.

Tom, I didn't know if the County would be involved at that point?

Krista, no, where are our own entity, it's our decision.

Don, essentially, what I was going to ask

Krista, at one point we were with the County before we pulled out in 2017. We followed their hiring practices until it got to a point where it was just. It was just way too much, and that's one of the reasons that we decided to pull out in 2017.

Because you guys are a board and you have the power to do make those decisions or help me make those decisions or make them together.

Don, As your assistant. Um, uh U. How's he chosen to be your assistant?

In other words, are there other people that work for you? That may have. Well, I have an idea that maybe they should have been selected?

Krista, from the conversations that I've had with the team, no one wants it. And I'm going to be honest with you again. Is I have not told them of my retirement plan yet, because I didn't want to open up a can of worms in case you guys say here, say, something completely out of the ordinary and say no or whatever the complications may be, my plan is. When we have a direction and we all approve of our direction, then I will sit everybody down primarily talking to them. And because I'll kind of know I might retire.

I've talked to them a little bit. Nobody's interested in becoming either an assistant manager or director.

Don, okay, thank you, yeah.

Krista, because I did consider that to make sure that that was a fair assessment.

Don, thank you..

Krista, so I don't know if you guys want to chit-chat with Mark. If Mark you want to tell him a little bit about yourself and maybe why you feel your you ready for this.

Mark, first of all, thank you for all the hyperbole.

Krista, It's how I feel Mark.

Mark, no, it's a it's a interesting challenge. And I find I find this very compelling, to be involved with, and I just went and ended this summer just trying basically my goal was to not get stuck in a pasture. You know so you're gonna get stuck.

And I said, no, I'm not gonna get stuck, so I'm just taking it One Day at a Time. And just trying to learn, and this is kind of part of it. It's been eye-opening on.

So I had no idea about the mosquito stuff I was like. What do we actually do? So?

It's been quite a eye opening, you know, so, but I've done tons of operational stuff. My whole life 's maintenance customer service, all sorts of stuff.

So no, but that's, I mean, I just, I'm just trying to be helpful. And follow in. Krista's footsteps.

I'm trying. She's been writing like a maniac, makes me nervous kind of time of walking the door she's just scribbling coming up right in your nose, and I'm like, oh God.

Krista, no 20 years of information needs to come.

Mark, It's just pouring out.

Krista, the one thing about mosquito control is once you've done it, and I'm not simplifying this in any fraction, but it's pretty much rinse and repeat and we go out and look for the same things. In a different place on a different day with different conditions.

Most of the chemicals we use is rinse and repeat. They really haven't come out with anything significantly new or challenging. So knowing the locations in the area of where we go out in the pastures and those type of developments, it's all the same that just changes from the day and from the season based on what we get from the snow, the rest of it is not that complicated, a lot of formulas that tell.

You what you need to do with a particular chemical. I think the hardest part of the job is customer service because you get a lot of calls and emails from people and complaining.

But the main thing is, people want to be heard. So once they feel like they're being heard, the rest of it falls into place. So it's been very rewarding, very challenging.

I don't believe that there is anything this man can't do. He's picked up a lot of slack in areas that we didn't have. Maybe a person we have a pretty good mechanic.

But he can practically do anything, and mostly because of his prior job, he's very mechanically inclined and I really appreciate that, and I don't know. If Shelley, if you want to throw your 2 cents in or not.

Shelley, you have covered him well.

Steve, and I have personally witnessed your interaction with the a lady one time that was concerned. And you were good. She's excellent, and if you follow her example, I'm sure you'll be very good.

Mark, I enjoyed the challenge with taste of face or phone call when someone's upset like trying to work through whatever it is I might find that kind of oddly fun you know.

Krista, so what we did different this year than our other years, for as far as new hires is, you know, we've had the luxury of having either high school kids or somebody come into the season and they ride with somebody that already knows the area. Well, he really didn't. You spent several times out with Rod last fall.

Yeah, and saw some of that, but it's different when somebody says this is this. And this is this, and this is this. So what we did this year is I made maps of certain areas where the gates were, and with the water flow.

And I worked with Rod, and so he had a general idea of things plus being out with Rod, and then I gave him a map and said, go explore. So he had that information with him at all times and he has picked up the locations and his valley pretty quickly. So it's been It's been very heartening to see somebody that really feels the dedication that I do not comparing him.

But the interest and the willingness to learn It's very refreshing.

We've got a hiring and plan that we're going to be doing so.

Mark, because it can't be fun.

Julian, with an impression back here in the back. When you talk about all the different chemicals which I can't even pronounce. But I see you do a lot of barbecuing.

Krista, so now we don't know, sometimes we have to let off steam!

Julian, what are briquettes?

Speaker 7 (42:34)

They're, they call him briquettes, and what they are is their larvacide in a like a charcoal form.

Some of them are made now with that are white and you throw it in a puddle. And it works for 30 days up to a 180 days, depending on what the circumstances are.

And it kills the larva.

Steve, well, I would say, in addition to, you know, Mark's resume and stuff. If Krista had been doing this so long and has been dedicated to and put a ton of work into it. And we've been, I mean, I've been on this board longer, and anybody else and always been satisfied with the job? She's done a great job, and that's her recommendation. That carries more weight than anything you put on this piece of paper.

Krista, thank you.. The other thing is towards the back part or the other side of this page is I will be leaving March 1st.

Michele, but a year from now, yes, I mean in 27.

Krista, yes, Thank you.

I wrote, that's my retirement date of 28. However, I will be available. I plan to be available for consulting and I've got that all worked out with PERS so I don't get arrested.

And I would be happy to come back and do some part-time work and do the drone or keep consulting him in any way shape for the district. I'm not just going to walk away and leave him. So I think that, to me, that's an important aspect of this plan is that I'm going to always be available.

Might have to pay a little bit. We'll cover all that don't panic, but I will always be available.

Michele, okay, thank you. Thank you for your service.

Don, so are we at a point now where we're going to, I would like to discuss the salary and benefit for Mark.

Krista, yes, because what I've been, we've been working on this. I've been working on this for about 6 months maybe a year in my head. So prior to this meeting, we've had a couple meetings to talk about a target salary and benefit package of how we're going to kind of go through that.

I would like Mark to become full-time salary as of January 1st. And at that point I've talked to PERS and he can immediately as upon becoming a salary full-time position he's available for PERS. So he can get that started.

And that's how we've kind of started as far as medical. He's going to be available for that of medical as far as that package. And I feel comfortable being able to do that this right now because we have such a quiet season, we do have an excess.

And that's one of my main things in talking with Linda is to make sure that this plan is something that we can do to make, and we're not shorting anything out or we're not going to put ourselves in any type of financial problem. And she's comfortable with the number I'm comfortable with where we're at. As you can see from the audit, we are significantly down in, I guess we're ahead in our money. So I feel comfortable if it was tighter. I'd have to kind of think about things and delay things. And kind of make it into the budget, as it is right now, as of January 1st, we're going to start with a salary and we can all talk about that.

And then Linda and I have talked about in March when we start our new budget season to prepare for next fiscal year we will put money into that and bring him up to a better range of salary so we can kind of start there. Then, that's kind of what we talked about.

Linda, you know for this fiscal year If we if we have an increase in our salaries and benefits We can offset that increase with decreases. Somewhere else.

So, you know, unless we You know? Here we go. You know \$,500000 over budget.

Somewhere else then we'd have a problem. But if we, if we're basically, we would just be

reallocating the money that we've budgeted it for this for this fiscal year.

Krista, and you know, we could take it out of flight, because I have a \$100,000 in flight, and we haven't even used anything. The chances of us having to do any flights next summer, they usually start maybe end of May, June and June.

So we're all like 2 months, and we're not going to spend our \$100,000 worth of flights in that short period of time. So we're comfortable there as far as my ag supplies. We've got a big buffer there right now and I'm all stocked up because I was kind of ready for a big season and it didn't happen.

Speaker 7 (48:05)

So we've got quite a few Chemicals ready and ready to go, chemicals are going up. Another five to 7%. But you know, I have no room to put anything. I'm full to the Gill.

Linda, I think the inventory is. 250,000 at June 30th 2025. When we had \$250,000 in inventory.

Krista, And I don't have quite that much because we didn't use some of that. But I have, I have one. Then, still having more in the budget.

If we start going through some of that, the drone is the one that chews up the product. And we're going to keep going forward with that. But you know, we've got a big enough budget that I'm not too worried about that right now.

So I think as far as salary, correct me if I'm wrong. We started, we started thinking about starting out at 45. With medical and additional to medical and then what I'd like to do is when he comes into the 1st July budget, to work him up to 60.

Because that's where he really deserves to be. And then from there on, he's on his own. And that's a totally up to negotiation, as far as your guys' opinion.

And mark, you have a say, in this also.

Mark, No, I'm good. I'm here to just try to be helpful.

Krista, so that's what I suggest. And if you're okay with that we have to start somewhere and then you know, we'll just go from there. Now that would include the beginning as January 1st he would sign up for PERS. And then medical and I'll work with Jeff to get medical.

Steve, that would seem fair to me. The starting point anyway, he's certainly worth that. What do you think don't think?

Don, yes, I think yeah, I. It sounds to me like you've given quite a bit of thought. And so I think we could maintain a motion to approve the plan as we have discussed.

Steve, we're all good, I make the motion to approve the plan as discussed.

Don, any comments?

Michele, I'll second the motion.

Don, all in favor of the motion, all say I, any opposed, none, motion carries. Well, thank you. So we'll move on to the number eight.. This is the notification that I'm not too sure, I even understand but I'm trying to read it.

Mark, I think that's a good intro.

Krista, that's a really good intro.

So if you guys remember our last meeting, we when we had Michael Millward here we talked about notification and our 7 layers, and this basically sets up everything was for ground fogging. Basically, you know, 48 hour notification and we put signs out and I call the county and I call the towns and other districts and call the homeowners association and all people.

Ah, a lot, so we figure we have about 7 layers of notification. So we've been talking about how else can we reach out to the community without putting extra burden on me. Or the staff that's going to help with a better notification system.

So we started thinking about email. Notification text notification. All these other kinds of things, and I did some research online.

And I came across this company called GoGuv and they work with local governments. They do this same program with Carson City and City of Sparks as far as here in Nevada and all over the United States. So we had them do a demonstration.

And basically, and these guys are going to weigh in on it because I ask them to basically what this is. they're going to develop a mobile app for Douglas County mosquito abatement, so you would say I would come up to you and say, hey, download the mosquito abatement app. And you put it on your phone, and it says, right up there.

First, do you want to allow notifications? Yes, I'm going to allow notifications. That's the first layer.

So what that means is, if we're going to do some fogging in Westwood, then we'll put all the signs out and go through all that other stuff. And then we'll go into the software. And we'll do an event May 14th, at 9 o'clock.

We're going to be in Westwood, blah, blah, blah, and we set it and it sends it out to whoever has this mobile app they get in a notification that we're going to be in the area fogging. We can also do other aspects of it to set up what they call applets. We can have a notification there for our trapper.

To say, hey, we're going to be trapping in Chichester or we're going to be trapping at Genoa Lakes, you know, so we're that shows us that we're doing more diligence on our job, we're going to have an applet that talks about testing where Shelly can say we've tested in Westwood, and all everything is positive where we've got negatives or

We can put in our staff and there's all sorts of things that we can do with this. And the one section of it, as far as the notifications is, the people sign up and it doesn't matter where they are in Douglas County.

They're going to get the notification. If we're in a specific location, and I'll use Westwood as an example, we're going to be doing Westwood. People in Ruinstroth people in, I don't know Genoa, people you over there.

You'll get the notification, oh, they're doing Westwood tonight. There's another aspect of it called geotargeting. And that aspect allows a person, and this is one.

I'm really interested in Michelle loads. The app I say, give me your email address. She puts it signs into an account.

Gives me her email address. Now she's able to get what they call geotargeting. It's a deeper aspect of the application where we say, hey, we're going to be in Westwood at 9 o'clock on Tuesday, and it's a specific location.

It's a geomap that we develop within the software. She gets an immediate notification that we're going to be in her area. So what we're hoping that is, as this continues that we can encourage people to sign up for the notifications through email.

And that geotargeting will give us another layer, not only within Douglas County. But within the actual location where we're going to be fogging, and what we're hoping is that I can call the HOA lady up at Genoa Lakes and say, you know, get the mobile app because you'll be notified. I don't have to call her anymore.

The notification goes to her and she goes, oh, they're going to be in Genoa lakes. So she does her little thing with all the Genoa Lake people. So if I feel it's going to cut back on some of the administration time for notification, we can create an applet for either Bee people sign up do the email. So then I don't have to call them. They get a notification that we're going to be in the area, they can figure it out on their own same thing. With health, if you've got a health problem, you know, sign up for the email will be in your area.

You'll know what to shut your doors. So that's kind of the premise of what we're trying to do here.

Don, how does the public become aware of how that works?

Krista, this company part of them developing the software with us and all the features that we want to incorporate is they help us with a marketing plan and part of that marketing plan is again requiring on our website and Facebook, the newspaper I'm going to go to channel 2 for an 8 and say can you put up a little blurb for the people that watch TV here and see if we can push them that way. So there's a whole kind of a plan to help us implement that. And then the rest of it is going to try and be word-of-mouth.

The other positive thing about this is the application ties in with our website and Facebook. So we don't. It takes a little bit of burden off of doing so much.

Maybe for Facebook, unless we really want to start with that for whatever reason, but if one of these applets comes app and it says, oh whatever fogging, they can go in and send us right to our website. So it's all integrated.

Steve, sounds good.

Krista, you guys have any comments?

Shelley, well, you covered the one thing I was going to say, and that was taking some of the burden off of having you to notify HOA's and people like that. And that was a big topic last

spring was, you know, how do we get to people that don't drive around and see the signs or whatever. And yes, maybe not everybody has a cell phone, but at least we're covering such a large gamut now.

You know, I don't know what more we can do, but I think this along the lines. I don't know if anybody has watched duty. The app that tells you when there's fires or emergencies and things like that, and it's very much like that you can go up and turn on notifications.

And it'll tell you, and it shows the map where it is, which is essentially something that we'll be able to incorporate. So it's along that line, and so it's very kind of even and it's not a big deal. But it's very informative that way.

Krista, so but it takes a lot of pressure off of us having to go oh jeez, we've forgot to put out the signs out, you know. Which we will continue in any way that's pretty important and there's a lot of people that get cranky if I forget.

Don, so what are the charges you do? That's supposed to cost?

Krista, I think it's 4,260 which is the cost of it per year. And they maintain, they maintain all the software with any upgrades and whatnot they, you know, do all the work for us except for everything. No, but they do all the work for us.

Initially, we've got to put the data in, oh yeah, we have to put our own data in. But they create the software for our needs, they maintain all that

Michele, It's an efficient, well, it's an efficient option. You know, going to email Facebook phone, call all these things you just have a blanket notification. And it goes out, you know.

Krista, and there are other notification systems out there, but it puts the burden on us. Because we're the ones that have to input all the emails. This does not, this puts the burden on them. If you want to be involved in this you just put your email in there for did you and notification. If not and you don't care about that type of notification, you just want to know. Then, you just download the app and you'll get the notification that we're going to be somewhere on some night doing something.

Shelley, once a good idea because it's just another layer of letting people know out there. And of course, the biggest thing is, if people get grumpy about this, well, I didn't know you were going to fog, and I didn't know you were going to do this. And all that stuff so that's just

Krista, and everybody seems to have a cell phone. So I think that, you know, if we get our campaign going correctly and we kind of do some work leg work. I think it'll be successful. One of the reasons that I'm pushing so hard right now for a decision, and if you guys decide not to do it. That's fine too, but we've talked to these people. And if you say, yes, let's do it, then I make a phone call to them.

And we've already decided that we're going to sit down on a conference call. And because we've kind of come up with our own questions. Okay, we get approved for this.

This is what's important to us and start asking them for questions and get some clarity on that.

Because as of January 1st, we want to go ahead to do this. And they start their thing, it takes about four weeks for them to implement everything and get it going and we still have to test it and we still have to find out a few things on that end.

But we feel if we can get this whole thing ready to go. So within eight weeks then, that would include all of our marketing plan. And getting the word out.

So people are aware of this before a mosquito season starts in other words. I don't want to start this and say, oh, we can't get it done by July, you know that, to me, that kind of defeats the purpose. So we want to get it started and implemented and do our own practicing before its so call goes live and see if there's any bugs that we need to work out.

And then hit the road and start telling people, this is what you need to do.

Don, well, I guess we could entertain a motion to approve the procedure. Go ahead with it.

Michele, I'll make the motion.

Don, so we have a motion to go ahead with the approve the GoGuv app.

Julian, I seconded.

Krista, then, I would encourage you guys too. When we're ready to oh absolutely. So you can see that we're really working.

Don, all favor of the motion, all say I, any opposed, none. Motion carries.

Krista, then, I'll keep you apprised of how this is going.

Mark, there are quite a few other municipalities that are using this for a variety of information for bill, paying for all kinds of stuff. So it's not, it's not new. Just, it's just new to us.

Krista, yeah, to us. But some of the other ones I've looked at, did you know, it was just like, I say that burden was on us? And we don't need any more of that.

You know, by the end of the winter season under our belt and go oh my God, this thing's a piece of work. Then, you know, we don't do it. But you never know, unless you try

Don, well, I guess we're ready to move on to number nine. The report to the report okay.

Krista, the first thing I think I don't want to say about this. First of all, did you all read it. It seems like if you go in the first page.

Where it says season 3/15 to 10/31 of this year. It gives you amount of again. We mentioned the briquettes.

We didn't even use hardly any oil this year. That wasn't really even worried to mention about.

Ground larvacide as, far as the money the drone you can see the, drone is way up there we, put out over 13,000 pounds and the adulticiding is way down this yea. Last year we did quite a bit even though it was a kind of a slow year, we used the plane quite a bit, not as much as we have

in the past. And then if you go down below the dotted line, it kind of I broke it down between the last fiscal. And this fiscal. So you can kind of see that really.

We haven't spent that much a \$132,000 on product. And which is significantly down acres wise, you know, we usually treat anywhere from around 10,000 to 14,000 acres a year, no matter if it's next year, don't know. But the average has been about 12,000 so what you're also seeing here is our ground larviciding, they only treated 702 acres this year.

But the drone picked most of that up at 2,700 acres. So what we're finding with the drone is our lead guys. Go out and do the work.

And they treat the smaller areas and we end up going out with the drone and treat more of the bigger areas which is really helps keep our mosquitoes down. It keeps the complaints down.

What I did find interesting this year over many other years is, for whatever reason, the Westwood area The home ranch, I don't know what they did with their irrigation, but we hardly were out there treating it was uncanny.

It was it was so weird. I was like when Mark first was going out there. I'm like, all right.

Is he doing his job out there. Do I help to go behind him and see? This is really unusual, you know, when he come back and well.

Did you get how much water's out there? Well, the pastures, there's no larva, and there's no irrigation, and I was just, you know, it was so weird but it was the year I don't know what parks did different. On the other side of the road on the inside Muller.

Nothing changed there. I spent most of my time there.

Steve, I saw you out there and I wondered.

Over here, because all those years, I coached at the high school. Mosquitoes were a real issue, right? Especially in the fall of God, it just each alive.

Yeah, you know, even with artificial surface deal with no grass. We'd step on that field and your legs would just be black. So that is odd.

Krista, I don't know what happened over there because usually Tranceacres you know you're kind of area gets hit pretty hard. And are the complaints Westwood, I think we might have fogged, Westwood, just 2 or 3 times which is unheard of, didn't get any complaints from the high school.

Don, do they get charged for the water that's out there?

Krista, I have no idea because I know that they have a limit. But I know that they don't care about the limit. So maybe

Tom, their new well goes on in June

Krista, maybe they're having well problems. I mean, they were, they were growing hay and feeding the cows, and they had their cow pattern was different this year. Normally they graze out there, but

Steve, it didn't stop David park from pumping.

Krista, well, because he pumped over there on the other side.

Steve, he was pumping like crazy.

Krista, it was really weird. And our mosquitoes, they weren't necessarily down. But they were, they were different last year.

Last year, we had a tremendous amount of aedes, and some of our other nonvectors, very few Culex, this year, the aedes were down the Culex, were up, so and that's as far as our trapping. Um, U. Before a little bit history for the board members that haven't been here that long. When we trapped, we'd send our traps to Washoe County. Washoe County with species them. Get them ready and organized to send to the Department of Agriculture for testing, and then we would get the report, and from the time that we trapped took him to Washoe County, Washoe County. The state to us that could be anywhere from typically, it was about 7 days on the oh on the easy side. And sometimes it was 30 days before we found out that we might or not have positives.

And so again, it varied from there, then Washoe County about 08, 09 or 10. Maybe, for whatever reason, they said, we're not going to do that for everybody here on your own. So, then we took it upon ourselves, get trained and we would trap, and then we would specie them out. And put it in tubes for the for testing, and we'd take them to the state. It helped a lot because at least we had control of what we were doing in the time frame when we wanted to do it the caveat, there was the turnaround for testing with the ag department still was about 5 to 7 days, typically was about two weeks.

And so then we started figuring out hey, we can, from the conferences that I went to, we can get our own PCR testing. We can do it ourselves. So we learned about that, and we got that going. And we, Shelly started doing some testing, and then this year was the first year that we did our own testing the whole summer, and she did a fantastic job on it. And you know, we didn't have any positives. Last year we had 3 positive pools, so we're good and it was we could test when we wanted to.

So if it was, you know, we could do it on weekly basis. We could do it on a daily basis. If it came up to with Shelley's the timeframe on how she needed to do it, and how the tracking was going. And for this year, as you can see, instead of just saying, we had 450 Culex in the report, we don't know what they were, or we didn't have time to specie, with the IDX machine that we have that identifies the mosquitoes for us. We now, we have a pretty good idea of what species are out in Douglas County. And I've always known from past experience and working with Washoe County that we have about 16 different species of mosquitoes that buzz through through Douglas County.

So now you can start to identify what these species are and they mean to us that we know which ones are ankle biters. We know which ones come in the Dom and the dust. Typically, we know which ones are kind of day biters, so we can start tracking our own trend to see how this is changing the demographics of the valley, whether or not too much water or not enough water or whatever.

And species tendencies are. Yeah, so it's been, it's been a really good thing for us. And what we

did is we and our trapping, we set over 400 traps this, I don't think, yeah, we set 447 traps this year. Last year we set 332, so our trapping is increasing. And that's really what sets off any of our fogging, or any event, if anything turns up positive that sets the whole ball of wax.

Don, well, we could entertain motion to approve your report.

Michele, I'll make a motion to approve the report.

Tom, I'll second the motion.

Don, all in flavor, all say I, motion to approve the report carries. So we're on to the concerns of the board.

Krista, I have a concern. We don't need to discuss it. It's just I want you to hear this because I do have a direction. As a result of our meeting with Michael Millward saying the notification that he thinks that we should do a 48 hour notification. We have a somewhat of a season under our belt of doing a 48 hour. Notification, and it's not going to work for us. It's too long. On a low season year, we got away with it.

I think on a heavier year. It's not going to work. I think that I need to revisit that with Michael and talk to him about it. And come up with a better plan. We've done some research with other districts. So I've looked at if see if there's any law out there that or requirement.

And there really is none. Every district, every entity, every government, that does any type of vector or mosquito control has their own internal standards. There's no specific set requirement, and so what I would like to do is start looking into changing that requirement.

One of the burdens of it is that 48 hours is a long time in this valley wind change temperature change, rain change, and if we're set to 48 hours by the time we get to maybe doing that particular fog event on that night. And it's windy or rainy, we have to cancel it, then. We have to wait another 48 hours. And on a busy year, we're not going to get any work done. And we're going to be constantly out there doing 48 hour notifications. I think that there should be a compromise. And with I'm hoping that when I sit down and talk to Michael about that. And get his opinion on it. We can figure out a solution and not be held to that, because I really think it's going to be burdensome for us and as far as public health and trying to notify people that we're coming into the area. We're doing everything we can and with this new notification system. I don't see why we still have to be stuck at 48 hours. I think that we've got to work around that. And so that is a concern of mine that I think, if I get and sit down with Michael, and then if we need to come in the may meeting or have another meeting to revise that officially, I just wanted you guys to know that you might be coming back. After the New Year before, maybe before May.

Julian, I'm just going to say with this email thing you showed us, what would be the timeline on that?

Krista if we could send it out Immediately, we could send it out 24 hours, if we know and everything's cool. We could set it out 48 hours. The other thing that we can do with this app is

we can stack it like if we know we're coming in. And this year is an anomaly. But in normal years, we might fog Tuesday, Wednesday, Thursday, Saturday Sunday. It really, you know, it really depends.

We could stack those up and send notifications out too, we have the power to set those notification times as we want to adhere to maybe 24 hours. And we can set those up in a head, but at a 48 hour, trying to notify everything with signs. And with the environment, the things that change and my 20 years of experience, it's not going to work, we tried it, it's too burdensome, and I think it defeats the purpose of why we're doing public health.

Don, with the notification app, that's going to You really assist you.

Krista, yes, that's what we're hoping. And I really see that in this application and how it's just going to be determined on how we're going to set this up and implement

Shelley, I was just going to say that like placer County and some of the heavier counties. You typically do 24 hours. But if there's a heavy presence, or if there's a reason, sometimes they just do it that afternoon and say we're coming in tonight.

And it really is about being able to eradicate flying mosquitoes than it is to say, you know, well, 48 hours. Because in 48 hours, they may not. They may be in the next county.

And then we'll just putting in chemical in the air without any particular efficacy. So

Don, the goal is to protect.

Shelley, well, you're right, and that's what we want to do. We want to get rid of the ones that are right there right now.

Krista, and you know, everything goes away. The 48 hour notice goes away and a lot of the other things too. If we get positive is we gotta jump on them.

So, you know, just, it doesn't, it's just not it does not working.

Shelley, okay. Well, we've had some calls from people saying, well, you came in last night but it didn't do any good. Well, in history, the sphere was the first year we had people complaining that even though we came in, we didn't, you know, nothing happened. And in the previous years, we've had people call and say, wow, thank you so much. You know, they're way better. And that's, I think, just because we were able to say, hey, Joe, can you go on, you know, but public notice is important. So, you know, we have to compliment

Don, any other concerns, if not let's entertain a motion to adjourn

Michele, I make a motion to adjourn the meeting.

Tom, I'll second the motion.

Don, all in favor, all say I, motion to adjourn the meeting carries.