

**IONA MCGREGOR FIRE PROTECTION AND RESCUE SERVICE DISTRICT
BOARD OF FIRE COMMISSIONERS MEETING AGENDA**

DATE: January 15, 2025

6:00 P.M.

6061 SOUTH POINTE BOULEVARD

FORT MYERS, FL 33919

NOTE: THE BOARD MEETING IS BEING RECORDED AND ALL STATEMENTS MADE DURING THE BOARD MEETING ARE SUBJECT TO BEING MADE AVAILABLE TO OTHERS AS A PART OF THE BOARD MEETING PUBLIC RECORD.

NOTE: ALL PHONES AND ELECTRONIC DEVICES MUST BE PUT ON THE SILENT MODE PRIOR TO THE BEGINNING OF THE BOARD MEETING AND REMAIN ON SILENT MODE THROUGHOUT THE ENTIRE BOARD MEETING UNTIL ADJOURNMENT.

Meeting Called to Order: 06:00 pm.

Roll Call of Commissioners: Vice Chair Steve Barbosa (Present), Treasurer Paul Louwers (Present), Secretary Jason McCoy (Present), Commissioner Stephen Allen Sr. (Present). Chair James Andersen (Absent), excused absence.

Opening Prayer and Pledge of Allegiance

Recognitions: Fire Chief Comer gives recognition to Mr. Walker for his eight years of service as a Commissioner. Mr. Walker shares a few words of appreciation to the District, noting their professionalism and dedication. Mr. Walker also notes the teams' achievements, made successful by a collaborative effort between the Board of Commissioners and the District members.

Adoption of Meeting Agenda, Including Amendments A motion to 'Adopt Meeting Agenda, Including Amendments' was made by Commissioner Louwers, seconded by Commissioner McCoy...Motion carried. Call and question, all in favor aye.

[Approval of Previous November Board Meeting Minutes](#): A motion to approve 'November Meeting Minutes' as listed was made by Commissioner Louwers, seconded by Commissioner Allen ...Motion carried. Call and question, all in favor aye.

Approval of Financial Report, [November 2024](#) and [December 2024](#): A motion to approve both of the 'Financial Reports' was made by Commissioner Allen, seconded by Commissioner Louwers ...Motion carried. Call and question, all in favor aye.

Chief's Report: Fire Chief Comer discusses the Commissioner Intranet, and Ethics Training. Opens the floor to questions. Commissioner Allen mentions images on the Chief's Report and Station progress updates. Discussion ensues.

Attorney's Report: Attorney Pringle discusses two items; the local delegation meeting was held last Thursday; the second item is that a onboarding discussion meeting was held with the new Commissioners.

DVP's Reports: Nothing to report, no DVPs present.

Public Input on Business Agenda Items [Note: Prior to Board action being taken on each of the Business Agenda Items below, members of the public will have up to three (3) minutes per person to make public comment on each of the Business Agenda Items after the Commissioners have had their discussion.]

Business Agenda Items

1. Update Bank Signature Cards

- a. Discussion of Agenda Item
 - b. Public Input
 - c. Board Action
- a. Discussion of agenda item:* Discussion regarding 'Update Bank Signature Cards' ensues from CFO Winzenread. Attorney Pringle elaborates on bi-annual signing authority and changing of authorities in respect to interaction with the bank. A proposal to the Chair is made by Attorney Pringle. The proposed discussion was authorized adoption of the resolution to Bank United.
- b. Public input:* None.
- c. Board action:* Attorney Pringle described as a motion to approve the Bank United Resolution to approve official signers for the District and to authorize staff and attorney to complete the resolution and to authorize Chair to sign the Resolution. After opening the floor to Public Input, none, Commissioner Barbosa communicates this is 'so moved'. The authorization for it be signed is complete. The motion was made by Barbosa, seconded by Louwers. ...Motion carried. Call and question, all in favor aye.

2. Ward No Smoke Representative Discussion

- a. Discussion of Agenda Item: Ward Smoke representatives lead a presentation.
 - b. Public Input
 - c. Board Action
- a. Discussion of agenda item:* Discussion depicting 'Ward No Smoke Representative

Discussion' ensues from Ward representatives, A presentation on the topic is shared. Commissioner Louwers asks whether the product has been verified with the EPA, discussion ensues. Commissioner Louwers shares a couple more points of interest, leading into further discussion. Commissioner Allen discusses the function, operation, and engine performance of the system.

As requested by Commissioner Louwers, on March 14, 2025, the Soniclear audio transcription export narrative regarding this item is listed below:

“0:28:08 06:28:09 PM So the board may recall we had budgeted in the budget
cycle for the addition of of the
0:28:15 06:28:16 PM warden. No smoke capture, direct source capture systems.
There was some discussion about
0:28:20 06:28:21 PM that, some questions.
0:28:22 06:28:23 PM So we agreed we would table it until we had more
opportunity to talk about it Just so
0:28:28 06:28:29 PM happens that president and board representatives were in
town or close by this week and
0:28:33 06:28:34 PM were able to arrange to be here tonight. So we wanted to
bring them and have give them an
0:28:38 06:28:39 PM opportunity. They're going to do a brief open overview of
the product and then open the
0:28:42 06:28:43 PM floor to answer any questions. So we'll let them introduce
themselves.
0:28:48 06:28:49 PM Hello, everybody.
0:28:49 06:28:50 PM Thank you so much. Awesome honor. Thrilled to be here.
Even though it might be a little
0:28:54 06:28:55 PM cloudy and cold for you guys, I'm from upstate New York
too. It's still beautiful.
0:28:59 06:29:00 PM I appreciate the opportunity. We're actually here on the
board of directors today and our
0:29:04 06:29:05 PM 14 aircraft rescue firefighting working groups, that's all a
US and international airport
0:29:10 06:29:11 PM Fire departments have an organization where all of them
know. We're actually hosting a
0:29:15 06:29:16 PM leadership conference for chief with 350 people in Port
Charlotte at the Sunseeker
0:29:20 06:29:21 PM Resorts and helping run a little conference on the board
with impact. And so I was here
0:29:25 06:29:26 PM and I ducked out early today to be able to come over here,
meet everyone. And so it's
0:29:29 06:29:30 PM awesome.
0:29:29 06:29:30 PM Honored to be able to here see the inner workings of the
magic that happens here. So thank
0:29:34 06:29:35 PM you and thanks for giving me the opportunity. So yeah, I'll
go quick because I can
0:29:39 06:29:40 PM obviously get long winded on this too because I live it, read
it and love it. But Scott

0:29:45 06:29:46 PM Beecher, I'm the owner, I was vice president from 07 to 13, bought it in 2013 and we've

0:29:52 06:29:53 PM added about 15 acquisitions now about 150 people. We make fire trucks, emission systems,

0:29:58 06:29:59 PM a lot of other manufacturing, other things.

0:30:00 06:30:01 PM Most of all is all healthy safety products and services that we sell and service and

0:30:05 06:30:06 PM deliver across The US and across the world actually. So getting to the point, we do make

0:30:11 06:30:12 PM fire trucks that you guys actually have in your, in your buildings and buy from us. So

0:30:15 06:30:16 PM thrilled to have that opportunity as well. The war diesel itself is, it's a vehicle

0:30:21 06:30:22 PM mounted exhaust system for fire trucks. So it's a direct source capture right in the

0:30:25 06:30:26 PM vehicle to help minimize exposure to any of the carcinogens and negative effects of

0:30:30 06:30:31 PM diesel emissions and gas emissions.

0:30:32 06:30:33 PM So really, you know, the fire service, I'm not going to read these slides. They're just

0:30:35 06:30:36 PM kind of some pictures to show you some of this stuff. Especially since 07 and then later

0:30:40 06:30:41 PM editions of the new after treatment devices are all designed for outdoor air quality. And

0:30:45 06:30:46 PM we actually do a lot of those. We've done thousands of retrofits for school bus, transit

0:30:50 06:30:51 PM bus, over the road construction equipment, all those type of things for outdoor air

0:30:54 06:30:55 PM quality.

0:30:55 06:30:56 PM With the new emissions, you know, it's based on epa, so they take a fictitious bubble and

0:31:01 06:31:02 PM put it over a geographic area and they do measurements of greenhouse gas and other things

0:31:07 06:31:08 PM that are being affected by outdoor air quality. Oceaniosh is who we look at and the two

0:31:13 06:31:14 PM actually don't really mix the same testing for procedures are totally different. There's

0:31:17 06:31:18 PM not any of the same similarities. So it's kind of a misfit for the EPA stuff. For the

0:31:22 06:31:23 PM fire services, it's a much more confined specific niche than just overall outdoor air

0:31:27 06:31:28 PM quality.

0:31:28 06:31:29 PM It looks at different constituents in the exhaust. So the interesting, if you look at all

0:31:34 06:31:35 PM the facts right now, in the last 10 years, especially the last five years, there's a lot

0:31:39 06:31:40 PM of focus on fire service, firefighters with cancer, and it's double digit higher rates

0:31:45 06:31:46 PM than just about any other industry out there. One of the big
contributing factors is the
0:31:51 06:31:52 PM fact that in their stations or on scene working around the
trucks, they're living,
0:31:56 06:31:57 PM breathing and eating around running diesel apparatus. So
there's several products out
0:32:01 06:32:02 PM there that help mitigate this. If you go to the next slide with
the new trucks, we do
0:32:08 06:32:09 PM what's called the no smoke tube and it goes after the after
treatment device, before the
0:32:14 06:32:15 PM diffuser tip or whatever the intel pipe is.
0:32:16 06:32:17 PM So it's after the after treatment device and it actually
oxidizes what's in there before
0:32:23 06:32:24 PM it gets to temperature with the after treatment device. So I
don't know if everyone's
0:32:27 06:32:28 PM familiar with after treatment devices and new trucks and
different emissions. It's kind
0:32:31 06:32:32 PM of confusing, I'm sure, but basically the outdoor air quality
stuff has made the exhaust
0:32:38 06:32:39 PM better and less visible for people to see. However, it's
increased some of the gases in
0:32:44 06:32:45 PM some of the other constituents. And the other thing with the
new emissions, it actually
0:32:48 06:32:49 PM has made the particulate matter the sub micron level which
is again why you don't see it.
0:32:55 06:32:56 PM But also it permeates deeper into flash into your lungs, into
other things. So as it gets
0:33:00 06:33:01 PM deeper into the any of the firefighters or people are working
around with running
0:33:04 06:33:05 PM vehicles. This just goes through some of the testing and
how we do sub opacity testing to
0:33:08 06:33:09 PM jump to the next. These are just some of the test results
from the no Smoke and the no
0:33:13 06:33:14 PM Smoke tube. No Smoke is standard.
0:33:15 06:33:16 PM It's the standard system we first had that's prior to 07
emission vehicles. That one is a
0:33:21 06:33:22 PM diverter valve. When you start the truck, it's automatically
engaged. Diverts it into the
0:33:26 06:33:27 PM ceramic filter. A cartridge that's changed every three or
four years.
0:33:30 06:33:31 PM I don't know the exact mix of your trucks. I think the
majority of them are no smoke 2.
0:33:35 06:33:36 PM Not the standard no smoke. Any new trucks from 07 and
beyond would be the no smoke 2.
0:33:41 06:33:42 PM Typically it just breaks out each of those two different
systems.
0:33:45 06:33:46 PM The no smoke 2 being in line, you never change it. You
never have to turn it on or off.

0:33:50 06:33:51 PM Anytime that truck is running, it's going. So it's oxidizing it and protecting your
0:33:55 06:33:56 PM firefighters. In the station on scene when you're working around patients.
0:33:59 06:34:00 PM Anywhere that truck goes commuting grade the older system, it's on a timer and a diverter
0:34:05 06:34:06 PM valve and you get automatic when you start it. Enough time to get out of the station
0:34:09 06:34:10 PM gauges when you're backing back in for a drive through bays, a push button and then
0:34:14 06:34:15 PM anytime you're working on scene you can flip on manual Luma ride to keep it simple. Other
0:34:19 06:34:20 PM types of technology are like hanging hoses in a bay or a ceiling mounted fan. We're the
0:34:24 06:34:25 PM only vehicle mounted solution and system that's out there. The others if you understand.
0:34:30 06:34:31 PM I don't know if everyone's seen like a hose with a track and either have a hose that you
0:34:34 06:34:35 PM have to physically hook on the tailpipe or if it's a ceiling mounted system just up and
0:34:41 06:34:42 PM up in the ceiling somewhere and tries to suck it home but it still goes through the
0:34:44 06:34:45 PM breeze. So those are the three types of technology. You can jump to the next slide. You
0:34:50 06:34:51 PM know, we look specifically again at OSHA NIOSH regulations. I'm actually involved with
0:34:56 06:34:57 PM NFPA and we just came out with a new standard 1585 that it's for contaminants and
0:35:02 06:35:03 PM Contamination control.
0:35:04 06:35:05 PM And I actually did the chair the chapter on apparatus for that whole standard. So we're
0:35:09 06:35:10 PM very involved nationally in health and safety, specifically for firefighters and for this
0:35:14 06:35:15 PM type of stuff. So way beyond just trying to provide a product or a solution, they're
0:35:18 06:35:19 PM really behind it, trying to drive the whole focus of health and safety. Jump to the next.
0:35:24 06:35:25 PM This shows that no smoke too.
0:35:26 06:35:27 PM So it's a flow through substrate creates less back pressure than a 90 degree elbow. Again,
0:35:31 06:35:32 PM it's always on, it's always working. It's platinum floating motor compounds that oxidize
0:35:36 06:35:37 PM the emissions and burn that really fine particulate matter. And then the next so it goes
0:35:41 06:35:42 PM after the after treatment device before the tip. So it's as a man, as a truck
0:35:46 06:35:47 PM manufacturer, we follow guidelines by EPA and by the engine manufacturers that all we do

0:35:51 06:35:52 PM is, you know, after the after treatment device.
0:35:53 06:35:54 PM You can never do anything upstream of the after treatment
0:35:56 06:35:57 PM device. And as a truck builder we have to do the
0:36:00 06:36:01 PM same no matter if we're
0:36:07 06:36:08 PM putting on a magnetic thing for a hose system or if it's the
0:36:13 06:36:14 PM no smoke in the intel to the
0:36:19 06:36:20 PM next. So again it's just kind of shown just a little
0:36:20 06:36:21 PM explanation picture of it
0:36:26 06:36:27 PM underneath. After the after treatment device, the standard
0:36:30 06:36:31 PM no smoke the older is like a
0:36:35 06:36:36 PM dpf, a diesel particular filter.
0:36:39 06:36:40 PM It is every other cell wall off as, as the exhaust goes
0:36:44 06:36:45 PM through. It's between a gas and
0:36:48 06:36:49 PM liquid state and it actually captures it in a certain ceramic
0:36:53 06:36:54 PM cell walls of the
0:36:58 06:36:59 PM substrate. And then that's by that one is what you would
0:37:00 06:37:01 PM change every three or four years
0:37:07 06:37:08 PM depending on use. It is the back pressure sensor light on the
0:37:12 06:37:13 PM dash tells you when, gives
0:37:16 06:37:17 PM you plenty of time. Once it indicates when it's red, you call
0:37:20 06:37:21 PM us, we ship a new one.
0:37:25 06:37:26 PM It's a few hundred dollars plus shipping. Swap it out as a
0:37:26 06:37:27 PM cartridge, ship the old one
0:37:32 06:37:33 PM back. So it's an exchange program. There's a safety feature
0:37:36 06:37:37 PM too. If I ever got to 1.6
0:37:45 06:37:46 PM psi, an old non emission vehicle, it would automatically
divert back to the standard
exhaust with the diverter valve.
And that's been around since the early 80s. Go to the next
part. So again, that's that
diverter valve I was saying. So as it comes out, you go to
the diverter valve and if it's
just driving down the road, it's just a standard tail light. But
anytime you're in the
station or returning to the station or working around it on
scene or doing a parade, you
know, even pumping, you know, you go up to about 1800
RPMs, 1900 RPMs pumping with it on,
it's not an issue.
Just normally it's just not engaged. As you're driving down
the road, jump to the next.
Again, that's just a little show on it. So you think about, you
know, if you look back
and this is pump panel, right? So think back in 2015, 16,
the it was Illinois Fire
Service Institute did a study firefighters on scene and they
did blood level testing of

0:37:51 06:37:52 PM firefighters, engineer, firefighter fighting the fire, venom of fire and overhaul.

0:37:57 06:37:58 PM Double digit high or blood level testing. The engineer is the highest exposed. Couple

0:38:04 06:38:05 PM reasons for that, right? Some are controllable, some aren't. One of the biggest reasons

0:38:08 06:38:09 PM is they're not wearing scba, right?

0:38:10 06:38:11 PM So blow off wind from the, from the event that you're working is not controllable. The one

0:38:15 06:38:16 PM thing that is controllable is mitigating the exposure from the exhaust. So they're

0:38:19 06:38:20 PM sitting there running, they're working around 3, 4, 5 running apparatus. So with our

0:38:24 06:38:25 PM system, whether it's a standard one, you can divert it with the main override. But on all

0:38:28 06:38:29 PM the new trucks, which majority of yours are, it's always on.

0:38:32 06:38:33 PM So you're always mitigating that exposure. No other product. If you look at the hoses of

0:38:37 06:38:38 PM the station audit system doesn't go with you and gives you that full totality of that

0:38:41 06:38:42 PM particular action. You can jump to the next slide. So again, this shows you we also do it

0:38:47 06:38:48 PM for gas, gas engines as well.

0:38:49 06:38:50 PM It's very similar to no smoke too. It's basically like a oxidation catalyst in your

0:38:55 06:38:56 PM whatever car you have, but it's just a little bit bigger. They got more stuff in it and a

0:38:59 06:39:00 PM lot more precious metals and other things that oxidize those emissions. You can go to the

0:39:02 06:39:03 PM next, you know, fully on board. You know how many stations you have, you know you're

0:39:10 06:39:11 PM covered, right.

0:39:11 06:39:12 PM Right now the one station's not open yet or isn't open today, you're moving trucks from

0:39:16 06:39:17 PM one bay to another bay. If you have a hose type system, you're tied to that bay. You've

0:39:21 06:39:22 PM got that umbilical cord stuck. You've got a firefighter that has to actually go and hook

0:39:26 06:39:27 PM it up before they come back in. And you hope it pops up before you pull out.

0:39:30 06:39:31 PM Would you watch when the tracks, when it's pulling down the track, it pops off 5, 10ft

0:39:34 06:39:35 PM before the end of the bay. So you're still getting that puff in the bay. With our system,

0:39:39 06:39:40 PM again, it's all automatic. Takes out a firefighter's hands. You're able to move station

0:39:43 06:39:44 PM to station, bay to bay.

0:39:44 06:39:45 PM You don't have to worry about where it's tail fly or you

0:39:47 06:39:48 PM out. A lot of times you only have two people on truck,
maybe three. You can take the
0:39:52 06:39:53 PM spotter away from watching the truck back enough to grab
the hose to hook that exhaust
0:39:55 06:39:56 PM on. Now that's a risk factor. So another advantage of having
a fully vehicle mounted
0:40:01 06:40:02 PM system jump to the next.
0:40:07 06:40:08 PM So we do a lot of the ambulances, hospitals love it too,
right. How many times they
0:40:11 06:40:12 PM complain of the exhaust at the bay. Right. They're coming
into the. When you're
0:40:15 06:40:16 PM offloading patients, whatever that's the standard, no smoke
that just showed the
0:40:19 06:40:20 PM cartridge and then last thing, jump to the next.
0:40:25 06:40:26 PM And that's so. So you know again we've been around like I
said since the early 80s, came
0:40:31 06:40:32 PM out of the fire truck builders who invented this was past
president vice president of
0:40:36 06:40:37 PM American France Ward La France. And he started Ward 79
in our hometown upstate New York
0:40:41 06:40:42 PM and spun it out in the early 80s, mid-80s as Ward Diesel.
And I'm the third owner again I
0:40:47 06:40:48 PM came out in 07. And you know, I think for what we do it's a
unique specific technology.
0:40:55 06:40:56 PM But especially now with a new age of trucks. What's
happening? Awareness of cancer in the
0:41:01 06:41:02 PM fire service and the best way to take it out of the hands of
someone that's got so much
0:41:06 06:41:07 PM that they have to do the firefighter so much in front of
them. And if you can take
0:41:10 06:41:11 PM something that totality of it between not just in the station
but everywhere that truck
0:41:14 06:41:15 PM goes to give it that capability and then not even have to deal
with it, that it's
0:41:18 06:41:19 PM automatic is just the easiest, best option that's out in the
market. So again I make it
0:41:24 06:41:25 PM so it is my company.
0:41:25 06:41:26 PM I love it and I believe in it and would love to keep working
with you guys. Obviously, you
0:41:32 06:41:33 PM know we make the trucks and you have some of those. I
think for our sake here, you know I
0:41:38 06:41:39 PM just want to open up too for you guys. If you have
questions, love to answer them, see
0:41:43 06:41:44 PM what we can do. We'd love to get rolling with you.
0:41:45 06:41:46 PM We have a lot of great Q customers. Want some references?
I think you've already talked to
0:41:49 06:41:50 PM some. U.S. air Force is our biggest Navy's up there as well.

0:41:53 06:41:54 PM United States Air Force standardized on this back in 1718
and they're great points where

0:41:59 06:42:00 PM one is global. Right. So their trucks are everywhere moving
all the time. So it's hard to

0:42:04 06:42:05 PM Have a station mounted system. And they've done, you
know, they have 25,000 trucks or

0:42:11 06:42:12 PM 2500 trucks globally.

0:42:13 06:42:14 PM 3500 somewhere around that range. Every new truck
they're buying, I think there's 80 right

0:42:17 06:42:18 PM now, FY25 that will all have our system. We go right to the
builder and do the

0:42:22 06:42:23 PM installation. It's our factory direct. We don't ever
subcontract.

0:42:26 06:42:27 PM Even if it's, you know, overseas being built. We go there,
we go anywhere in the world. So

0:42:32 06:42:33 PM other ones, Orange county, actually. Orange County,
Florida, another real big one or two

0:42:37 06:42:38 PM and 347 fleet vehicles with it. So those are a couple huge
ones.

0:42:44 06:42:45 PM We had tons of others. A lot of airports. So vertical stacks
too for us. I don't know you

0:42:49 06:42:50 PM have vertical stacks, but our airport had a lot of vertical
stacks. If you did the track

0:42:53 06:42:54 PM system, kind of like a shark fin on a tailpipe.

0:42:56 06:42:57 PM You got to kind of line it up and make track to try to keep it
straight. Just harder.

0:43:01 06:43:02 PM Again, being completely vehicle mounted, not having to
attach it anything to station or

0:43:06 06:43:07 PM structure just makes it so much easier. So that's, you know,
I'd love to actually turn

0:43:12 06:43:13 PM over you guys to ask me the questions.

0:43:14 06:43:15 PM Yeah.

0:43:14 06:43:15 PM Does anybody have any questions? A couple questions,
sure. You presented this to the epa?

0:43:23 06:43:24 PM It's not. We absolutely met with epa.

0:43:26 06:43:27 PM I do EPA systems. I verify technology. This will never be a
verified technology. One we

0:43:31 06:43:32 PM have a diverter valve so it's not engaged all the time from
the standard nose phone. And

0:43:36 06:43:37 PM then we go after the after treatment device.

0:43:38 06:43:39 PM And don't touch anything with the EPA side of things.
That's beyond the epa. It's Oceanias

0:43:43 06:43:44 PM for running a diesel engine inside a building or running
around employees that you're

0:43:48 06:43:49 PM paying.

0:43:49 06:43:50 PM Have you done anything with the Society of Automotive
Engineers?

0:43:53 06:43:54 PM Yeah, I go to their.

0:43:54 06:43:55 PM You know, Corning Incorporated is, you know, that's where who makes a lot of ceramics.

0:43:59 06:44:00 PM Do you have a white paper on. On that?

0:44:01 06:44:02 PM Yeah, we do. We've published a lot of documents in a PDLR testing.

0:44:06 06:44:07 PM And you have that and it's been around again. We've been doing this since the 80s.

0:44:11 06:44:12 PM I know emissions in the 80s compared to today. You know, newer cars get cleaned up pretty

0:44:19 06:44:20 PM good with the new technology.

0:44:21 06:44:22 PM Separate things.

0:44:22 06:44:23 PM So oceaniosh don't look at the same constituents. You know what I mean by constituents?

0:44:28 06:44:29 PM The exhaust breakdown. The chemicals and gases that are in the exhaust. Greenhouse gases

0:44:33 06:44:34 PM aren't necessarily health and safety gases.

0:44:36 06:44:37 PM They're about ozone depleting agents. So there's a difference There. So they're not

0:44:40 06:44:41 PM testing the same things. EPA looks at different things than what Ocean iosh look at.

0:44:46 06:44:47 PM You're held to ocean Iosh.

0:44:48 06:44:49 PM Fire is exempt from epa. You could take that, you could take the systems off on an after

0:44:54 06:44:55 PM treatment device. No engine manufacturer is going to make engines just for fire because

0:44:59 06:45:00 PM there's so few of them. Cummins, you know, if they, if you could buy a Cummins engine

0:45:05 06:45:06 PM without the after treatment, you'd save a lot of money. And it's a misfit for the fire.

0:45:08 06:45:09 PM You have to come to temperature before that actual system is oxidizing and working

0:45:14 06:45:15 PM compared. So anything that has a diesel emission fluid, the death system, you know what

0:45:20 06:45:21 PM that is, right? So that's basically, it's ammonia and water called urea. So it's called

0:45:28 06:45:29 PM ammonia slippage across the catalyst at low temperature. You're actually emitting ammonia

0:45:33 06:45:34 PM through that before it gets to temperature.

0:45:35 06:45:36 PM You're never getting it to optimum temperature. You're running for a few seconds, few

0:45:39 06:45:40 PM minutes, 10 minutes. So you're not at optimum temperature. That's designed for over the

0:45:43 06:45:44 PM road trucks, for highway trucks that drive. And we do those systems as well.

0:45:49 06:45:50 PM Total different regulation, total different purpose.

0:45:58 06:45:59 PM So there's no tier one suppliers that's taking a look at this technology and incorporating

0:46:03 06:46:04 PM it with new cars.

0:46:07 06:46:08 PM We own the technology, we don't.
0:46:09 06:46:10 PM Right, but you haven't presented that to like Toyota or Ford to say, hey, this works so
0:46:17 06:46:18 PM good. Why don't you put it on every vehicle?
0:46:19 06:46:20 PM They wouldn't pay the price.
0:46:21 06:46:22 PM It's got way more other stuff in it you're already doing that for. And it's different
0:46:25 06:46:26 PM constituents. They're not looking at running a car inside a building. That's not their
0:46:30 06:46:31 PM focus. Their focus is automotive, is to make masses, not niches.
0:46:37 06:46:38 PM And the pricing and the structures that they deal with are totally different than.
0:46:40 06:46:41 PM What we're looking for.
0:46:41 06:46:42 PM We're trying to keep firefighters safe. We're trying to stop them from having to have all
0:46:45 06:46:46 PM these issues from, you know, having soot in their cereal or on their toast and in their
0:46:50 06:46:51 PM sleeping quarters. You know, you can't even see this.
0:46:53 06:46:54 PM It's smaller. One of the pictures in there, if you look at, you know what sub micron level
0:46:58 06:46:59 PM is you, it shows a picture of one strand of hair and then shows how far down below that
0:47:05 06:47:06 PM the sub micron is.
0:47:09 06:47:10 PM I hope you don't have. One of my biggest things sometimes when I do this, if they have ice
0:47:14 06:47:15 PM machines in the bays, I hope you don't because I'll take A cup of ice, put it in here,
0:47:19 06:47:20 PM then you do your presentation and afterwards you'll see there's a. I shouldn't laugh.
0:47:25 06:47:26 PM There's. There's a sheen across the top of that.
0:47:27 06:47:28 PM Ice machines are not, they don't have filters in it for that kind of stuff. You should
0:47:31 06:47:32 PM never have ice machines in your base because a lot of times, especially volunteer
0:47:35 06:47:36 PM departments, you go and fill for the family picnic on the weekend or for your own
0:47:39 06:47:40 PM picnics. Right. For the department. That's just one little thing.
0:47:42 06:47:43 PM I don't know if you guys have ever heard of the Lavender river before. LEMNESF Best
0:47:46 06:47:47 PM Practices for Firefighter Cancer Prevention. We're doing a webinar Tomorrow actually at
0:47:51 06:47:52 PM 2:00, 1:00 Eastern with NBSC and IFC on cancer prevention. I actually shared that it's a
0:48:00 06:48:01 PM national program on firefighter cancer prevention. I wrote the chapter on apparatus.
0:48:05 06:48:06 PM Actually ends up with apparatus and with annual physicals.

0:48:12 So, you know, that goes into
06:48:13 PM great detail. Cancer prevention and not just exhaust. I mean
everything. Cleaning,
0:48:17 06:48:18 PM shower, an hour, you know, a lot of statistics.
0:48:21 06:48:22 PM The really important things that don't cost money that you
guys should be doing, hopefully
0:48:24 06:48:25 PM you're doing every single day.
0:48:29 06:48:30 PM I have no other questions. Okay.
0:48:33 06:48:34 PM Just so I understand the system, you start the apparatus up,
you pull it out. Then when it
0:48:40 06:48:41 PM reaches a certain temperature, it cuts off. No, it's a timer.
0:48:44 06:48:45 PM So the standard bale spoke on old trucks, pre 07 trucks is
that it's a timer. It's not a.
0:48:50 06:48:51 PM It's not a temperature gauge. It's a timer period set long
enough to get out of the
0:48:54 06:48:55 PM station and that'll divert back anything 07 and newer, which
the majority of years are.
0:49:00 06:49:01 PM It's always on.
0:49:01 06:49:02 PM You never have to do anything. Always on. You never turn
it on or off. And it's always
0:49:05 06:49:06 PM working.
0:49:06 06:49:07 PM No matter what temperature, no matter if.
0:49:09 06:49:10 PM You get on the scene and you're.
0:49:10 06:49:11 PM Using it at a higher RPM, doesn't.
0:49:12 06:49:13 PM Do any less back pressure than a 90 degree angle because
it's a flow through. If you
0:49:16 06:49:17 PM remember, it showed the stray channels and it just has
platinum, plodium and other
0:49:21 06:49:22 PM compounds that are in that filter substrate. It's more of a
metallic substrate and it
0:49:27 06:49:28 PM oxidizes instead of capturing it like the ceramic would
capture.
0:49:31 06:49:32 PM That's why you have to change those. This actually
oxidizes, doesn't affect the
0:49:35 06:49:36 PM performance of the engine. Right. Or not at all. Less than a
90 degree elbow.
0:49:42 06:49:43 PM Well, if the air force is using.
0:49:44 06:49:45 PM Them, I'm okay with it. And you guys actually Talked to
the Fred Tiering is one of the
0:49:51 06:49:52 PM references. He was on a conference call with you guys and
he just retired but he is. He
0:49:57 06:49:58 PM was in charge of afcac.
0:50:00 06:50:01 PM He was in charge of the entire United States fire assets for
the United States Air Force
0:50:05 06:50:06 PM Global. And that's who was on a phone call with you. I
don't know if you were on that
0:50:09 06:50:10 PM call or not, but some of the EPA questions, some of the
things were asked during that

0:50:14 06:50:15 PM time period and he point blank answered very clearly too. What I mean the rigorous how

0:50:19 06:50:20 PM much the air force and DoD went through doing this. Air Force, Navy, Marines, Canadian

0:50:25 06:50:26 PM National Defense, Netherlands.

0:50:26 06:50:27 PM Several tornadoes standardized since 2017.

0:50:33 06:50:34 PM Okay. Well thank you so much. More information than I never I ever thought I'd have.

0:50:38 06:50:39 PM I tried to talk fast just here too. I'm just second day on steroids.

0:50:42 06:50:43 PM I've had a horrible s. I've got a cough drop.

0:50:46 06:50:47 PM You good. I heard that.

0:50:49 06:50:50 PM Sorry about that.

0:50:50 06:50:51 PM Thank you.

0:50:51 06:50:52 PM Appreciate your time.

0:50:52 06:50:53 PM Really specific. But I want to make sure I answered all those clear enough for tonight.

0:50:57 06:50:58 PM Available to after the fact.

0:50:59 06:51:00 PM What's that?

0:51:00 06:51:01 PM I'm always available to get you some more documents or any other information.

0:51:04 06:51:05 PM Appreciate.

0:51:05 06:51:06 PM Never hesitate to reach out to us.

0:51:07 06:51:08 PM All right.

0:51:07 06:51:08 PM Thank you. Thank you.

0:51:09 06:51:10 PM Thank you everybody. And again honored to be here. Really appreciate it.

0:51:12 06:51:13 PM Love to work with you. Okay. Thank you.

0:51:18 06:51:19 PM Do I do public comments on non business agenda items. Should I just mention that again?

0:51:24 06:51:25 PM Yes sir. Public comments on non business agenda items. Note.

0:51:28 06:51:29 PM Any member of the public will have up to three minutes to make public comments on any non

0:51:33 06:51:34 PM business agenda item. Topics. This is the time for public comment on non business agenda

0:51:39 06:51:40 PM items. Any public comment.

0:51:44 06:51:45 PM Okay, I think they're good. Okay, now's the time for commissioner comments on non business

0:51:50 06:51:51 PM agenda items.”

b. Public input: None.

c. Board action: No board action required.

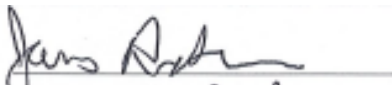
Public Comments on Non-Business Agenda Items: None. [Note: Any member of the public will have up to three (3) minutes to make public comments on any non-business agenda item topics.]

Commissioner Comments on Non-Business Agenda Items: None.

Commissioner Comments on Non-Business Agenda Items: Commissioner Allen expresses his appreciation to Attorney Pringle and Fire Chief Comer for their onboarding discussion meeting, that it shared valuable information.

Commissioner Barbosa discusses hydrant maintenance, Deputy Chief Aquil answers questions related to this inquiry.

Adjournment: A motion to adjourn was made by Commissioner McCoy, with a second from Commissioner Allen ...Motion carried. Call and question, all in favor aye. 6:55pm.

Signed: 
Print Name: JAMES ANDERSEN