

CITY COUNCIL  
CITY OF NEW YORK

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TRANSCRIPT OF THE MINUTES

Of the

COMMITTEE ON HOUSING AND BUILDINGS

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October 24, 2013  
Start: 1:13 p.m.  
Recess: 4:05 p.m.

HELD AT: Council Chambers  
250 Broadway-Committee Room  
16th Fl

B E F O R E:  
ERIK MARTIN DILAN  
Chairperson

COUNCIL MEMBERS:  
Elizabeth Crowley  
Eric Ulrich  
G. Oliver Koppell  
Letitia James  
Gale A. Brewer  
Melissa Mark-Viverito  
Brad Lander  
Jumaane D. Williams  
Rosie Mendez  
Robert Jackson

## A P P E A R A N C E S (CONTINUED)

Donald Ranshte  
Director  
Intergovernmental Affairs and  
Executive Analytics  
NYC Department of Buildings

Thomas Jensen  
Chief of Fire Protection  
FDNY

John Caufield  
Mid-Atlantic Regional Director  
NFPA

Donald Gottfried  
Senior Electrical Engineer  
NYC Department of Buildings

Frank Ricci  
Director, Government Affairs  
RSA of NYC

Dean Dennis  
Father of Fire Victim

Skip Walker  
Home Inspector  
Walker Property Evaluation  
Services

Russell Ashe  
Deputy Chief of Fire Operations  
Barre City, VT Fire Department

2 CHAIRPERSON DILAN: If everyone can  
3 just take their cell phones and shut them off  
4 with the silent, 'cause private conversations  
5 can happen outside of the chamber, and if anyone  
6 is here to testify on any of the items on  
7 today's agenda, if they could please see the  
8 Sergeant-at-Arms and fill out an appearance card  
9 before they give their testimony; otherwise we  
10 won't know that you actually want to testify.  
11 Also indicate which legislative item you wish to  
12 testify, either in favor or in opposition to.  
13 Sergeant, with that, are we ready?

14 Alright, so I'd like to [gavel] call  
15 this hearing to order and good afternoon. My  
16 name is Erik Martin Dilan. I'm the Chairperson  
17 of the City Council's Housing and Buildings  
18 Committee, and today I'm joined by some of my  
19 colleagues. Some are members of the committee;  
20 some are not. To my immediate left; your right,  
21 Council Member Elizabeth Crowley, to my right is  
22 Council Member Eric Ulrich of Queens, as well as  
23 Council Member Oliver Koppell of the Bronx. So,  
24 today the committee will be holding an initial  
25 hearing on three items, all of which will be

2 tabled at the end of the proceedings as we are  
3 not voting them in today, the first of which is  
4 Introduction 773, which we will hear first  
5 exclusively so that we have a better flow of the  
6 hearing, and this would allow plumbers meeting  
7 certain standards to register as quote unquote  
8 "economically friendly plumbers" with the  
9 Department of Buildings, that's sponsored by my  
10 colleague, Oliver Koppell. Then the second  
11 portion of the hearing we'll hear two separate  
12 bills, the second of which is Introduction 865,  
13 which is sponsored by my colleague, Elizabeth  
14 Crowley, and that would require that smoke  
15 alarms use a specific photoelectric sensor and  
16 the bill would apply to smoke alarms that are  
17 installed in residential health care or  
18 detention spaces on or after, as of this  
19 writing, January 1st of 2013; that's got to be  
20 an error 'cause it'd be a little too late to do  
21 that, but... and the third is Introduction 1111,  
22 and that's introduced at the request of the  
23 Mayor and that would require that smoke alarms  
24 conform with certain technical standards and  
25 sets forward a date that they'd be periodically

2 placed, but it puts these smoke alarms more  
3 along a line of the same standards that we have  
4 for our carbon monoxide detectors, which means  
5 they have a hard wired battery; that'd be the  
6 key change in this law. As I said... this  
7 introduction's not yet law. As I said earlier,  
8 to keep things orderly, we're going to hear  
9 Intro 773 first, followed by the two smoke alarm  
10 bills. So we'll hear from the sponsor of the  
11 bill at this time on this item, Council Member  
12 Oliver Koppell, to give a brief opening  
13 statement on his item.

14 COUNCIL MEMBER KOPPELL: Good  
15 morning or good afternoon, I should say, Mr.  
16 Chairman and colleagues and everyone else who's  
17 here. This bill was introduced some time ago at  
18 the suggestion actually of some contractors who  
19 were complaining of unfair competition and  
20 misleading consumer information where some  
21 plumbers were claiming to be eco-friendly; that  
22 is ecologically-friendly and really were not  
23 following any standards that would recognize  
24 them as such. There are, incidentally, some  
25 standards. There's an International Association

2 for Plumbing and Mechanical Operators that does  
3 have standards with respect to operating in an  
4 ecologically-friendly manner. This bill  
5 requires the Building Department to approve a  
6 plumber as eco-friendly if they meet the  
7 standards that are set either by that  
8 organization or other standards set by the  
9 Building Department. It's simply a matter of  
10 appropriate consumer information and lack of  
11 misleading advertising by people who don't  
12 adhere to standards and it leaves the Building  
13 Department to set the standards.

14 I just read in the last couple of  
15 minutes, Mr. Chairman, the memorandum of the  
16 city, which appears to oppose the legislation.  
17 It's very peculiar actually, the memorandum,  
18 because the memorandum says that recently the  
19 department is actually establishing standards  
20 with respect to various contractors adhering to  
21 ecologically appropriate procedures and  
22 techniques. So since they're doing it already,  
23 it would seem to me this legislation would fit  
24 right into what they're doing. The memo doesn't  
25 seem to indicate that they're looking

2 particularly at plumbers, but as I say, it  
3 suggests the department's doing exactly what we  
4 want them to do. Since it doesn't particularly  
5 relate... what they're doing doesn't  
6 particularly relate to plumbers, I still think  
7 the legislation is frankly appropriate and it's  
8 quite open-ended; doesn't tell the department  
9 exactly what it has to do, but just ensures that  
10 people who are putting on their trucks and on  
11 their advertising material that they're green  
12 plumbers meet certain standards or not be able  
13 to advertise. So I think the legislation makes  
14 sense and is indeed consistent with what the  
15 department says they're just starting to do. We  
16 didn't know they were doing this when we drafted  
17 the legislation 'cause it's several years old,  
18 but as I say, it's consistent it seems to me  
19 with what the city's already doing and I hope  
20 the Committee feels the same way. Obviously, if  
21 the committee feels any amendment is  
22 appropriate, I'm happy to concur and in the  
23 committee... with the Committee Council's  
24 recommendations. I will wait and hear... are  
25 we... I assume we're going to hear from the city

2 promptly and I'll certainly wait to hear their  
3 comments, but frankly, their memo puzzles me.  
4 But thank you for hearing the bill, Mr.  
5 Chairman, and I hope we might be able to move it  
6 before the end of the current session.

7 CHAIRPERSON DILAN: And today is the  
8 first step in that process. We've also been  
9 joined by Council Member Letitia James I guess  
10 for the next few months, as many of you...

11 [crosstalk]

12 COUNCIL MEMBER JAMES: Weeks.

13 CHAIRPERSON DILAN: Know or weeks.  
14 [laughter] As many of you know she'll be the  
15 city's next Public Advocate and it'll be my  
16 first chance to congratulate her in public on  
17 winning the Democratic nomination.

18 COUNCIL MEMBER JAMES: Thank you.

19 CHAIRPERSON DILAN: And I'm certain  
20 that she'll win the nomination... or she'll win  
21 the election in November and become...  
22 [laughter] Well, if you're staging something  
23 then... [laughter] Alright, so with that, we  
24 will hear... and we will hear from the  
25 Department of Buildings on this item and then



2 Council Member Crowley will get a chance to do  
3 her introduction on her item when we move to  
4 that point in the hearing. I also have to do  
5 the same for the next incoming Borough President  
6 of Manhattan, Gale Brewer, who is also here that  
7 I acknowledge and get a chance to thank you...  
8 or congratulate you publicly on your victorious  
9 election, and I know you'll be a great Borough  
10 President 'cause you already know everybody in  
11 the borough. [laughter] So, congratulations to  
12 you too. I'm proud of you both, and we'll hear  
13 from the Buildings Department.

14 DONALD RANSHTTE: Good afternoon,  
15 Chairman Dilan and members of the committee.  
16 I'm Donald Ranshte. I'm Director of  
17 Intergovernmental Affairs and Executive  
18 Analytics for the Buildings Department. Thank  
19 you for allowing me the opportunity to testify  
20 on this legislation, which would create a  
21 registration of certain licensees of the  
22 department as eco-friendly. This bill will  
23 amend the Administrative Code of the city by  
24 adding Article 421 to Chapter IV of Title 25  
25 titled Eco-friendly plumber registration. On

2 its surface, we find that the legislation is  
3 problematic and we are also uncertain as to its  
4 intended scope. The goals of the bill are  
5 already being addressed through a program that  
6 the department is piloting called Sustainable  
7 Contractor Designation Program. In talking  
8 about the specifics of the bill, it would  
9 require the department to set forth standards  
10 for plumbers that are to be designated eco-  
11 friendly, a term that does not appear to be  
12 defined with any industry or national standards.  
13 Also, in Section 28-421.1, we are troubled by  
14 the undefined term progressive understanding,  
15 something that we wouldn't be looking to tackle  
16 at this time.

17 We are thankful for the opportunity  
18 to discuss our Department Initiative, which we  
19 believe currently addresses some of the issues  
20 identified by this legislation. The Sustainable  
21 Contractor Designation Program is a recent  
22 Department Initiative that recognizes those  
23 individuals who are working to meet today's  
24 increased demand for new, green technologies and  
25 reduce the city's carbon footprint. The program

2 identifies contractors who demonstrate knowledge  
3 in sustainable practices through accredited  
4 third party certifications or credential  
5 programs. Contractors who choose to participate  
6 in the program agree to promote the use of green  
7 technologies to their customers and report those  
8 activities to the department. Additionally, the  
9 program allows consumers to search for and  
10 identify contractors with expertise in green  
11 practices. Currently, general contractors,  
12 master and special electricians and master  
13 plumbers can participate in our program.

14           How does one, a licensee of the  
15 department, currently become a Sustainable  
16 Contractor? To apply for Sustainable Contractor  
17 Designation, you must have an electronic copy of  
18 your certificate ready to upload to the  
19 Department; you have an e-filing account with  
20 the Department as well. To obtain the  
21 Sustainable Contractor Designation, you must  
22 have one of the following active licenses or  
23 registrations: General Contractor Registration,  
24 Master or Special Electrician or Master Plumber  
25 and have current insurance information.

2 Finally, to obtain Sustainable Contractor  
3 Designation as a plumber, you must have at least  
4 one certification or credential from one of the  
5 following accredited organizations: American  
6 Society of Heating, Refrigeration and Air  
7 Conditioning Engineers, Green Advantage, North  
8 American Board of Certified Energy  
9 Practitioners, Passive House Institute U.S.,  
10 U.S. Green Building Council and Urban Green  
11 Council of New York. Once all these criteria  
12 are met, the designation is posted on our  
13 internet site under the license number of the  
14 designee. At this time, the department believes  
15 that continuing to develop our current  
16 Sustainable Contractor Designation Program,  
17 rather than creating a new regulatory scheme  
18 setting forth new standards for eco-friendly  
19 registrations in the department, is the best way  
20 to achieve the bill's stated goals. We note  
21 that if there are additional third party  
22 organizations, and I believe one is mentioned in  
23 the bill, that wish to participate in our  
24 designation program as it currently exists, we  
25 are open to accepting them.

2           At this time, I thank you for our  
3 opportunity to submit testimony on Intro 733,  
4 and I would be happy to answer any questions you  
5 may have.

6           CHAIRPERSON DILAN: Yeah, I'm just  
7 going to go briefly, and then we'll lead with  
8 Council Member Koppell and any other members  
9 that have questions on this item specifically.  
10 Even though your memo says that you're opposed  
11 to the legislation, I have to believe the  
12 opposition is to the way the legislation is  
13 written in its current form because conceptually  
14 you don't sound too far apart. I mean I did  
15 take it in your statement that you'd rather see  
16 no law passed at all and have the department's  
17 program go forward, and the department's program  
18 seems to address more than just the plumbing  
19 industry, which is good, but from what I heard  
20 in Council Member Koppell's opening statement  
21 was that he was trying to address what seemed to  
22 be like more of a Consumer Affairs issue as  
23 people posing themselves as quote unquote "eco-  
24 friendly plumbing contractors," when indeed  
25 there is no standard that makes them such. So I

2 guess speak to those differences; the reasons  
3 why... you spoke to why you don't like  
4 legislation, but I guess if you could speak to  
5 his original statement about what some plumbers  
6 may or may not be doing in their every day  
7 practices as posing as eco-friendly. If you  
8 could speak to that as it relates to the  
9 legislation that'd be great.

10 DONALD RANSHTTE: Certainly. I think  
11 the first part of your question about whether or  
12 not we want to codify through legislation either  
13 what is intended by the bill or what we're doing  
14 with our Sustainable Contractor Program, we're  
15 not against that. What we... the difference  
16 that we see in the nuance in what both you and  
17 Councilman Koppell had mentioned earlier is that  
18 the certification is achieved by the licensee of  
19 the department through a third party nationally  
20 accredited organization, okay, so we believe  
21 that the bill is asking us to set forth what the  
22 criteria for the certifications would be and set  
23 forth I guess some sort of curriculum and/or the  
24 criteria that would need to be met to gain that  
25 certification or registration in this case by

2 the department. We think that the terms eco-  
3 friendly progressive understanding of  
4 environmentally conscious practices are out of  
5 the realm of what we could come up with in  
6 short-term. We looked around and we haven't  
7 found national standards. Each of the  
8 organizations that I mentioned in our testimony  
9 that we accept the certifications of has a  
10 different premise and different curriculum for  
11 what their certifications offers those licensees  
12 of the department. So what we're saying is by  
13 having the designation program in its current  
14 form is that a licensee of our department has  
15 gone out on their own and gotten additional  
16 certification beyond the qualifications to be a  
17 licensee of the department and we designate them  
18 on our website with a stamp that says if you are  
19 a homeowner or someone who is looking to use  
20 this licensee because they have this eco-  
21 friendly designation Sustainable Contractor  
22 Designation, you can go to the organization or  
23 body that gave them the certification and see  
24 what those criteria are that that licensee that  
25 you are going to hire would meet as they do work

2 in your home or business or building, and that's  
3 the difference. It's sort of nuanced, but I  
4 believe that at this time, we are really only  
5 offering that the licensee of the department has  
6 a certification beyond the qualifications that  
7 give them the license.

8 CHAIRPERSON DILAN: Alright and just  
9 I guess briefly explain your objection again on  
10 the progressive standard that you wouldn't be  
11 able to address at this time, as you said in  
12 your testimony.

13 DONALD RANSHTTE: So the bill says  
14 eco-friendly progressive understanding of  
15 environmental friendly practices. We've looked  
16 around. We can't find that there is a standard  
17 either in the industry or in these organizations  
18 across the country and New York City and state  
19 that define those terms, you know, and as the  
20 organization that regulates the building code,  
21 we are uncertain that we would be able to set  
22 that standard at this time.

23 CHAIRPERSON DILAN: Okay and then  
24 lastly, just in your understanding of the bill,  
25 would this bill have any effect on who's



2 authorized to do plumbing work in New York City,  
3 and if so, what would that be?

4 DONALD RANSHTTE: If I understand  
5 your question correctly, Chairman, we would have  
6 to under the terms of the bill recognize any  
7 plumber who has this designation.

8 CHAIRPERSON DILAN: [interposing]  
9 Well, let me clarify...

10 DONALD RANSHTTE: [interpose] Okay.

11 CHAIRPERSON DILAN: The question. I  
12 guess is there anything in this bill that would  
13 I guess circumvent the current standards that  
14 you have on plumbing qualifications in New York  
15 City? So if somebody wanted to operate under  
16 these eco-friendly standards, they would have  
17 to... I just want to make sure that the  
18 department's understanding is the same. I  
19 believe I have the understanding of it, but they  
20 would have to go through the normal channels to  
21 get their plumbing license and then if they  
22 wanted to be considered quote unquote "eco-  
23 friendly," they would have to reach higher and  
24 get a different set of standards that would make

2 them quote unquote "eco-friendly." Is that your  
3 understanding of it?

4 DONALD RANSHTTE: That is absolutely  
5 correct. Yeah, the qualifications for obtaining  
6 a license to be a master plumber in New York  
7 City is spelled out in the Building Code and  
8 would not change. This would be a further  
9 designation; certification; registration,  
10 whichever term you want to use.

11 CHAIRPERSON DILAN: Thank you.  
12 Council Member Koppell?

13 COUNCIL MEMBER KOPPELL: Yeah,  
14 frankly, I'm still somewhat confused as to your  
15 opposition 'cause it seems consistent, but if we  
16 look at the first Section 28-421.1, you have a  
17 problem with the term progressive understanding,  
18 proficiency and competence and I'm not... I  
19 think what your problem is with the work  
20 progressive. If we took the word progressive  
21 out and we just said, "it shall reflect  
22 understanding, proficiency and competence in the  
23 plumbing trade regarding the use of eco-friendly  
24 methods and supplies," does that... is that in  
25 any way confusing? Maybe the word progressive

2 is a little ambiguous. I think by progressive  
3 we meant up to date, but let's say we take that  
4 out. Isn't that sort of obvious that in order  
5 to be an eco-friendly contractor you have to  
6 have an understanding, proficiency and  
7 competence regarding the use of eco-friendly  
8 methods and supplies?

9 DONALD RANSHTTE: I think I tend to  
10 agree with you, Councilman. It's certainly by  
11 not qualifying what an understanding is. You  
12 either have the understanding or you do not have  
13 the understanding, so that would definitely  
14 clarify that portion of it. I think that still  
15 at its root we're grappling with whether or not  
16 those standards are something that we could  
17 quantify and then hold someone accountable to.

18 COUNCIL MEMBER KOPPELL: Well, let  
19 me ask you this. Have you looked at the  
20 standards created by the International  
21 Association for Plumbing and Mechanical  
22 Operators that we make reference to? Have you  
23 looked at those?

24 DONALD RANSHTTE: We have, yes.

2 COUNCIL MEMBER KOPPELL: And do  
3 those make sense?

4 DONALD RANSHTTE: They make sense in  
5 so far as all of the other organizations that  
6 we've looked at and you can get a certification  
7 in do. They're not our standards and what the  
8 licensee is saying is that they would uphold the  
9 standards of that certification. That's why I  
10 offer in our testimony that if that  
11 organization, which currently doesn't  
12 participate in the Sustainable Contractor  
13 Program, would like to, we would certainly have  
14 them.

15 COUNCIL MEMBER KOPPELL: Let me say,  
16 the bill is open-ended. You can require  
17 anything you want in creating this certification  
18 program, so I... and again, I... it's completely  
19 open-ended. The Building Department can do  
20 whatever it wants in terms of certifying or  
21 licensing the people as eco-friendly. The idea  
22 here is whatever tests you think you deem  
23 appropriate can be applied under the terms of  
24 this bill. It's just that you have to establish  
25 standards, which you say you're doing anyway.

2 I'm not sure that I would be satisfied, to be  
3 honest, with what you're saying you're doing  
4 'cause all you're saying is that the plumber has  
5 this certification. I think that it might be  
6 wise if you're certifying a business not only to  
7 require the certification of the plumber, but  
8 also some evidence that they're following  
9 certain procedures and methods, but the bill  
10 does... leaves that open. I think it would be a  
11 good thing. I frankly think your program may be  
12 somewhat limited in its scope, but if that's all  
13 you want to do, fine; you or your successors,  
14 whatever. The idea here is to have a specific  
15 program because right now if you look around the  
16 city you see trucks from plumbers and they say  
17 we're green plumbers or we're eco-friendly  
18 plumbers, and there are no standards for that  
19 and what... what the bill suggests is there  
20 should be standards. Anyway, Mr. Chairman, I  
21 think... I'm certainly happy to look at  
22 amendments to language and I think the word  
23 progressive may in fact be a little bit vague  
24 and maybe should be taken out. Aside from that,  
25 I think the bill makes sense.

2 CHAIRPERSON DILAN: Just from my  
3 observation, it looks like there is room to have  
4 some discussion where we can make it where one,  
5 the legislation is a little tighter in terms of  
6 what the scope is, and the open-endedness of the  
7 bill could very well be an issue with the people  
8 that review the legislation at the Buildings  
9 Department. That could be an issue as well, but  
10 it sounds like the intent of what both the  
11 Council Member and the agency is trying to do is  
12 not that far off. It looks like they just  
13 disagree on language, so I guess at some point  
14 we'll be in contact with the department and with  
15 Council Member Koppell to see if we can hash  
16 this out and see if there's a path forward.  
17 Council Member Brewer.

18 COUNCIL MEMBER BREWER: I just have  
19 one question. The groups that are assigned to,  
20 I guess, who make the determination; those  
21 listings that you gave us; those groups, so who  
22 supervises their programs to be sure that  
23 they're doing you know, like the American  
24 Society... whatever? Who makes sure that  
25 they're doing the right thing to make sure that

2 they're teaching like the U.S. Green Building  
3 Council? I know them, but are they going to  
4 teach when they... so that when they give  
5 accreditation it means something? That's what I  
6 don't know.

7 DONALD RANSHTTE: And I think that,  
8 Councilwoman, that's the question at the heart of  
9 our discussion...

10 [crosstalk]

11 COUNCIL MEMBER BREWER: Right.

12 DONALD RANSHTTE: Here today.

13 COUNCIL MEMBER BREWER: That's  
14 right.

15 DONALD RANSHTTE: We are not  
16 endorsing their curriculum.

17 COUNCIL MEMBER BREWER: I know.

18 DONALD RANSHTTE: We are only saying  
19 to a potential... someone who is going to hire a  
20 licensee of the department; that that person who  
21 you're going to hire who has a license from the  
22 department and is fully licensed to do the type  
23 of work that you are asking them to do also has  
24 a separate accreditation or certification that  
25 we do not endorse.

2 COUNCIL MEMBER BREWER: Okay, but I  
3 don't... it's a little iffy. I'm just saying  
4 it... I mean these groups may be good, but who  
5 knows if they're doing a good thing? I mean I'm  
6 just saying. It's like the same problem we had  
7 with my bed bug exterminators, right?

8 DONALD RANSHTTE: Mm-hm.

9 COUNCIL MEMBER BREWER: We didn't  
10 know that whatever they got would teach them  
11 about bed bugs. You know, they knew about  
12 cockroaches, but they didn't always know about  
13 bed bugs, so we had that same problem and I  
14 don't know that we solved it; we tried, so...  
15 'cause we gave them... the Department of health  
16 gives them some kind of criteria. It was hard.  
17 So I'm just saying that's why I think there's a  
18 challenge here because the groups that... the  
19 companies that... you know you don't... we had  
20 fly-by-night bed bug exterminators and they were  
21 in competition with the ones who really knew  
22 what they were doing and we had that same issue  
23 of what makes it an exterminator who really  
24 understands the process 'cause the state doesn't  
25 do that. They just give you pest control and go



2 for it, so I don't know. You can't... is there  
3 anybody who could have some kind of  
4 accreditation of these groups or something to  
5 show that they're really doing...

6 DONALD RANSHTTE: [interposing] Sure,  
7 I think that's something that we can discuss  
8 and...

9 COUNCIL MEMBER BREWER:  
10 [interposing] Then that might be... that's not  
11 the heart of the problem. So you get a... I  
12 know the U.S. Green Building Council; the head  
13 of it used to be here with the City Council.  
14 He's excellent, but does he know about plumbing?  
15 I don't know, so et cetera. I think you need  
16 to... if you're going to... even if you're going  
17 to do your project on how you can work in  
18 Council Member Koppell I don't know, but I do  
19 think just 'cause somebody has U.S. Green  
20 Building Council doesn't mean they know about  
21 eco-green or whatever it's called eco. I just  
22 throw that out.

23 CHAIRPERSON DILAN: Yeah.

24 COUNCIL MEMBER KOPPELL: Mr.  
25 Chairman, if I might comment, sir, I think

2 Council Member Brewer is right on and that's why  
3 we don't limit the idea of certification here  
4 merely to having a certificate from one of these  
5 groups. We require that there be particular  
6 standards for plumbers. Now, there are  
7 standards that are there from the organizations  
8 we cite, but we don't say you have to adopt  
9 those standards. Obviously the Commissioner of  
10 Buildings should develop a series of criteria  
11 that will be applied to these plumbers and  
12 they'll have to show that they can meet those  
13 criteria and broadly, I think if you take the  
14 word progressive out, those criteria are what is  
15 stated in the bill and that's the idea, not to  
16 rely just on a certification from some  
17 organization, but to have the business show that  
18 they are following the procedures necessary to  
19 protect the environment.

20 DONALD RANSHTTE: Councilman, I think  
21 that's a conversation that we can continue to  
22 have with you and the Chair.

23 COUNCIL MEMBER KOPPELL: I mean I'd  
24 think that the Building Department would have to  
25 do a regular rulemaking and develop rules and

2 standards and have public hearing and comment.  
3 That's... that's... typically my experience has  
4 been that's a function of the agency, not of the  
5 legislature; not of the Council. We give the  
6 power to the Commissioner to set up rules to  
7 follow the idea that the green plumbers should  
8 get a specific designation. and Mr. Chairman,  
9 there's no intention here to stop anybody from  
10 being a plumber. If they have a regular plumber  
11 license they don't have to be a green plumber,  
12 but they shouldn't be able to advertise that  
13 they're a green plumber when they don't follow  
14 or meet certain standards. That's the only idea  
15 we're trying to get at. We're not trying to  
16 stop anybody from doing business.

17 CHAIRPERSON DILAN: Never said they  
18 were. I just...

19 COUNCIL MEMBER KOPPELL:  
20 [interposing] Right, good, I just want to make  
21 that clear.

22 CHAIPERSON DILAN: Yeah.

23 COUNCIL MEMBER KOPPELL: Okay, thank  
24 you.

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2 CHAIRPERSON DILAN: Okay, thank you.  
3 Any other members on this topic?

4 COUNCIL MEMBER BREWER: Later on  
5 you'll tell us the difference between a regular  
6 plumber and a green plumber, but not now.

7 CHAIRPERSON DILAN: Well, I think  
8 that's what he's trying to get at.

9 COUNCIL MEMBER BREWER: I know. I  
10 have no...

11 [crosstalk]

12 CHAIRPERSON DILAN: Is that, yeah.

13 [cross-talk]

14 COUNCIL MEMBER BREWER: Idea, but  
15 somebody will tell us.

16 CHAIRPERSON DILAN: With that, we  
17 just have one piece of testimony for the record  
18 on this item, and that's from the International  
19 Code Council from Dorothy Harris and that will  
20 be entered into the record as of read in full on  
21 this item, and that will conclude this part of  
22 the hearing. Mr. Ranshte, do you want to bring  
23 the Fire Department forward so we can begin?

24 [Pause]

25

2 CHAIRPERSON DILAN: We've been  
3 joined by Council Member Melissa Mark-Viverito  
4 of Manhattan and the Bronx.

5 [Pause]

6 COUNCIL MEMBER KOPPELL: While these  
7 people are getting ready, Mr. Chairman, I might  
8 note that that testimony is basically  
9 supportive, although they don't want to  
10 reference any specific standard. So it is  
11 supportive of the idea. Thank you.

12 [Pause]

13 CHAIRPERSON DILAN: Okay, at this  
14 time, I want to just give the dais to my  
15 colleague and the sponsor of this item, which is  
16 Elizabeth Crowley on 865, and I spoke on 111 at  
17 the outset. I won't do it again, so Council  
18 Member Crowley.

19 COUNCIL MEMBER CROWLEY: Good  
20 afternoon. I want to thank my colleague and  
21 chairman, Council Member Erik Dilan, for hearing  
22 these two smoke detector bills today. I am  
23 Elizabeth Crowley, as he said, and I chair the  
24 Fire Committee here at the City Council. I  
25 introduced the Photoelectric Smoke Detector

2 Bill, which would require the use of  
3 photoelectric smoke detectors in residential and  
4 institutional buildings throughout New York City  
5 because I believe the evidence shows that the  
6 chances of surviving a fire condition are  
7 infinitely better if you have a photoelectric  
8 smoke detector in your home as opposed to a more  
9 commonly used ionization detector. This is  
10 because photoelectric smoke detectors detect  
11 smoke up to a half an hour or more before  
12 ionization detectors do and photoelectric smoke  
13 detectors are much less susceptible to nuisance  
14 alarms caused by cooking, smoke or shower steam.

15           The New York City Fire Department  
16 estimates that more than one-third of homes in  
17 New York City have inoperable smoke alarms or  
18 detectors because the batteries have been  
19 removed in order to eliminate just the nuisance  
20 alarms. Moreover, ionization detectors have  
21 been shown to have a greater than 50 percent  
22 failure rate in smoldering fires, which most  
23 often occurs at night while occupants are asleep  
24 and therefore, are more likely to result in fire  
25 fatalities.

2 Chances are that the vast majority  
3 of the people here today in this room or  
4 watching this hearing have only smoke detectors  
5 in their homes that are ionization detectors and  
6 that's why I've introduced this bill. In each  
7 of the last years in the City Council we've had  
8 approximately 66... in the city of New York  
9 we've had approximately 66 civilian fire  
10 fatalities. Requiring the use of photoelectric  
11 smoke detectors would greatly reduce this  
12 number. The state of Massachusetts, Vermont and  
13 Maine and many cities in California and Ohio and  
14 even Boston have all passed photoelectric smoke  
15 detector legislation. In the years since  
16 Boston's Photoelectric Smoke Detector Law went  
17 into effect the number of fire fatalities  
18 decreased in dramatic rates.

19 I have discussed this legislation  
20 with the FDNY Chief of Fire Protection, Chief  
21 Thomas Jenson, who is here today to testify. I  
22 thank him for his attention to the issue. I'd  
23 also like to let the experts know that there are  
24 people from all around the country who are here  
25 to testify from California, Ohio, Vermont and

2 others from as far away as Australia have  
3 submitted testimony. All the testimonies  
4 whether given in person or submitted  
5 electronically will be included in the record  
6 and made available on the Council's website. I  
7 thank all the people who are here today who are  
8 advocating on this subject and I look forward to  
9 hearing and reviewing the testimony today to  
10 further evaluate this information. Thank you.

11 CHAIRPERSON DILAN: Thank you,  
12 Council Member Crowley. Chief Jensen, welcome.  
13 I guess you can begin your testimony on both  
14 legislative items, both 111 and 865, and you can  
15 introduce the other members of the panel, who  
16 have joined you.

17 CHIEF JENSEN: Okay, thank you.  
18 With me is John Caufield from the NFPA and  
19 representative Donald Gottfried from the  
20 Building Department. Yes, sir?

21 DONALD RANSHTTE: Donald Ranshte.

22 CHIEF JENSEN: Donald. Okay, good  
23 afternoon, Chairman Dilan and members of the  
24 Council. I am Tom Jenson and I am the Chief in  
25 Charge of the Bureau of Fire Prevention for the



2 New York City Fire Department. Thank you for  
3 the opportunity to speak with you today about  
4 two bills that amend a New York City Building  
5 Code relating to smoke detectors. We support  
6 Intro 1111, which would require owners to  
7 replace smoke detectors when they exceed the  
8 manufacturer's suggested useful life and also  
9 require newly installed alarms be equipped with  
10 an audible end of life warning device.

11 We oppose Intro 865, which would  
12 require photoelectric smoke detectors in  
13 residential buildings and occupancies such as  
14 nursing homes, hospitals and hotels. The FDNY  
15 appreciates the Council's concerns regarding  
16 fire safety and your efforts to increase  
17 awareness about the fire detection technologies  
18 available on the market. As you may be aware,  
19 Local Law 75 of 2011 required periodic  
20 replacement of carbon monoxide detectors in  
21 dwellings upon the expiration of the  
22 manufacturer's suggested useful life. That  
23 Local Law did not include smoke detectors, so  
24 Intro 1111 closes the loop regarding replacing  
25 out of date devices. With this bill, non-

2 working smoke alarms, as with CO detectors, will  
3 have to be replaced and newly installed alarms  
4 will have to be equipped with audible end of  
5 life warning signals. The Fire Department  
6 strongly supports this bill. It carries out the  
7 intent of NFPA 72, which provides that smoke  
8 alarms be replaced after 10 years and will help  
9 to save lives. In accordance with Local Law 26  
10 of 2008, the Fire Department is in the process  
11 of drafting legislation to update the city's  
12 Fire Code to reflect current fire safety  
13 standards and technologies. As with the 2008  
14 Fire Code Revision, the FDNY has proposed  
15 amendments to the latest edition of the  
16 International Fire Code and will submit those  
17 proposed amendments in the form of a Council  
18 bill to the City Council for its consideration  
19 very soon.

20                   The reason I mention this with  
21 respect to Intro 865 is that we would prefer  
22 that any dictate, legislative or otherwise,  
23 regarding the use of smoke detector technology  
24 be promulgated by the experts; the National Fire  
25 Protection Association and/or the International

2 Code Council. We believe that introducing a  
3 bill to require a single technology;  
4 photoelectric as opposed to ionization at this  
5 time is premature. We are not the experts and  
6 do not have the resources to do extensive  
7 research, but we do look to the experts before  
8 we make changes to the city's Fire and Building  
9 Codes. We have reviewed the research on smoke  
10 detector technologies and do not believe there  
11 is a universal consensus about the superiority  
12 of photoelectric in the circumstances called for  
13 in this bill to justify our support. Until the  
14 research is more conclusive about the preferred  
15 technology and either the NFPA and/or ICC make  
16 that determination, we will not support a bill  
17 mandating the use of one technology over the  
18 other even to the extent it is circumscribed in  
19 Intro 865. When we propose revisions to the  
20 Fire Code and when the Department of Buildings  
21 proposes changes to the Buildings Codes, we rely  
22 on the respective model codes and national  
23 experts for guidance. By proposing Intro 865,  
24 the sponsors are not relying on clearly  
25 established research or uncontroverted findings

2 of experts in the field. The goal of the FDNY  
3 is to make sure every home has a working smoke  
4 alarm. It is our continuing mission to provide  
5 education about the dangers of fires and the  
6 actions the public can take to ensure their  
7 safety. Taken together, these will lead to  
8 safer homes and fewer injuries and fatalities  
9 due to fire. When we are asked about smoke  
10 alarms, we have expressed support and preference  
11 for dual alarms, a combined photoelectric and  
12 ionization smoke alarms in line with current  
13 NFPA recommendations, especially when they are  
14 outfitted with alarm silencing devices that can  
15 be activated when there is a false alarm.

16           Research has shown that each smoke  
17 alarm technology has unique advantages under  
18 certain fire conditions. As you know,  
19 photoelectric alarms are most reliable for  
20 smoldering fires, which may occur in bedrooms or  
21 sitting rooms. Ionization type alarms are the  
22 most reliable for flaming fires, which may occur  
23 in the kitchen. While some municipalities and  
24 states have legislated the use of photoelectric  
25 in certain circumstances, we do not think the

2 issue is ripe or the evidence conclusive. The  
3 NFPA cautions that technology's still evolving  
4 and studies are being conducted. According to a  
5 recent Underwriters Lab Report, the key  
6 challenge in selecting the appropriate smoke  
7 alarm technology is the inability to predict the  
8 type of home fire that is likely to occur. For  
9 this reason, nationally recognized fire safety  
10 organizations including NFPA, USFA and  
11 International Association of Fire Chiefs, NIST,  
12 National Association of State Fire Marshalls and  
13 UL all currently recommend use of both  
14 photoelectric and ionization smoke alarms in  
15 residential settings or the use of smoke alarms  
16 incorporation both types of these sensing  
17 technologies in a single device.

18           Lastly, notwithstanding our general  
19 concerns about the prematurity of Intro 865, we  
20 also find it curious that the bill's provisions  
21 include hospitals, prisons, assisted living  
22 facilities and other residential institutions.  
23 These occupancies usually have complex fire  
24 detection and alarm systems designed by  
25 engineers. New technology is being developed

2 every day. We think that the engineers  
3 designing these systems should be able to make  
4 professional judgments about what smoke detector  
5 technology to install and not be limited by  
6 strict Building Code Provisions that would  
7 become law if Intro 865 is enacted. You will  
8 hear shortly from the NFPA and other experts.  
9 They will provide their opinions on the bills  
10 and the technology. The FDNY remains open to  
11 hearing all sides. That is our job and we are  
12 open to continuing discussions with the City  
13 Council, but for now, we will not lend our  
14 support to Intro 865 for all of the reasons I  
15 have just stated, and we fully support Intro  
16 1111. I thank you again for your support for  
17 fire safety in New York City and for the  
18 opportunity to speak with you today about the  
19 proposed legislation.

20 CHAIRPERSON DILAN: 'Kay, Chief  
21 Jensen, thank you for your testimony and I  
22 believe you laid out quite clearly the positions  
23 of your department and I appreciate that. I'm  
24 going to have a few questions on both items, and  
25 I'll start with 1111 first and before I do that,

2 I do want to acknowledge that we were joined by  
3 Council Member Brad Lander of Brooklyn who was  
4 here very briefly, and we are being joined now  
5 by Council Member Jumaane Williams of Brooklyn,  
6 who just walked in. So we'll start with 111 and  
7 as I understand it it's... [background voice]  
8 oh, 1111, not 111. It's similar to legislation  
9 that this Committee passed in and around the  
10 carbon monoxide detectors where the device will  
11 be required to be hard wired. What are the  
12 mechanisms for cost recoupment in that  
13 legislation? Was that that the fee for that  
14 unit would be passed onto the tenant? Is that  
15 the same in this legislation before us today?

16 CHIEF JENSEN: Yeah, I believe it  
17 is. It's very, very similar to the CO Bill.

18 CHAIRPERSON DILAN: So is the cost  
19 of the apparatus the same as...

20 CHIEF JENSEN: Should be very  
21 similar.

22 CHAIRPERSON DILAN: Should be, so  
23 what are we looking at, like a \$25 to \$50 pass  
24 along to the...

25 [crosstalk]

2 CHIEF JENSEN: Yes, in the area...

3 [crosstalk]

4 CHAIRPERSON DILAN: Tenants?

5 [crosstalk]

6 CHIEF JENSEN: Yes.

7 CHAIRPERSON DILAN: Alright, so what  
8 was the objective of this in your department?

9 The objective is to get it hard wired for what  
10 purpose or benefit?

11 CHIEF JENSEN: Well, actually 1111  
12 is the end of life to 10-year with the  
13 batteries.

14 CHAIRPERSON DILAN: Yeah, that's  
15 what... I'm speaking...

16 [crosstalk]

17 CHIEF JENSEN: Yeah.

18 CHAIRPERSON DILAN: Only on that  
19 one...

20 [crosstalk]

21 CHIEF JENSEN: Right.

22 [crosstalk]

23 CHAIRPERSON DILAN: Right now, yeah.

24

25



2 CHIEF JENSEN: Right. So to make  
3 sure we follow the NFPA guidelines to make sure  
4 that the smoke detectors are operable.

5 CHAIRPERSON DILAN: Operable, okay  
6 so you... so the NFPA guidelines are basically  
7 moving away from the traditional battery  
8 operated smoke detector. Is that what you're  
9 telling me?

10 CHIEF JENSEN: Well, hard wire is  
11 always the best, but in many cases when you're  
12 replacing batteries, hard wire would be  
13 difficult, so now you have a 10-year life span  
14 on a battery. The new construction hard wire is  
15 required in many places, but in replacement,  
16 that would be quite expensive to hard wire so...

17 CHAIRPERSON DILAN: [interposing]  
18 Okay, so my term was incorrect then in terms of  
19 hard wire.

20 CHIEF JENSEN: Yes.

21 CHAIRPERSON DILAN: So it's...

22 CHIEF JENSEN: We're not requiring  
23 hard wire and this is really replacement smoke  
24 detectors for present detectors and it's a

2 superior detector because it has a 10-year life  
3 where you don't have to change the battery.

4 CHAIRPERSON DILAN: So the battery  
5 life would be 10-years so...

6 [crosstalk]

7 CHIEF JENSEN: Yes.

8 [crosstalk]

9 CHAIRPERSON DILAN: That means that  
10 they would... there's new technology available  
11 that would extend the life of these batteries...

12 [crosstalk]

13 CHIEF JENSEN: Yes.

14 [crosstalk]

15 CHAIRPERSON DILAN: For 10 years.

16 Now, how... I guess I would assume your  
17 department has tested this and could you just  
18 tell us anything about the testing and the  
19 reliability...

20 [crosstalk]

21 CHIEF JENSEN: Well...

22 [crosstalk]

23 CHAIRPERSON DILAN: Of this?

24

25

2 CHIEF JENSEN: We have not tested  
3 it. We rely on the national... the testing  
4 services to thoroughly test these.

5 CHAIRPERSON DILAN: Well, I'm sure  
6 you've read their report...

7 [crosstalk]

8 CHIEF JENSEN: Yes.

9 [crosstalk]

10 CHAIRPERSON DILAN: For that.

11 [crosstalk]

12 CHIEF JENSEN: Of course, yes.

13 CHAIRPERSON DILAN: Can you tell us  
14 a little bit about their reliability and why the  
15 department feels comfortable making this change  
16 at this time?

17 CHIEF JENSEN: Maybe the NFPA  
18 representative might be better able to answer  
19 that.

20 JOHN CAUFIELD: In the National Fire  
21 Alarm Code as NFPA 72 in the 2010 and 2013  
22 editions, it is recommended the 10-year life  
23 cycle...

24 CHAIRPERSON DILAN: [interposing]  
25 I'm sorry, I just need to interrupt you so...

2 [crosstalk]

3 JOHN CAUFIELD: I'm sorry.

4 [crosstalk]

5 CHAIRPERSON DILAN: That you can  
6 introduce yourself and your own name.

7 JOHN CAUFIELD: I'm sorry, yes.

8 CHAIRPERSON DILAN: And if I could  
9 ask the chambers to come to order because it's a  
10 little bit difficult to hear the speakers.

11 JOHN CAUFIELD: Yes.

12 CHAIRPERSON DILAN: Go ahead.

13 JOHN CAUFIELD: I'm sorry...

14 CHAIRPERSON DILAN: Mm-hm.

15 JOHN CAUFIELD: Chair, my name is  
16 John Caufield. I'm the mid-Atlantic NFPA  
17 Regional Director. I'm the former Fire Chief in  
18 Rochester, New York where I served 27 years and  
19 I've been with NFPA for about a year and a half.  
20 But NFPA 72 is the National Fire Alarm Code and,  
21 as I said, in the past two editions it was  
22 recommended hard wired smoke detectors in  
23 occupancies for new construction, as well as a  
24 10-year self contained battery unit. At the end  
25 of the 10 years, essentially that's the life

2 cycle of the unit itself; no more replacing  
3 batteries according to this recommendation and  
4 standard and you just get a new unit, and over  
5 the course certainly of the next 10 years,  
6 technology is likely to have changed pretty  
7 dramatically, but at this point in time there's  
8 no issues of tampering or anything like that;  
9 taking batteries out. Additionally, that same  
10 NFPA 72 also recommends hush devices to minimize  
11 nuisance alarming, which has been shown to be a  
12 leading cause of having batteries removed from  
13 existing smoke detectors. I hope that answers  
14 your question.

15 CHAIRPERSON DILAN: I wanted to know  
16 a little bit more about the reliability of the  
17 unit because as it relates to the other bill,  
18 Chief Jensen just stated that he couldn't you  
19 know, certainly vouch for the effectiveness of  
20 the photoelectric smoke detectors so I was under  
21 the assumption that they would've done the same  
22 type of testing for this new unit that they're  
23 asking us to bring into the New York City  
24 market. You know, I would expect that some due  
25 diligence was done, but I just want the

2 committee to be enlightened on why they feel the  
3 10-year life span on the unit is actually going  
4 to last 10 years and serve as what will serve to  
5 more reliable than what we currently use.

6 JOHN CAUFIELD: Understood. Like  
7 any kind of electronic product, and I'll just  
8 sort of paraphrase, there's a life cycle on  
9 these types of things, particularly with  
10 ionization, even though detectors there's a  
11 small, minute amount of radioactive material  
12 there, as well as the technology and so on and  
13 so forth, but there's just a natural life cycle.  
14 There's a date of expiration if you will. In  
15 terms of... it's like I heard a few different  
16 things in your question.

17 CHAIRPERSON DILAN: No, I just... I  
18 want to focus in and around that.

19 JOHN CAUFIELD: Yep, Underwriters  
20 Laboratories typically does the testing on the  
21 individual units. NPFPA's role is to write  
22 codes and standards through a consensus process  
23 of experts in the field. That's kind of where  
24 we come in. We don't do the testing, but the  
25 testing is taken into account by the technical

2 committees at NFPA and has made those  
3 recommendations based on expert opinion,  
4 testing, particularly of UL.

5 CHAIRPERSON DILAN: Alright, so I'll  
6 just... I'll ask both gentlemen, both Chief  
7 Jensen and yourself, are you confident that this  
8 product will do... from where you sit in your  
9 opinion, do you... are you confident that this  
10 product will do what you're telling this  
11 committee it will do?

12 CHIEF JENSEN: Yes, I am confident  
13 with you know, the reputation of UL and the  
14 testing that's been done and actually I just  
15 bought one for my own house recently.

16 CHAIRPERSON DILAN: Okay, well, it  
17 just sounds like since you bought one, it might  
18 be a little bit more expensive because of the  
19 useful life of the battery than the  
20 traditional...

21 [crosstalk]

22 CHIEF JENSEN: Yes, it...

23 [crosstalk]

24 CHAIRPERSON DILAN: Smoke alarm...

25 [crosstalk]

2 CHIEF JENSEN: It is... it is a  
3 little more expensive.

4 [crosstalk]

5 CHAIRPERSON DILAN: That is  
6 traditional.

7 [crosstalk]

8 CHIEF JENSEN: But if you figure in  
9 that you're not changing the battery every  
10 year...

11 [crosstalk]

12 CHAIRPERSON DILAN: You make it...

13 [crosstalk]

14 CHIEF JENSEN: It probably works out  
15 about even.

16 CHAIRPERSON DILAN: Yeah, you make  
17 it up. Okay, so I wanted to focus on another  
18 line of questioning as it relates to 1111. You  
19 know, obviously an audible alarm won't help much  
20 if the occupants are deaf or hearing impaired.  
21 Is there any requirement for any other form of  
22 fire notice for the deaf or the hearing  
23 impaired?

24 JOHN CAUFIELD: There are a number  
25 of different evolving technologies, but there's



2 been things such as strobe lights and things...  
3 units that can kind of attach to your bed and  
4 jar you awake if you're hearing impaired. That  
5 research is really far behind sort of the  
6 traditional public consumption smoke detectors,  
7 but it is ongoing. In Rochester, we have a very  
8 significant hearing impaired population, and I  
9 have some personal experience with testing those  
10 units. The strobe lights have worked reasonably  
11 well, but that's just anecdotal based on my own  
12 experience. I don't have in front of me any  
13 kind of studies or anything from the UL.

14 CHAIRPERSON DILAN: Alright, but  
15 what I'm asking is 1111 will, I guess, make  
16 permanent law the audibility of the fire alarm  
17 with a 10-year life. Anything above and beyond  
18 that like the strobe light for instance would be  
19 an optional device that the homeowner could  
20 install. Is that pretty much the gist of how  
21 this law is written?

22 CHIEF JENSEN: If there's certain  
23 conditions of the occupants of the home, there  
24 are technology that they can look into. This is  
25 generally to make the use of smoke detectors

2 more prevalent 'cause they wouldn't be taking  
3 the batteries out and it's safer for the general  
4 population, but there are different technologies  
5 for the special cases.

6 CHAIRPERSON DILAN: Alright, I think  
7 I got it. Basically what you're saying in a  
8 nutshell and if I understand, 'cause I think I  
9 know your answer, I just want to make sure I  
10 understand what I'm reading. The audiblensness of  
11 the smoke alarm will remain. Homeowner will  
12 have an option to go above and beyond that if  
13 there's someone hearing impaired. Is that the  
14 general sense of what's happening here?

15 CHIEF JENSEN: That's correct.

16 CHAIRPERSON DILAN: Okay, thanks.  
17 So moving onto 865, and I'll be brief and I'll  
18 turn it over to my colleague, Elizabeth Crowley.  
19 Is there anything that either in the Building  
20 Code or the Fire Code today, as it stands  
21 current law, that would prohibit the  
22 photoelectronic smoke detectors? Is there  
23 anything that prohibits it?

24 CHIEF JENSEN: Prohibit; not that I  
25 know of.

2 CHAIRPERSON DILAN: No.

3 JOHN CAUFIELD: No.

4 CHAIRPERSON DILAN: No, so the  
5 homeowner's choice at this point in time as to  
6 which type of unit that they decide to use. In  
7 the department's tracking of fires, when there  
8 is a fire does NYPD keep track of the type of  
9 smoke alarm present in fatal fires, and if so,  
10 do you have a breakdown of that?

11 [crosstalk]

12 CHIEF JENSEN: No, we keep track if  
13 there was a smoke alarm if it appeared to be  
14 operating, but we do not keep track of what type  
15 of smoke alarm.

16 CHAIRPERSON DILAN: Of what type, so  
17 you keep track if it was operating, if it had a  
18 battery in it and if it had...

19 CHIEF JENSEN: [interposing ] That's  
20 correct.

21 CHAIRPERSON DILAN: Okay, got it.  
22 With that, I will turn it over to my colleague,  
23 Elizabeth Crowley. I may have more questions on  
24 this, but I want to give her an opportunity to  
25 jump in.

2 COUNCIL MEMBER CROWLEY: Thank you  
3 to the administration for testifying today.  
4 Chief Jensen, do you have a photoelectric smoke  
5 detector in your house?

6 CHIEF JENSEN: I... let's see, I  
7 believe I have one downstairs and the one  
8 upstairs is an ion I believe. I'm not...  
9 actually the new one I'm not positive. It may  
10 be a photo.

11 COUNCIL MEMBER CROWLEY: And you  
12 have your photoelectric one likely near a  
13 kitchen?

14 CHIEF JENSEN: No, well, no, it's  
15 really in the basement. We have an alarm near  
16 the kitchen that I believe is an ion.

17 COUNCIL MEMBER CROWLEY: I ask  
18 because within the education material that the  
19 Fire Department puts out it says, "If you are  
20 shopping for a new alarm, the FDNY Fire Safety  
21 Unit; Fire Safety Education Unit recommends  
22 photoelectric or photoelectric ionization smoke  
23 alarms because they are less sensitive to  
24 nuisance alarm and they also alert occupants to  
25 smoldering fires more quickly than the common

2 ionization alarms." Do you know how much more  
3 quickly in a photoelectric would detect a  
4 smoldering fire versus...

5 [crosstalk]

6 CHIEF JENSEN: Well, I...

7 [crosstalk]

8 COUNCIL MEMBER CROWLEY: An  
9 ionization?

10 CHIEF JENSEN: I have read some of  
11 the literature recently, so I'm not going to say  
12 how many seconds, but clearly no one disputes  
13 photoelectric is not quicker for smoldering.  
14 That's never been in dispute.

15 COUNCIL MEMBER CROWLEY: So it is  
16 quicker.

17 CHIEF JENSEN: Yes.

18 COUNCIL MEMBER CROWLEY: Okay and is  
19 one more likely to experience a fire fatality  
20 from smoke inhalation or from a raging fire in  
21 the city of New York in residences in your  
22 experience?

23 CHIEF JENSEN: I don't know the  
24 exact numbers, but there is a high incidence of

25

2 people succumbing to smoke inhalation. I don't  
3 know the exact percentage.

4 COUNCIL MEMBER CROWLEY: Well and  
5 the reason I bring it up is because through the  
6 research that I've done, it shows that  
7 photoelectric smoke alarms are able to pick up  
8 smoldering fires in some cases more than a half  
9 an hour earlier than ionization, and then at  
10 some points even if you have a working battery  
11 in an ionization smoke detector, it may not pick  
12 up until the fire is actually raging that the  
13 smoke could fill the house completely and it  
14 doesn't go off.

15 CHIEF JENSEN: Well, I don't know if  
16 that's quite the case, but I believe the NFPA  
17 the latest suggestions or recommendations I  
18 should say are to have a combination detector or  
19 have a combination of detectors place in  
20 different parts of the house where they would be  
21 most useful.

22 COUNCIL MEMBER CROWLEY: Right now,  
23 but the City Building Code doesn't call for any  
24 photoelectric and that's why we're having the  
25 hearing today.

2 CHIEF JENSEN: Yeah well, it doesn't  
3 specify, yeah.

4 COUNCIL MEMBER CROWLEY: Right.  
5 Well, most New Yorkers don't know of this  
6 problem. I didn't know of it until it was  
7 brought to my attention and now I have  
8 photoelectric smoke detectors, but do you have  
9 any estimate of how many New Yorkers know the  
10 difference or have actual photoelectric in their  
11 homes?

12 CHIEF JENSEN: I do not.

13 COUNCIL MEMBER CROWLEY: If your  
14 position from the Fire Department is that... and  
15 the Buildings Department is here as well, that  
16 it should not be included in the Building Code  
17 within residential homes, then why does the Fire  
18 Safety Education Unit suggest that people should  
19 buy the photoelectrics versus the ionizations?

20 CHIEF JENSEN: I think at this time  
21 the jury is still out on recommendations like  
22 that through the national professionals at  
23 testing labs and NFPA.

24 COUNCIL MEMBER CROWLEY: If one is  
25 more likely to die in a smoldering fire, if an

2 ionization is not likely to pick it up;  
3 certainly not as quick as a photoelectric and  
4 you yourself have it in your home, doesn't it  
5 make sense to put it in the Building Code?

6 CHIEF JENSEN: I believe the Fire  
7 Department's... no, I'm here to state the Fire  
8 Department's opinion that at this time we don't  
9 believe specifying one alarm over another is  
10 proper due to the current information and  
11 testing.

12 COUNCIL MEMBER CROWLEY: Also  
13 mentioned earlier that an ionization, which is  
14 the traditional one that most people have in  
15 their homes is more likely to go off when  
16 nuisance smoke happens in a kitchen or from the  
17 steam that comes out of a shower. Is that true?

18 CHIEF JENSEN: Yes, that's why they  
19 recommend certain different placements for these  
20 different alarms.

21 COUNCIL MEMBER CROWLEY: Right, and  
22 even we... and I totally am behind Intro 1111 to  
23 get a 10-year battery on whatever type of smoke  
24 detector it is. The fact of the matter is if an  
25 alarm goes off in a nuisance way, whether it's a



2 10-year life span on the battery or less, a lot  
3 of times New Yorkers will take the battery out  
4 of the smoke detector will not even work  
5 thereafter if it never gets put back in;  
6 however, if it's a photoelectric, it's less  
7 likely to have a nuisance alarm and therefore, a  
8 resident is less likely to play with the  
9 battery, correct?

10 [crosstalk]

11 CHIEF JENSEN: Well, technology's...  
12 that's correct, but technology also now a lot of  
13 the... they have these hush buttons and if  
14 you... proper placement also will reduce that,  
15 but... but... but we would...

16 [crosstalk]

17 COUNCIL MEMBER CROWLEY: But it's  
18 true that photoelectric...

19 [crosstalk]

20 CHIEF JENSEN: We... we...

21 [crosstalk]

22 COUNCIL MEMBER CROWLEY: Is less  
23 likely to...

24 [crosstalk]

25 CHIEF JENSEN: We all strive...

2 [crosstalk]

3 COUNCIL MEMBER CROWLEY: Less likely  
4 to have an incident.

5 [crosstalk]

6 CHIEF JENSEN: To education and this  
7 new technology to reduce the amount of people  
8 who... to take the batteries out of their  
9 alarms. That's a big problem.

10 [Pause]

11 COUNCIL MEMBER CROWLEY: I have no  
12 further questions.

13 CHAIRPERSON DILAN: But she gave me  
14 one on 111 or 1100 and Gale, I can wait if you  
15 want to...

16 COUNCIL MEMBER BREWER:  
17 [interposing] No, go ahead.

18 [crosstalk]

19 CHAIRPERSON DILAN: Go now.

20 COUNCIL MEMBER BREWER: I don't know  
21 one fire law from another.

22 CHAIRPERSON DILAN: On... well, I  
23 guess I mean I read the briefing report. It  
24 talked about it a little bit, but that is a  
25 great question. Why don't you just establish

2 for us, 'cause we're not all experts on this.  
3 Could you just establish the difference between  
4 the two different pieces of apparatus that we're  
5 debating today on 765? And then I got a  
6 question on 1111.

7                   JOHN CAUFIELD: This is mostly what  
8 I came here to speak about, is 865 in  
9 particular. I'll kind of work off script, if  
10 you will. There's two different primary types  
11 of smoke detectors. There's ionization and then  
12 there's photoelectric. Typically 30 years plus  
13 of testing, study, task groups, you name it have  
14 all kind of come to the same general  
15 conclusions. One, that ionization detectors  
16 tend to work... activate more quickly in fast  
17 moving or flaming fires and two, that  
18 photoelectric detectors tend to work and  
19 activate more quickly in smoldering fires. The  
20 issue is really how do you know what kind of  
21 fire you're going to have? The incidence of...  
22 and I say this sort of anecdotal; I don't have  
23 evidence to back it up in front of me, but as  
24 you know, years ago New York State passed a Fire  
25 Safe Cigarette Bill, so cigarettes, for

2 instance, self-extinguish. It has not been in  
3 place long enough to have good, measurable data  
4 to sort of say what the effect of that is, but  
5 suffice to say that there's a lower incidence of  
6 potential for a smoldering fire. What my  
7 position is and NFPA's position is one detector  
8 works best at one type of fire and the other one  
9 works best at another type of fire. Go with the  
10 dual sensor. I did that in my professional...  
11 in my previous professional career in Rochester.  
12 We installed dual action detectors for years,  
13 and we did see probably again anecdotally, but  
14 we had zero fire deaths in Rochester for three  
15 consecutive years for the first time in our  
16 recorded history. It's anecdotal, but it's a  
17 cause and effect issue. I'm sorry, do you  
18 have...

19 CHAIRPERSON DILAN: No, I'm just  
20 thinking on the side. I visited Rochester this  
21 summer. They have beautiful housing in  
22 Rochester and some...

23 [crosstalk]

24 JOHN CAUFIELD: Well...

25 [crosstalk]

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2 CHAIRPERSON DILAN: Some of the best  
3 housing per dollar I think in the state. It was  
4 beautiful housing there.

5 JOHN CAUFIELD: Well, thank you.  
6 Yes, it's...

7 [crosstalk]

8 CHAIRPERSON DILAN: Yes.

9 [crosstalk]

10 JOHN CAUFIELD: It's home to me  
11 and...

12 CHAIRPERSON DILAN: [interposing]  
13 Yeah.

14 JOHN CAUFIELD: I appreciate that.  
15 He... if I... it is cold in the winter.

16 CHAIRPERSON DILAN: It's cold, yeah.

17 JOHN CAUFIELD: Yes.

18 CHAIRPERSON DILAN: That's why it's  
19 so cheap. [laughter]

20 JOHN CAUFIELD: If I... [laughter]

21 CHAIRPERSON DILAN: You know you get  
22 a deal there.

23 JOHN CAUFIELD: Good point. If I  
24 can kind of conclude or work through my  
25 testimony here kind of...

2 [crosstalk]

3 CHAIRPERSON DILAN: Mm-hm.

4 [crosstalk]

5 JOHN CAUFIELD: Quickly. I got to  
6 work off script, but essentially a smoke  
7 detector...

8 CHAIRPERSON DILAN: [interposing]  
9 Well, you know what? We were confused because  
10 the Fire Chief brought you up together, but you  
11 came to testify in your right, so you do have...  
12 I know this is kind of backwards, 'cause we  
13 normally don't do it this way, but you do have  
14 the right to read your testimony in full if you  
15 so choose to.

16 JOHN CAUFIELD: I tend to submit my  
17 testimony...

18 CHAIRPERSON DILAN: [interposing]

19 Okay.

20 JOHN CAUFIELD: And you can read  
21 that...

22 [crosstalk]

23 CHAIRPERSON DILAN: That's fine.

24 JOHN CAUFIELD: And that's just...

25 [crosstalk]

2 CHAIRPERSON DILAN: It's your...

3 [crosstalk]

4 JOHN CAUFIELD: And then I have  
5 notes so I work off script. I just do it better  
6 that way.

7 [crosstalk]

8 CHAIRPERSON DILAN: It's your  
9 prerogative. It helps me...

10 [crosstalk]

11 JOHN CAUFIELD: Well, I...

12 [crosstalk]

13 CHAIRPERSON DILAN: Get out of here  
14 faster. I...

15 JOHN CAUFIELD: I... I appreciate  
16 that.

17 CHAIRPERSON DILAN: Yeah.

18 JOHN CAUFIELD: We'll try to be as  
19 concise as possible. I try to do that with my  
20 written testimony.

21 CHAIRPERSON DILAN: Okay.

22 JOHN CAUFIELD: Real quickly. Smoke  
23 detectors: basically their main job for a lay  
24 understanding is to sense a fire or the products  
25 of a fire, which is typically smoke or ions or

2 whatever the case might be, but sense the  
3 presence of the fire and activate with the  
4 result to give the occupant as much time to  
5 safely evacuate the building as possible. Now,  
6 there is all kinds of again, anecdotal, but  
7 probably more than anecdotal. I don't have the  
8 information in front of me. The nature of a  
9 fire in any structure is dramatically different  
10 now than it was when I started my career and  
11 Chief Jensen started his career. There's more  
12 and more synthetics in all kinds of building  
13 materials; all kinds of you know, tables,  
14 chairs, toys, fabrics. It's synthetic. It  
15 burns hotter; it's petroleum-based. So what  
16 evidence is showing through UL testing, evidence  
17 is showing that there is a decrease in the  
18 amount of time from notification where the alarm  
19 goes off to the person safely evacuating the  
20 building. In smoldering fires, there has  
21 been... and it depends on the magnitude of the  
22 fire and a whole lot of other factors including  
23 smoke travel and windows open, all kinds of  
24 things. A smoldering fire can go anywhere from  
25 30 minutes to over two hours before it could



2 reach the threshold to activate a smoke  
3 detector. It depends on a myriad of factors.  
4 The flaming fires obviously you know, a cooking  
5 fire or something else, but a flaming fire  
6 obviously is present quite quickly; you can see  
7 it. It doesn't take 30 minutes, 60 minutes to  
8 build up where anybody's going to notice it.  
9 That's kind of the key component and that's  
10 really what those two technologies focus on.  
11 Again, you don't know what kind of fire you're  
12 going to have in your house, apartment,  
13 building, so NFPA's position and others;  
14 International Fire Chiefs, Underwriter  
15 Laboratory has done extensive studies on smoke  
16 detectors; really recommends dual action smoke  
17 detectors, taking advantage of the... logically  
18 you take advantage of the strengths of both.  
19 You're not minimizing one; you're not choosing  
20 one over the other, so that seems to me to be a  
21 logical conclusion so...

22 CHAIRPERSON DILAN: [interposing]

23 So...

24 JOHN CAUFIELD: I'm sorry.

25

2 CHAIRPERSON DILAN: Go ahead, go  
3 ahead. You know, I'm sorry. You go ahead.

4 JOHN CAUFIELD: A couple quick  
5 things.

6 CHAIRPERSON DILAN: Mm-hm.

7 JOHN CAUFIELD: Smoke detectors are  
8 very effective. In 2001, data from NFPA and the  
9 U.S. Fire Administration there was about 4,000  
10 fire deaths in the United States in 2001. 2011  
11 that number was about 2,600, so we're going in  
12 the right direction. Something's working well.  
13 There's certainly room for improvement, and new  
14 technology hopefully will do that. Two-thirds  
15 of all the U.S. fire deaths; home fire deaths  
16 occur in residences without working smoke  
17 detectors or no detectors at all. Two-thirds of  
18 those there's nothing present or it's certainly  
19 not working. Chief Jensen mentioned hard wired  
20 smoke detectors. 92 percent activation in a  
21 fire large enough to activate the fire... the  
22 smoke detector. 92 percent I'll say success  
23 rate. That's sort of a...

24

25

2 CHAIRPERSON DILAN: [interposing] I  
3 guess they would be susceptible to electrical  
4 fires.

5 JOHN CAUFIELD: Well, there's a lot  
6 of issues.

7 CHAIRPERSON DILAN: [interposing]  
8 Yeah.

9 JOHN CAUFIELD: So I say success.  
10 By success I mean that the detector properly  
11 sensed a fire and warned occupants. That's not  
12 quite the same as occupants safely getting out  
13 of the house. They're related, but they're  
14 not... they're not...

15 CHAIRPERSON DILAN: [interposing]  
16 Not the same.

17 JOHN CAUFIELD: Direct correlation.  
18 However, with battery operated; solely battery  
19 operated smoke detectors, that success rate  
20 drops to 77 percent. Now again, these are  
21 statistics and there's a lot of factors going  
22 behind that, but clearly that's driven the  
23 standards that require for new construction,  
24 hard wired smoke detectors. As I said, it all  
25 really, in my opinion, boils down to what kind

2 of fire you're going to have and there's no  
3 logic, in my opinion to choose one technology  
4 over the other. As I said, you know, the  
5 evidence doesn't really do anything; doesn't  
6 have an opinion, but it is what it is. It's  
7 evidence. It's research-based. There's more  
8 than 30 years analysis including research; hard  
9 scientific research. There's studies; there's  
10 work groups. I reviewed reports from California  
11 Fire Marshalls; the Maryland Fire Marshall; the  
12 Ohio Fire Marshalls. They all put together task  
13 groups. Again, all these groups. Scientific  
14 groups, work groups, professionals in the fire  
15 service have all essentially and independently  
16 come to the same conclusion, okay? They've come  
17 to the same conclusion. They cannot, and  
18 specific to 865, they do not specifically say  
19 that photoelectric or ionization are a better  
20 choice. They said take advantage of both  
21 technologies, have a smoke detector in every  
22 sleeping area, on every floor and so on and so  
23 forth. A lot of these things are also  
24 incorporated in the National Alarm Code; the  
25 Fire Alarm Code. But the key is they've all

2 reached the same independent conclusion.  
3 They're reviewing each other's work, but UL has  
4 done extensive testing on evacuation times and  
5 smoke travel and so on and so forth. There's  
6 nothing scientific or evidence-based that says a  
7 photoelectric detector is superior to an  
8 ionization detector. I'm not here to bad-mouth  
9 photoelectric detectors. In fact, my detectors  
10 in my own home, and I just had a new alarm  
11 system put in, are dual action throughout my  
12 whole house. It protects me and my family.  
13 We're taking advantage of both technologies.

14 I'll kind of conclude my testimony.  
15 NFPA 72 is a National Fire Alarm Code. As I  
16 say, it doesn't support one technology over the  
17 other. It does support dual action detectors to  
18 leverage the strength of both types. The key is  
19 escape time. The alarm needs to go off; the  
20 occupant needs enough time to safely evacuate  
21 the house. There's a lot of reasons why people  
22 can't necessarily get out. It's not... because  
23 there's a fire death doesn't mean that there is  
24 necessarily a problem with the smoke detector.  
25 There's human involvement in every fire or

2 almost every fire at some level. People need to  
3 know what to do to get out of a building.  
4 People need to have an escape plan. Kids need  
5 to go out and know how to do this without their  
6 parents. There's been instances throughout the  
7 country where people discover a small fire, try  
8 to fight it and get overwhelmed either by the  
9 fire or the smoke. There's a lot of factors  
10 that lead to fire deaths in a home. Certainly  
11 we all look forward to better technology, and I  
12 think 865 limits the city of New York to one  
13 type of smoke detector that hasn't proven its  
14 value as the only solution to this problem. I  
15 think I'll conclude at that. You know, I don't  
16 support it because the evidence doesn't speak to  
17 it. NFPA 72, the Fire Alarm Code, does not  
18 support one over the other nor does any of the  
19 other studies and research that's been done in  
20 my experience.

21 CHAIRPERSON DILAN: Okay, so Chief  
22 Jensen, just explain to me, because I don't pay  
23 as much attention to this as I should, what type  
24 of product is available to New Yorkers? What's  
25 available in New York? Is there... how

2 prevalent is the combination product to New  
3 Yorkers? And it seems to be by your testimony  
4 and by the NFPA... is it Caufield? Is that how  
5 you say it?

6 JOHN CAUFIELD: Caufield, yes, sir.

7 CHAIRPERSON DILAN: Mr. Caufield's  
8 testimony that the dual product is the superior  
9 product, so why are we not looking to do more  
10 around... in and around the dual product?

11 CHIEF JENSEN: Well, the dual  
12 product is fairly new. It is superior. You can  
13 get maybe not exactly the same efficiency  
14 similar if you place the right detectors; an  
15 ionization in a certain area, a photoelectric in  
16 a certain area; not quite as a dual, but it  
17 brings up the level of protection. Duals are  
18 available. They of course a little more  
19 expensive than the single...

20 CHAIRPERSON DILAN: [interposing]

21 Yeah, well...

22 [crosstalk]

23 CHIEF JENSEN: Detectors.

24 [crosstalk]

25

2 CHAIRPERSON DILAN: I would imagine,  
3 and thankfully I've never been in a fire, but I  
4 would imagine that for a raging, flaming fire  
5 that people would know that there's a raging,  
6 flaming fire in their unit, maybe not in the  
7 rest of the building, but at least in their  
8 unit. With a smoldering fire, I would think  
9 you'd caught off guard more and you know, you  
10 could be sleeping and just not know it and not  
11 hear an alarm.

12 CHIEF JENSEN: Oh, it depends. A  
13 flaming fire moves very fast you know, so  
14 it's... it just...

15 [crosstalk]

16 CHAIRPERSON DILAN: You got less  
17 time...

18 [crosstalk]

19 CHIEF JENSEN: There's differences.

20 CHAIRPERSON DILAN: To get...

21 [crosstalk]

22 CHIEF JENSEN: There's differences.

23 CHAIRPERSON DILAN: And you know  
24 hopefully...

25 [crosstalk]



2 CHIEF JENSEN: It's a different  
3 thing, exactly.

4 CHAIRPERSON DILAN: Hopefully I'm  
5 never in that situation or anyone else. Just  
6 wanted another question and I see Gale getting  
7 my attention. A question on the nuisance  
8 testing on the new 10-year life span batteries  
9 that you're asking us to approve. Now, if this  
10 thing goes off like a nuisance, I'd be doing  
11 everybody a big disservice to give them a  
12 battery that can't go off; then they'll end up  
13 taking the unit and throwing it away and that  
14 wouldn't help anybody either, so if you could  
15 speak to...

16 [crosstalk]

17 CHIEF JENSEN: Well, you never  
18 should take the battery out. They...

19 CHAIRPERSON DILAN: [interposing]  
20 Well, now they won't be able to take the...

21 [crosstalk]

22 CHIEF JENSEN: They won't be able to  
23 take that...

24 [crosstalk]

25 CHAIRPERSON DILAN: Battery out.

2 CHIEF JENSEN: When they take it out  
3 it's dead, yeah.

4 CHAIRPERSON DILAN: Alright, but now  
5 they'll want to know about nuisance testing  
6 'cause there's going to be a lot of  
7 frustrated...

8 [crosstalk]

9 CHIEF JENSEN: Well, a lot of  
10 it's...

11 [crosstalk]

12 CHAIRPERSON DILAN: People if this  
13 thing goes off...

14 [crosstalk]

15 CHIEF JENSEN: A lot of it's  
16 placement.

17 [crosstalk]

18 CHAIRPERSON DILAN: And you can't  
19 turn the battery...

20 [crosstalk]

21 CHIEF JENSEN: A lot of it's  
22 placement. They do have the hush buttons on  
23 some of them that will quiet it for a few  
24 minutes and then it resets, but a lot of it is  
25 placement.

2 CHAIRPERSON DILAN: Alright, so  
3 you're... placement and that would be across the  
4 board for any type of smoke detector.

5 CHIEF JENSEN: Right. If you have a  
6 detector near your bathroom and you open it up  
7 and steam comes out from a shower, we have to  
8 move it. If you have it too close in the  
9 kitchen, you have to move it. There are  
10 guidelines; exact guidelines that are put out,  
11 but it's also common sense.

12 CHAIRPERSON DILAN: So are you aware  
13 of any nuisance testing on 111 with properly...  
14 1111 with...

15 CHIEF JENSEN: [interposing]  
16 Nuisance testing?

17 CHAIRPERSON DILAN: With proper...  
18 [crosstalk]

19 CHIEF JENSEN: Mm...

20 CHAIRPERSON DILAN: Placement?

21 JOHN CAUFIELD: I'm sorry, I don't  
22 understand the question.

23 CHAIRPERSON DILAN: Well, under the  
24 current fire detectors that we use now they have  
25 a battery. Batteries are often pulled out

2 because of a nuisance that goes off in the  
3 apartment that makes the alarm sound. Assuming  
4 for a second that all placement's the same,  
5 they're still going to have the same nuisance,  
6 but now they have a unit where the battery will  
7 not go off, so the only other option would be to  
8 remove the entire unit itself because it has a  
9 10-year life span on the battery. So what  
10 you're saying is that the hush button is the  
11 answer to that and placement is the answer to  
12 that, but it wasn't tested say to differentiate  
13 between someone taking a hot shower or someone  
14 you know, cooking a steamy plate of penne. Is  
15 that what you're saying?

16 CHIEF JENSEN: It's really the same  
17 alarm; it just has a 10-year battery...

18 [crosstalk]

19 CHAIRPERSON DILAN: That...

20 CHIEF JENSEN: And...

21 [crosstalk]

22 CHAIRPERSON DILAN: That's what I  
23 was...

24 [crosstalk]

25

2 CHIEF JENSEN: The only way to  
3 resolve it is to you know...

4 [crosstalk]

5 CHAIRPERSON DILAN: That's what I  
6 was looking...

7 [crosstalk]

8 CHIEF JENSEN: Put it in the right  
9 spot.

10 CHAIRPERSON DILAN: That's what I  
11 was looking for. It's basically the same alarm.  
12 The only thing that's different is the battery.  
13 So the testing on how prevalent it goes off in  
14 case of a nuisance would be exactly...

15 [crosstalk]

16 CHIEF JENSEN: It depends.

17 [crosstalk]

18 CHAIRPERSON DILAN: The same.

19 CHIEF JENSEN: Yeah.

20 CHAIRPERSON DILAN: But it would be  
21 exactly the same as the current unit that we...

22 CHIEF JENSEN: [interposing] Yes.

23 CHAIRPERSON DILAN: Commonly... so  
24 okay.

25 [crosstalk]

2 CHIEF JENSEN: I mean if once a week  
3 your wife burns the food it's going to go off no  
4 matter what, you know.

5 CHAIRPERSON DILAN: She doesn't burn  
6 the food thankfully so.

7 CHIEF JENSEN: No. Good for you.

8 CHAIRPERSON DILAN: I don't have any  
9 further questions. Council Member Crowley, do  
10 you have any follow ups?

11 COUNCIL MEMBER CROWLEY: I do.

12 CHAIRPERSON DILAN: Yeah.

13 COUNCIL MEMBER CROWLEY: I know that  
14 Gale was... oh, you don't. okay, good. So the  
15 10-year battery, is it available for dual smoke  
16 detectors?

17 JOHN CAUFIELD: Yes, absolutely.  
18 They're widely available. You know, home  
19 stores; Home Depot, those kinds of places.  
20 Maybe even drugstores, but yes, widely  
21 available.

22 COUNCIL MEMBER CROWLEY: I haven't  
23 been able to find the one with the 10-year  
24 battery, and I think what's also important is a  
25 lot of times you see dual, but it's dual with

2 carbon monoxide detector and the smoke detector,  
3 not dual 10-year battery with both smoke  
4 detectors, and the reason I think it's so  
5 important to have the photoelectric as part of  
6 the law in the city... in the Building Code is  
7 because New Yorkers think... when they think  
8 dual they thing oh, I need a smoke detector and  
9 a carbon monoxide...

10 [crosstalk]

11 CHIEF JENSEN: Carbon monoxide.

12 COUNCIL PERSON CROWLEY: Not I need  
13 two different types of smoke detectors, but Mr.  
14 Caufield, earlier you know, you said what the  
15 National Fire Protection Association guidelines  
16 are. I have paperwork here that shows me that  
17 your rule 72 recommends a photoelectric in your  
18 kitchens, and so you're recommending that that  
19 particular smoke detector be in the household  
20 near kitchens and it's part of one of your  
21 rules.

22 JOHN CAUFIELD: Yes.

23 COUNCIL MEMBER CROWLEY: Okay and  
24 then furthermore, you said that things are  
25 changing today with synthetics; that people may

2 or may not realize it, but polyesters are  
3 synthetics and that's what you know affordable  
4 couches are made of today and years ago you  
5 might have wool or more wooden or leather, but  
6 today... and it extends into the kitchen and  
7 throughout the house.

8 CHIEF JENSEN: Yeah.

9 COUNCIL MEMBER CROWLEY: Comforters,  
10 curtains and it's just more affordable and much  
11 more likely to smolder than other materials.  
12 It's just earlier the Chief mentioned that more  
13 people are dying from smoke inhalation than a  
14 raging fire. That's where people die, in fires  
15 in New York City. They're more likely to, and  
16 whether you have 10 fires or 100, you're going  
17 to have more people of those fatalities that  
18 happen die because of smoke inhalation than the  
19 damage caused by a raging burning fire with  
20 flames.

21 CHIEF JENSEN: That might...

22 [crosstalk]

23 COUNCIL MEMBER CROWLEY: Is it or  
24 not... is that not true?

25



2 JOHN CAUFIELD: I would speak to  
3 that. That's kind of a nuanced argument. I  
4 can't speak to... specifically to New York City  
5 or even my own city where I live, but it's kind  
6 of a nuance that...

7 [crosstalk]

8 COUNCIL MEMBER CROWLEY: But in your  
9 years.

10 JOHN CROWLEY: Yes, definitely.

11 [crosstalk]

12 COUNCIL MEMBER CROWLEY: Of being a  
13 Fire Chief.

14 JOHN CAUFIELD: But because people  
15 dying from smoke inhalation doesn't mean that  
16 there's not a flaming or raging fire.

17 COUNCIL MEMBER CROWLEY: But...

18 [crosstalk]

19 JOHN CAUFIELD: So...

20 [crosstalk]

21 COUNCIL MEMBER CROWLEY: But do  
22 you... and just to conclude it, because we have  
23 other witnesses...

24 JOHN CAUFIELD: [interposing] Sure.

25

2 COUNCIL MEMBER CROWLEY: Today  
3 because of materials being synthetic, you're  
4 more likely to have smoldering fires.

5 JOHN CAUFIELD: I couldn't... I... I  
6 don't share that opinion.

7 COUNCIL MEMBER CROWLEY: Okay, I  
8 have no further questions.

9 [Pause]

10 CHAIRPERSON DILAN: Alright, seeing  
11 no other questions, I'd like to thank all of you  
12 gentlemen for your time...

13 CHIEF JENSEN: [interposing] Thank  
14 you.

15 CHAIRPERSON DILAN: And testimony.

16 CHIEF JENSEN: Thank you.

17 CHAIRPERSON DILAN: We will... yeah,  
18 we will now hear testimony from the public on  
19 these two items. I saw no testimony earlier on  
20 the plumbing bill aside from the one we received  
21 for the record. Alright, we'll do...

22 [Pause]

23 CHAIRPERSON DILAN: We'll do Frank  
24 Ricci from RSA, who's here to sign up on 1111.  
25 We'll do... looks like Ronald Skip Walker, who's

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2 here to testify in favor of 865 and Dean Dennis,  
3 who's also here to favor... to provide testimony  
4 in favor of 865. Why don't we start with...  
5 well, you can go together. [background voices]  
6 So you can come up.

7 [Pause]

8 CHAIRPERSON DILAN: It doesn't  
9 matter which way you do it; just come forward.  
10 Well, you can both come forward, yeah. Guess  
11 we'll wait for them to settle in and then...  
12 well, why don't we have... why don't you wait...  
13 why don't you wait a second if you got a slide?  
14 We'll let Mr. Ricci testify on his own. This  
15 way he's...

16 FRANK RICCI: [interposing] I'll be  
17 brief, I promise.

18 CHAIRPERON DILAN: He can testify  
19 without the slideshow and then you guys can come  
20 in, so just give us a second. Take... give the  
21 seat a second. I didn't realize it was a  
22 PowerPoint that you're going to show us. So Mr.  
23 Ricci, why don't you begin and then we'll move  
24 on.

25

2 FRANK RICCI: Thank you, Mr.  
3 Chairman and members of the committee. My name  
4 is Frank Ricci. I'm the Director of Government  
5 Affairs at the Rent Stabilization Association.  
6 We are the trade association that represents  
7 most of the residential multiple dwelling owners  
8 in New York City. We have about a million units  
9 in the portfolio of our members. I'm here  
10 today to speak only on Intro 1111. We are  
11 generally in favor of the bill. We support it.  
12 We have some technical issues with the logistics  
13 of the replacement period time that the bill  
14 outlines. Because of the... in the recent last  
15 year when the City Council passed the Carbon  
16 Monoxide Detector Bill, many owners chose to put  
17 in combination CO detector/smoke detector units  
18 in their buildings and so the way the bill was  
19 crafted now, we didn't want to see a wholesale  
20 replacement of a lot of those units that were  
21 just put in a year ago. So we've talked to the  
22 administration. We've made some suggestions as  
23 to how we could get everyone on a cycle of  
24 replacing the units as we go forward. More  
25 specifically, the section of the bill that deals

2 with the replacement of smoke detectors when  
3 they reach the end of their useful life, the way  
4 the bill is written out is a little problematic  
5 because I think a lot of people don't know when  
6 the... what the useful life is of a smoke  
7 detector. There's a recommendation that it's  
8 replace them every 10 years, but since in a lot  
9 of buildings if you take your typical 100, 200  
10 unit building you know, because of people moving  
11 in and out or sales of co-ops and condos and the  
12 replacement of them, it's a little difficult to  
13 keep track of when one was put in and to have to  
14 go back again and find out when something is 10  
15 years old. The reality is that a lot of smoke  
16 detectors do go beyond that useful life of 10  
17 years, so they stop working when they stop  
18 working. So when someone goes to replace a  
19 battery in them and they use the test button, if  
20 it doesn't work, then clearly it's time to  
21 replace it and we're fully in support of the  
22 concept of smoke detector using the 10-year  
23 tamper-proof battery. Incidentally to that,  
24 since this is the Housing and Buildings  
25 Committee, since oftentimes your hearings center

2 around HPD and code violations, I have years  
3 worth of testimony here from various HPD  
4 commissioners that will tell you the most common  
5 violation that an owner is written up for in New  
6 York City, that is the tenant's responsibility,  
7 is a missing battery in a smoke detector. So  
8 that's why we think the concept of a 10-year  
9 battery that's tamper-proof make perfect sense  
10 and will hopefully reduce the number of  
11 violations that are written in the city. So  
12 with that, as I said, I've communicated some of  
13 these concerns to the administration and I guess  
14 as time goes on we'll see if they're amenable to  
15 any of these changes just so that we can get on  
16 a cycle of replacing everything going forward in  
17 a more orderly fashion.

18 CHAIRPERSON DILAN: Yeah, I think  
19 the point you brought up about the dual fire and  
20 CO2 detector's a valid one. It's what I have in  
21 my unit now and it's relatively new as a result  
22 of the legislation that we passed as a valid  
23 one. There's going to be many owners that say  
24 hey, the city asked us to do this several years  
25 ago. We passed the cost onto our tenant and now

2 we have to do this again and pass the cost onto  
3 the tenant again. So... [coughs] excuse me. So  
4 we'll keep an eye on that and see how that  
5 develops, but I don't think that it would be an  
6 impediment to pass on this. We just have to  
7 work on a way to solve this problem, and you  
8 know, maybe with the previous panel I confused  
9 this point, but I was just very concerned that  
10 if the nuisance standards of these smoke  
11 detectors are going to be the same from one  
12 product to another, absent a requirement on a  
13 hush button, what you're going to get is tenants  
14 that take the whole smoke detector...

15 FRANK RICCI: [interposing] Right.

16 CHAIRPERSON DILAN: And throw it  
17 away and then owners are going to be getting the  
18 violation for no smoke detector. That's kind of  
19 what I was looking at, 'cause we could make the  
20 battery 10 years and people solve the problem;  
21 they do the pull out battery away, but if they  
22 don't get that thing to go off, they're going to  
23 take the whole unit and put it somewhere else,  
24 so that's a little bit of a concern and I want  
25 either the Fire Department or the administration

2 to address how we solve that problem, and the  
3 hush button could be the problem, but then I  
4 have to know it's standard on all products and I  
5 don't know if you have any opinion...

6 [crosstalk]

7 FRANK RICCI: No, no, I... look,  
8 whatever they feel is the best product we're  
9 going to put it in. We're not going to argue  
10 with tenant safety on things like that. we just  
11 wanted to make sure it's done in an orderly  
12 fashion so that you know, people aren't  
13 replacing them every two years or every three  
14 years you know, just because they put in new  
15 ones two or three years ago, and certainly going  
16 forward every one new one should be whatever  
17 they specify. I've... I... you know, this issue  
18 has come up in Albany too, which I also cover,  
19 and I've said that you know, maybe the best  
20 thing is to pass a state law that prohibits the  
21 sale or specifies that only one type is sold in  
22 the entire state. This way no one has to worry  
23 about what they're buying because I think I  
24 heard Councilwoman Crowley mention a few minutes  
25 ago that you go into a home center store,



2 whatever one, it's very confusing. For me it's  
3 very confusing.

4 CHAIRPERSON DILAN: You should've  
5 seen our first conversation about this bill.  
6 You want to do what?

7 FRANK RICCI: Yeah.

8 CHAIRPERSON DILAN: I had no idea  
9 what she...

10 [crosstalk]

11 FRANK RICCI: Yeah.

12 CHAIRPERSON DILAN: Was talking  
13 about.

14 FRANK RICCI: So there's a wide  
15 variety out there and you know, if the Fire  
16 Department and the experts they rely on specify  
17 one type and one type only, we're going to do  
18 that, but you know, it's... we just need to do  
19 it in an orderly fashion.

20 CHAIRPERSON DILAN: Okay, any other  
21 questions? Council Member Brewer.

22 COUNCIL MEMBER BREWER: Just how  
23 would it work... I know nothing about this. I  
24 mean I don't even know what we have. I have no  
25 idea, but my question is if you're an owner and

2 you have a certain kind of fire alarm now, so  
3 you're saying that... how would it switch to  
4 something that has the 10-year battery? You're  
5 trying to figure out...

6 [crosstalk]

7 FRANK RICCI: Well, the require...

8 [crosstalk]

9 COUNCIL MEMBER BREWER: What that  
10 process...

11 [crosstalk]

12 FRANK RICCI: Right.

13 COUNCIL MEMBER BREWER: Would be.

14 FRANK RICCI: But the requirement is  
15 now that if a tenant vacates... generally when  
16 there's a vacancy in an apartment, the owner  
17 will do...

18 COUNCIL MEMBER BREWER:

19 [interposing] Put in a new one.

20 FRANK RICCI: Put in a new one,  
21 yeah.

22 COUNCIL MEMBER BREWER: I see, okay.

23 FRANK RICCI: So going forward, I  
24 don't...

25 [crosstalk]

2 COUNCIL MEMBER BREWER: Okay.

3 FRANK RICCI: And I think on a  
4 vacant... and I think the Intro 1111 requires it  
5 on all vacant units; the owner do that. That's  
6 not an issue.

7 COUNCIL MEMBER BREWER: Okay, so  
8 that's how it's done now.

9 FRANK RICCI: Yeah.

10 COUNCIL MEMBER BREWER: Okay.

11 FRANK RICCI: And but then if a  
12 tenant who's responsible for replacing the  
13 battery in the current one, says, "Hey, I keep  
14 putting the battery in and I push the button to  
15 test it and it doesn't work," then the owner's  
16 got a responsibility to get them a new one, so  
17 that's not an issue either, but the way this  
18 bill is written it says also at the end of the  
19 useful life of a smoke detector, which no one is  
20 going to really be sure of given the fact that  
21 we have you know, two million apartments in the  
22 city, how you go about that in an orderly  
23 fashion is a problem, so we're saying you know,  
24 by a date certain in the future everyone should

25

2 replace every one of the smoke detectors if they  
3 haven't done so by today, alright?

4 COUNCIL MEMBER BREWER: Okay, so  
5 that would make it more orderly.

6 FRANK RICCI: Yeah.

7 COUNCIL MEMBER BREWER: Okay.

8 CHAIRPERSON DILAN: And maybe it's  
9 an opportunity that I missed, but it would be  
10 helpful if the device had an expiration date on  
11 the device so that they'd be a little bit  
12 more...

13 [crosstalk]

14 FRANK RICCI: I'm told they do have  
15 an expiration date on them, but...

16 [crosstalk]

17 CHAIRPERSON DILAN: So that means...

18 [crosstalk]

19 FRANK RICCI: The fact that they're  
20 up there now you know, the... can you imagine  
21 the... how labor intensive it would be to go  
22 into every apartment where you... also access is  
23 an issue and try and look at every one of them  
24 and figure it out.

2 COUNCIL MEMBER BREWER: Yeah, you  
3 can't get into my apartments, mm-mm. Thank you.

4 FRANK RICCI: I was going to say  
5 I've been in your house, but...

6 COUNCIL MEMBER BREWER: You can't  
7 get into my constituents' apartments.

8 FRANK RICCI: Oh.

9 COUNCIL MEMBER BREWER: They're not  
10 going to let you in.

11 FRANK RICCI: Right. Well, that's  
12 it. That's...

13 CHAIRPERSON DILAN: Well, as long as  
14 the... and in my mind I'm thinking theoretically  
15 here, 'cause I'm certainly not an expert, if  
16 there's a clear visible date as to when the unit  
17 expires at least the tenant knows that their  
18 family's not protected and may want to do the  
19 right thing by their own family and let the  
20 owner know that the device is expired, which may  
21 solve... which may solve the problem, but we'll  
22 discuss that with...

23 FRANK RICCI: [interposing] But when  
24 you have the 10-year battery in there it's going  
25 to solve it, because at that point it's going to

2 beep and you can't replace the battery, so you  
3 have to replace it.

4 CHAIRPERSON DILAN: Yeah, that's...

5 [crosstalk]

6 FRANK RICCI: Yeah.

7 CHAIRPERSON DILAN: That's exactly  
8 what I'm talking about.

9 FRANK RICCI: Yeah.

10 CHAIRPERSON DILAN: That the  
11 expiration is on the battery, not the unit  
12 itself or however they... I'm not even familiar  
13 with the product, so I have to get familiar with  
14 it. Any other questions? If not, thank you...

15 FRANK RICCI: Thank you.

16 CHAIRPERSON DILAN: For your time  
17 and testimony. So it looks like there's no  
18 other testimony on Intro 1111. All of the  
19 testimony is on 865, so why don't we call up the  
20 gentlemen... how did you prefer to do it... oh,  
21 so Dennis followed by Mr. Walker, then we  
22 have... next we'll call up... well, John  
23 Caufield already testified, so we don't need to  
24 call him up, and then the last... the last would  
25 be Russell Ash.

2 [Pause]

3 DEAN DENNIS: Thank you very much.

4 COUNCIL MEMBER CROWLEY: You can  
5 begin.

6 DEAN DENNIS: Alright.

7 [crosstalk]

8 COUNCIL MEMBER CROWLEY: Mr. Dennis.

9 [crosstalk]

10 DEAN DENNIS: My name's Dean Dennis  
11 and I came from Cincinnati, Ohio to testify. I  
12 think this issue 865 before you is exceptionally  
13 important. I heard a lot of information and  
14 I... some of it was very accurate; some of it  
15 was not accurate. I'm here to show you why this  
16 was an excellent idea and this 865 should be  
17 passed. First, I want you to meet my family. I  
18 have two daughters, two lovely daughters and a  
19 lovely wife. This is Andrea. She was my first  
20 born. I was adopted, so she actually was my  
21 first blood relative. She was born in 1982.  
22 Two and a half years later, I was blessed with  
23 another daughter, Ally [phonetic]. The kids  
24 grew up not only as sisters, but as very best  
25 friends. Where one went the other one went.

2 You can see from the pictures how close they  
3 are. The older one's always taking care of the  
4 younger one. Our girls grew up to be lovely  
5 women, and then one day a fire happened at Ohio  
6 State University. We lost Andrea. Fires are  
7 pretty common, more so than you think. We never  
8 thought we would have the short end of a lottery  
9 of losing our daughter. Andrea died with four  
10 other students. In the house; in the housing  
11 there are six ionization smoke alarms. Half of  
12 them were disabled because they were nuisance  
13 alarms and the police and Fire Department had  
14 constantly has trouble in that building. Two  
15 years later, there was another fire. My  
16 daughter died at home Sunday, 4:00 in the  
17 morning. Two years later, Palm Sunday 4:00 in  
18 the morning, my one daughter, Ally, called  
19 crying very upset. Her best friend, Marion  
20 [phonetic], almost went to a party, decided to  
21 go home at the last minute; happened to be  
22 another fire. Palm Sunday, 4:00 in the morning,  
23 Miami University Ohio, three students died.  
24 That house had more than a dozen ionization  
25 smoke alarms and by the time the first one



2 sounded, they believe two or three other kids  
3 were already dead and one kid was found 10 feet  
4 from the door. Other kids had to drop and jump  
5 out through the window. The fire was believed  
6 to have been smoldering for more than a couple  
7 hours in a couch downstairs. Ionization alarms  
8 did not alert in time and as a result, lives  
9 were lost.

10                   Now, I became an expert about two  
11 years later, when a Boston Fire Chief named Jay  
12 Fleming, who I think will be submitting his  
13 testimony, who's been studying fires forever,  
14 called Doug Turnbull, whose daughter, Julie,  
15 died two years after Andrea and said, "You know,  
16 your daughter would've been alive if that house  
17 had been equipped with photoelectric alarms.  
18 Ionization alarms are a big problem." Doug and  
19 I had become friends because I went to Julie's  
20 funeral 'cause I knew how hard it was after  
21 losing a daughter and I knew the journey they  
22 were going to go on, and it had been two years  
23 since I had lost my daughter. I showed up at  
24 the funeral and just stood outside. I waited  
25 for the Turnbulls to leave and I asked the

2 pastor I said, "Could you introduce me? I want  
3 to let them know that I lost my daughter at the  
4 Ohio State fire and I want to be there for  
5 them." We became friends and that's why Doug  
6 and I, we travel all over trying to spread our  
7 story. You've know, we feel very passionate  
8 about this because we know the misinformation  
9 about ionization alarms and the foot dragging  
10 that's been going on for 30 years in the fire  
11 industry.

12                   Now, this is what you've already  
13 heard today and this is very, very typical.  
14 Everybody needs a smoke alarm. Everybody needs  
15 to maintain it; make sure you have a battery in  
16 it, and then sometimes you'll hear ionization  
17 alarms are faster detecting flaming fires and  
18 photoelectric alarms are faster detecting  
19 smoldering fires, but they never tell you how  
20 much. It's what they don't tell you that's the  
21 devil in the detail. Ionization alarms are  
22 faster in a flaming fire. How much faster? On  
23 the average through all testing about 30  
24 seconds; however, most people don't die from  
25 flaming fires in houses. Think about it. Do

2 you go to bed at night with a flaming fire in  
3 your house? Flaming fires are usually caused  
4 when people are up and around and activities are  
5 occurring. You seldom need a smoke detector  
6 that lets you know you have a flaming fire in  
7 your house. Most people die at night. We read  
8 about it in the paper all the time, and they die  
9 from smoldering fires. Now, this whole thing  
10 about flaming fires and smoldering fires is a  
11 little... I don't like it because there's stages  
12 of fires. They all go through stages. You  
13 always have some smoke at any point in a fire.  
14 An ionization detector has trouble detecting  
15 smoke, pure and simple.

16           Now, this looks like a very busy  
17 slide. I'm going to try to go over it quickly  
18 to make some sense for it because I heard a lot  
19 of information here earlier. At the very  
20 bottom; I don't know if you can see the dot;  
21 there's an ionization flaming stage; a  
22 photoelectric flaming stage. Both of those...  
23 both technologies will detect the flaming stage  
24 of a fire more than adequately. The problem is  
25 as smoke leaves its source it cools, the

2 particles become larger and when the particles  
3 become larger, the ionization due to the  
4 technology has trouble detecting it. Ionization  
5 alarms are very good at submicron particles,  
6 one-third of a micron. Now, the point was  
7 brought up about our furniture today.  
8 Polyurethanes, when they smolder and they burn,  
9 guess what size they throw of particles?  
10 Greater than a full micron, too large for the  
11 ionization to detect. That's why if you... and  
12 you can check this out, and I say this  
13 everywhere I present, I will give anybody in  
14 this room \$50 if you can find anybody that's  
15 ever died in a fire with a photoelectric smoke  
16 alarm where they blamed that alarm for not  
17 sounding. When... and the reason I say that;  
18 people tried to take me up on it and when they  
19 do the research they find out 100 percent of all  
20 lawsuits involved involve ionization smoke  
21 alarms because they're faulty. They do not  
22 sound in time. Ionization alarms, not only do  
23 they not detect flaming visible fire or smoke  
24 particles as they cool, they also get disable  
25 five to eight times by every research study. So

2 if you want people to have a working smoke  
3 alarm, you never want to recommend an ionization  
4 smoke alarm because ionization technology  
5 inherently gets disabled because of the  
6 problems. Now, the fire that Julie Turnbull  
7 died in at the Miami University, two and a half  
8 years later after that fire, a story was being  
9 done. They wanted to go through the new house  
10 that was rebuilt. They had put hard wired  
11 ionizations detectors in there. When the press  
12 went in there guess what they found? The smoke  
13 detectors had been ripped out of the ceiling by  
14 the college students because of the nuisance  
15 alarm problems.

16           Now, we were talking about evidence.  
17 Well, here's some evidence that's pretty... I  
18 think pretty important evidence. This is  
19 Consumer Product Safety Commission. Here's over  
20 30 days they studied eight houses with 234  
21 cooking events. To your left are percentages.  
22 Ionizations had 6.2, over six percent unwanted  
23 activations. The dual sensors, which we heard  
24 people advocate for, because they have  
25 ionization technology in them, and the

2 manufacturers are free to set those sensors  
3 whatever levels they want, they have the highest  
4 rate of nuisance alarm problems. They will get  
5 disabled the most. They are almost eight  
6 percent, and here's your photoelectric 1.6  
7 percent and I was glad the question was asked by  
8 the councilwoman about... to the NFPA gentleman  
9 about don't your own codes suggest around  
10 kitchens, photoelectrics? They do, within 10  
11 feet. They say photoelectrics from 10 to 20  
12 feet. They want a hush button on an ionization  
13 or a photoelectric. The preferred technology is  
14 photoelectric, and let me tell you something  
15 else. Outside of those areas when you have a  
16 fire as smoke travels and rises, ionization's  
17 not going to detect it; photoelectric will.  
18 Here is the NFPA testifying that 97 percent of  
19 all unwanted activations around kitchens are  
20 ionization type detectors, so when you're  
21 looking at your housing in New York City, if you  
22 have a small area you do not want ionization  
23 technology to be people thinking that that type  
24 of technology is going to save them; that one,  
25 they'll get disabled and two, if they actually

2 have a fire, they are liable to die. Matter of  
3 fact, they're likely to die.

4           Now let's look at some more testing.  
5 NIST stands for the National Institute of  
6 Standards and Technology, and you can see in  
7 most of the tests both alarms activate very  
8 close to each other; however, in some of the  
9 tests when some of your fires that really have  
10 the smoldering stage, look at test three and  
11 four; 22 minutes, 39 minutes. The 39 minute was  
12 actually a house on the first floor in the  
13 living room. There was a smoldering fire in the  
14 living room. About 40 feet away down the hall  
15 and off there's a bedroom with alarms being  
16 protected. The photoelectric sounded 40 minutes  
17 before the ionization alarm. This is government  
18 testing. More government testing: ASET, a  
19 fancy way for saying how fast can you get out of  
20 the house before the fire kills you. It's  
21 Available Safe Egress Time. Now, here's your  
22 flaming test in 2008. You can see the higher  
23 number is better, so yes, the ionization give  
24 you more time; 52 seconds to 108 seconds, but if  
25 you go down and add those seconds up, it's an

2 average of 30 seconds. The problem is you're  
3 getting your smoldering fires. Now, here's...  
4 you have a fire downstairs in your... you have  
5 smoldering in your living room. Upstairs on the  
6 second floor in the hallway are your smoke  
7 alarms, a very typical set up. You got 16  
8 seconds to get out of the house. So a family  
9 gets out of the house on an average of 16  
10 seconds. Now, if they had... if that family has  
11 a couple extra kids or if somebody's extra  
12 tired, they're not going to get out of that  
13 house. With photoelectric you've got 55  
14 minutes. This is the government testing. You  
15 could wake up, hear the alarm, go down and find  
16 out what's wrong, put the fire out and not even  
17 call the Fire Department. Now, if it happens to  
18 be a summer night and your air conditioners are  
19 circulating, that 55 minute time gets dropped  
20 down to 46 minutes, but you've been dead 54  
21 seconds with an ionization alarm. That's the  
22 difference between ionization and photoelectric.  
23 That's why 865 is critical that you really  
24 understand it. Don't listen to the fact that  
25 there's not evidence. The evidence is



2 everywhere if you look. Matter of fact, that  
3 Boston Fire Chief that I was telling you about,  
4 when Massachusetts... when Boston was looking to  
5 go strictly photoelectric and mandate  
6 photoelectric technology, the Boston City  
7 Council called in the NIST to testify and within  
8 their testimony they admitted that sometimes  
9 ionization alarms will not sound at all even  
10 when there's a room full of smoke. Let me tell  
11 you, Massachusetts since the '90s whenever you  
12 had a remodel job, you had to hard wire  
13 photoelectric type technology in, and for 20  
14 years in the '90s the Boston Fire Department  
15 only passed out photoelectric smoke alarms.  
16 It's not only the government that tests this.  
17 Texas A&M, University of Colorado State, they  
18 did testing for two and a half years on this.  
19 They used a testing model designed by Bell  
20 Laboratories for the Navy Metamend System. It's  
21 called a Fault Tree Analysis. After two and a  
22 half years, the type... here's your survival  
23 chances: a flaming fire, the blue at the  
24 bottom, photoelectric only had a four percent  
25 failure rate. You got a 96 percent chance of

2 surviving a fire. The ionization, because the  
3 fact they factor in that people are going to  
4 disable their alarms 'cause of nuisance alarms,  
5 you only have an 80 percent chance of surviving  
6 a fire. The smoldering fires: once again,  
7 photoelectric you got a 96 percent chance of  
8 surviving. A smoldering fire with the  
9 ionization you got a 44 percent chance of  
10 surviving, less than half. Now, this person  
11 will be submitting probably the testimony as  
12 well, but I'm telling you the fire scientists  
13 across the United States that independently do  
14 this research unanimously agree that  
15 photoelectric is what you have to have. I heard  
16 the statement about fire deaths. Well, here's  
17 the actual pie charts on fire deaths. These are  
18 everybody that died, but yet had purchased a  
19 smoke alarm. About a third of people died that  
20 had no smoke alarm at all; they didn't even  
21 purchase one, but if you look over on the green,  
22 37 percent bought a smoke alarm and for some  
23 reason the batteries were disabled and they had  
24 a fire and they died and the number one reason  
25 for disabling batteries, as we all know,

2 ionization alarms have a 97 percent disable... I  
3 mean that 97 percent are the type of alarms that  
4 get disabled, and I'm sure in New York 90 to 95  
5 percent of all of you have ionization alarms.  
6 Now, you go over to the red. These people,  
7 actually their alarms were found to be working,  
8 but they died anyway. Why is that? Well,  
9 there's a lot of reasons. One, people go back  
10 in; tried to save their family; they tried to  
11 fight fires. Sometimes people were  
12 incapacitated; sometimes they're elderly or  
13 young, but an overwhelming factor to consider is  
14 when you know that one alarm is a half an hour  
15 to an hour better in a smoldering fire or  
16 sometimes doesn't go off at all as according to  
17 our own government's testimony, you're going to  
18 have a significant number of people. So these  
19 2,000 plus people that died, if they had just  
20 had photoelectric technology instead of  
21 ionization, likely that number would be cut in  
22 half.

23 I want to conclude by talking about  
24 Baltimore and Boston. I heard a statement made  
25 that they studied this in California, they

2 studied this in Ohio and they studied this in  
3 Maryland. Well, guess what? I testified in  
4 California. That committee was made up of...  
5 half of the people on that committee were made  
6 up of people that had economic interest in the  
7 smoke alarms; the other half did not. At the  
8 end, they required a two-third vote to get  
9 anything in writing. People quit and walked out  
10 of the committee and asked for their name not to  
11 be put on that of the people that were not part  
12 of the... that had... that were part of the fire  
13 service industry that did not have an economic  
14 gain because the people with the economic gain  
15 did not... were pushing an agenda. In Ohio;  
16 testified there too; guess what? Nine cities in  
17 Ohio went photoelectric. There's a mutiny right  
18 now among a lot of people in the Fire Department  
19 and Fire Chiefs and firefighters because our  
20 State Fire Marshall they thought ran a very poor  
21 task force. Nine cities have gone photoelectric  
22 in Ohio including my city of the city of  
23 Cincinnati, where if you have a rental property  
24 it must be photoelectric. Now, in Baltimore the  
25 Maryland Task Force. They think a smoke alarm's

2 a smoke alarm as long as it has an Underwriter  
3 Lab seal. They don't educate the public or the  
4 difference between technologies. They just want  
5 everybody to have a smoke alarm with the UL  
6 seal. Baltimore has 600,000 people. Boston;  
7 colder climate; 650,000 people with a culture of  
8 photoelectric, and we're going to look at the  
9 residential fire deaths. From 2009 to 2012,  
10 Baltimore had 75 fire deaths. I left Boston  
11 blank. Does anybody in here want to venture how  
12 many fire deaths they had in a larger city and a  
13 colder city of Boston in that same four-year  
14 period? Just anybody pick a number. Four.  
15 Now, if that's not proof that the technology  
16 works, I really don't know what is. I'm going  
17 to conclude right now, but if anybody has any  
18 questions, I would certainly...

19 CHAIRPERSON DILAN: Yeah, just on  
20 this.

21 [crosstalk]

22 DEAN DENNIS: Be happy to entertain  
23 it.

24 CHAIRPERSON DILAN: Just on this, so  
25 I thought I heard you say earlier that Boston

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2 mandated the use of this product and

3 Baltimore... what...

4 [crosstalk]

5 DEAN DENNIS: Yes.

6 CHAIRPERSON DILAN: Was Baltimore's  
7 status? And Baltimore did not mandate or allow  
8 both products?

9 DEAN DENNIS: Baltimore does not say  
10 anything. Baltimore is like New York...

11 CHAIRPERSON DILAN: [interposing]  
12 Like new York...

13 DEAN DENNIS: City.

14 CHAIRPERSON DILAN: Like New York  
15 City?

16 DEAN DENNIS: Nobody knows what they  
17 have.

18 CHAIRPERSON DILAN: Yeah.

19 DEAN DENNIS: Nobody educates or  
20 recommends anything.

21 CHAIRPERSON DILAN: Well, I think  
22 ours was clear. They said that both products...

23 [crosstalk]

24 DEAN DENNIS: Mm-hm.

25

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2 CHAIRPERSON DILAN: Are fine, but  
3 it's...

4 DEAN DENNIS: [interposing] Yeah.

5 CHAIRPERSON DILAN: The market,  
6 which is... you know, which I don't have a  
7 problem with. The market's the market, but the  
8 market...

9 [crosstalk]

10 DEAN DENNIS: Yeah.

11 CHAIRPERSON DILAN: Chose one  
12 product.

13 DEAN DENNIS: Yeah, now what's...

14 [crosstalk]

15 CHAIRPERSON DILAN: And that's kind  
16 of what happened.

17 DEAN DENNIS: What's interesting  
18 when you talk about the market, I don't know if  
19 the gentlemen up here were familiar, but HITA,  
20 100 percent of their new products; their worry-  
21 free ranges of alarms only uses photoelectric.  
22 I'm not sure if you know this, but First Alert,  
23 which is BRK, their newest technology, the ATOM,  
24 only uses photoelectric technology. The latest  
25 technology out there, which will signal you on

2 your cell phone if you have a fire, is by a  
3 company called Ness. They only use  
4 photoelectric technology. The industry is  
5 putting all their money in photoelectric  
6 technology. When I talk to the people in the  
7 industry, I say, "Well, why do you even make  
8 ionization alarms anymore?" And they go,  
9 "People buy it. There are cities that want  
10 both. We're going to keep making it until... as  
11 long as people are buying it." The  
12 photoelectric... ionization technology got here  
13 by Seaman's Corp in the '30s. Last year,  
14 Seaman's Corp quit making ionization technology  
15 altogether and for their systems they only gave  
16 five more years for all the replacement parts,  
17 so I'm just telling you that if you want to be  
18 cutting edge and progressive you'll endorse this  
19 bill because this bill really... the people have  
20 done their homework on this bill.

21 CHAIRPERSON DILAN: 'Kay, thanks and  
22 you know, thank you for sharing your story with  
23 us. It's a pretty...

24 [crosstalk]

25 DEAN DENNIS: And thank you.



2 CHAIRPERSON DILAN: Pretty intimate  
3 story that you shared. It's not often that  
4 people come up and share their lives.

5 DEAN DENNIS: Well, I felt it was  
6 very important and I really do appreciate New  
7 York entertaining...

8 [crosstalk]

9 CHAIRPERSON DILAN: We're...

10 [crosstalk]

11 DEAN DENNIS: This.

12 CHAIRPERSON DILAN: We're certainly  
13 sorry for your loss. I just have one brief  
14 question.

15 DEAN DENNIS: Mm-hm.

16 CHAIRPERSON DILAN: Just aside from  
17 your personal experience, which is what you  
18 shared with us and...

19 DEAN DENNIS: [interposing] Mm-hm.

20 CHAIRPERSON DILAN: Trust me, as a  
21 father who would... lost a child, I would  
22 imagine that when you decide to dig into  
23 something as a result of the loss of your  
24 daughter you would dig into it with all your  
25 passion.

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2 DEAN DENNIS: Right.

3 CHAIRPERSON DILAN: But aside from  
4 personal, what's your professional experience  
5 with this?

6 DEAN DENNIS: Well, that's...

7 CHAIRPERSON DILAN: [interposing]  
8 And personal's fine, trust me. I'm not trying  
9 to...

10 [crosstalk]

11 DEAN DENNIS: Okay.

12 CHAIRPERSON DILAN: I just want to  
13 give...

14 [crosstalk]

15 DEAN DENNIS: I happened to retire  
16 with 35 years and I ran the court system for the  
17 Cincinnati Public Schools. When I got onto this  
18 I spent 40 hours for six years reading every  
19 research report.

20 CHAIRPERSON DILAN: Okay, so a lot  
21 of it is personal and through the experience.

22 DEAN DENNIS: Well...

23 [crosstalk]

24 CHAIRPERSON DILAN: And you know,  
25 either way...

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2 [crosstalk]

3 DEAN DENNIS: Right.

4 CHAIRPERSON DILAN: It's fine. I

5 just...

6 [crosstalk]

7 DEAN DENNIS: Yeah.

8 CHAIRPERSON DILAN: If there was I

9 wanted to establish...

10 [crosstalk]

11 DEAN DENNIS: No, exactly.

12 [crosstalk]

13 CHAIRPERSON DILAN: For the record,

14 that's all.

15 [crosstalk]

16 DEAN DENNIS: And if I really

17 thought...

18 CHAIRPERSON DILAN: [interposing]

19 Uh-huh.

20 DEAN DENNIS: The direction to go

21 was dual sensors or a combination, I would say

22 that. I'm all about saving lives. I mean I

23 would not... I don't want anybody else's

24 family... I think it's the cleanest, best way to

25 go, is what's before you.

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2 CHAIRPERSON DILAN: Alright, thanks.

3 Thanks for your time.

4 DEAN DENNIS: Mm-hm.

5 CHAIRPERSON DILAN: And thank you  
6 for coming all the way to New York to share your  
7 story. We've also been joined by Council Member  
8 Rose Mendez of Manhattan, who is here with us  
9 and we were joined earlier by Council Member  
10 Robert Jackson of Manhattan, who was here with  
11 us a little bit earlier.

12 [Pause]

13 SKIP WALKER: Are we okay to  
14 proceed?

15 CHAIRPERSON DILAN: Yeah, you can  
16 just begin by stating your name in your own  
17 voice for the...

18 [crosstalk]

19 SKIP WALKER: Yeah.

20 [crosstalk]

21 CHAIRPERSON DILAN: Record and then  
22 you may...

23 [crosstalk]

24 SKIP WALKER: My name is Skip Walker  
25 and I'm actually a home inspector from

2 California, so as kind of random as that sounds  
3 and if you're thinking it's a little strange  
4 that someone would fly all the way out here to  
5 talk about this, my wife agrees with you  
6 actually. So the...

7 CHAIRPERSON DILAN: [interposing]  
8 What part of California?

9 SKIP WALKER: San Francisco.

10 CHAIRPERSON DILAN: Oh, okay.

11 SKIP WALKER: So anyway, this came  
12 on my radar a few years back when I heard  
13 actually a colleague of Dean Dennis's talk at a  
14 local meeting. I'm a member of the American  
15 Society of Home Inspectors and also California  
16 Real Estate Inspection Association. Those are  
17 the two oldest home inspection organizations in  
18 the United States. They both were founded in  
19 like 1976 and they kind of disagree back and  
20 forth on what one got founded first in 1976, but  
21 the one thing that they agree on absolutely is  
22 that photoelectric technology is superior to  
23 ionization. Both of them have position  
24 statements that say that they support  
25 legislation for photoelectric only technology.

2 These are the two oldest home inspection  
3 organizations in the United States and one of  
4 the things that we promote is public safety. It  
5 is our very firm belief that if we were to  
6 switch all the smoke alarms; magically wave a  
7 wand and they all changed tonight, that we'd  
8 drop the fire death rate in the United States by  
9 a minimum of 40 percent. This is like the  
10 easiest thing in the world to do; not a lot of  
11 money. We're not putting sprinklers in  
12 everybody's homes; no new technology. You can  
13 buy these things. I bought mine on Amazon and I  
14 think I paid about \$13 or \$14 apiece for them.  
15 So it's not a significant investment, but it's a  
16 big bang for the buck when it comes to saving  
17 lives. We feel that this is important, ASHI and  
18 CREIA and myself, because whatever New York City  
19 does has implications across the country. I can  
20 tell you I've heard a number of people say well,  
21 you know, Cincinnati did it; Palo Alto,  
22 California did it. Tell me that somebody like  
23 New York or New York City did it; then I'll  
24 listen. Well, you guys set the tone for what

2 happens elsewhere. People listen when you guys  
3 do stuff.

4                   To kind of get going on the  
5 presentation really quickly, the thing that I  
6 think is important to understand is the United  
7 States from a fire safety standpoint is actually  
8 like a third-world country. Our fire safety  
9 death rate in the United States is about six  
10 times higher than other industrialized nations.  
11 So you can see Singapore has about a 2.3 per  
12 million fire death rate; Swiss two. We're a 12.  
13 Now those numbers change from year to year, but  
14 I don't think I've ever seen them lower than 11  
15 for the U.S. Hungary is the only industrialized  
16 nation that has a worse fire death rate record  
17 than the United States. That's an indictment on  
18 what we're doing. If we look at the number of  
19 households in the United States that have smoke  
20 alarms it's about 96 percent, and all the data  
21 I'm using comes from the places that the  
22 gentlemen earlier mentioned; NIST, NFPA. I'm an  
23 NFPA member. I belong to the International Code  
24 Council. I've got five different certifications  
25 from the Code Council. I've read all these

2 reports; UL. You name it; I've read it much  
3 like Dean. There are 96 percent of the U.S.  
4 homes that reportedly have at least one smoke  
5 alarm. About 90 to 95 percent of those smoke  
6 alarms are ionization alarms. That's just the  
7 way the sales numbers worked out. Ionization  
8 alarms tend to be a few bucks cheaper and they  
9 were advertised very heavily, so they have the  
10 biggest market penetration. If we look at fire  
11 death rates from 1977 to roughly 2011; this is a  
12 chart that came right from NFPA; what we see is  
13 that the number of fires and the number of fire  
14 deaths has dropped about 50 percent over that  
15 period, which is really good. However, the odds  
16 of dying in a fire if a fire occurs over that  
17 period of time didn't change much and over that  
18 period of time we put in hundreds of millions of  
19 smoke alarms in the United States. So if we  
20 were putting in a bunch of smoke alarms, you  
21 would expect the risk of dying to actually have  
22 altered. This is actually one of the things  
23 that kind of bugs me the most about this whole  
24 thing is we look at the fire death rate... the  
25 number of fire deaths that occur in the United



2 States over the last almost 100 years. Again,  
3 you would expect that if we were... if smoke  
4 alarms had a direct input into the number of  
5 fire deaths; the drop in them, that we would see  
6 some change in the shape of that curve when we  
7 started putting smoke alarms in back in the  
8 '70s. In fact, the decline started back in 1918  
9 and has been progressively getting lower ever  
10 since, so there doesn't seem to be a cause and  
11 effect with smoke alarms. That, to me, is a red  
12 flag and in fact, NFPA says that in one of their  
13 reports. Even though we have a significant drop  
14 in the number of fires and number of fire  
15 deaths, the number... the risk of dying in a  
16 fire hasn't dropped proportionately over that  
17 period of time. That's right out of an NFPA  
18 report in 2011. The bottom line to Dean's  
19 point: all fires do not carry the same risk.  
20 If we look, cooking or fast flame fires account  
21 for about 42 percent of fires. This is NFPA  
22 data. Smolder and... but only about 15 percent  
23 of deaths, so a lot of injuries with fast flame  
24 fires; not so many deaths. If we look at  
25 smoldering fires, only about 23 percent of

2 fires, but 61 percent of deaths and then there's  
3 some others in there where they're unaccounted  
4 for or they can't identify specifics, so that's  
5 when the numbers don't add up. However, time of  
6 day, if we look at when the deaths occur, 66  
7 percent of the fire deaths occur between 8:00  
8 and 8:00. That's when people are sleeping.  
9 Those are mainly smoldering fires. About two-  
10 thirds of fire deaths occur in homes with no  
11 functional smoke alarm. Again, this is a CPSC  
12 NFPA data, yet 96 percent of U.S. homes have  
13 smoke alarms, and about 50 percent of the homes  
14 with non-functional smoke alarms cite nuisance  
15 tripping as the reason why they disconnected the  
16 alarm and we already know that nuisance tripping  
17 is almost 100 percent... it's about... it  
18 depends on whose study, but the mid-80s to 97  
19 percent of nuisance tripping is attributed to  
20 ionization alarms. The other 50 percent have  
21 missing batteries, mechanical, electronic  
22 failure problems, so there's about a third of  
23 fire deaths roughly that fall into that  
24 category. If dead batteries are such a problem,  
25 then you know, it seems obvious that putting 10-

2 year batteries in the smoke alarms would be the  
3 problem, but to the Chairman's point, if you  
4 can't take the battery out, so people simply  
5 remove the whole alarm. This is a hard wired  
6 alarm. I can show you hundreds if not thousands  
7 of photos that look like that from the 4,000  
8 homes that I've inspected over my career and you  
9 will find hard wired battery back-up alarms in a  
10 closet where they nuisance tripped and people  
11 took them down rather than listen to them.  
12 You'll find battery operated smoke alarms where  
13 people gutted them. They I mean literally  
14 ripped cases off of them; everything else where  
15 that that same thing occurred; they nuisance  
16 trip when they cook, and consequently they  
17 remove the alarm. I just did a duplex the  
18 other... about a couple months ago where there  
19 were four brand new combination alarms; ion and  
20 photo alarms. The property manager was really  
21 proud of the fact they just put them in 30 days  
22 before I got there. When I went through the  
23 complex, out of four alarms one was actually  
24 still installed and functional. So three out of  
25 four alarms were disabled intentionally within

2 30 days and I asked the tenants why. I didn't  
3 you know, beat up on them or anything. It was  
4 just, "Tell me about the smoke alarms," and the  
5 one guy said, "As soon as we put them up that  
6 next... that evening we cooked, it went off and  
7 I took it down." That's what nuisance tripping  
8 does. As soon as you don't have an alarm, you  
9 double your chances of dying in a fire. So  
10 here's... they were saying there's no real  
11 research on the effect of 10-year batteries.  
12 Here is a Center for Disease Control report that  
13 says, "Eight to 10 years after installation of  
14 lithium power; that's 10-years batteries; smoke  
15 alarms the inspectors found that one-third of  
16 the alarms were still functional. So at 10  
17 years out, only a third of the alarms can still  
18 be expected to be functional. Oddly enough, if  
19 you look down on the bottom 34 percent of the  
20 dwellings all of the installed alarms in the  
21 home were missing, so a third of the population  
22 and it this was a fairly large sample. A third  
23 of the population didn't have the original 10-  
24 year alarms and this was a 10 year study just  
25 finished and published in 2010. In the packet I

2 gave you there's actually copies of my slides so  
3 you can actually get the references and look  
4 them up if you want. The Dallas Alarm  
5 Evaluation also says, "Lithium powered ions are  
6 supposed to function for 10 years. It was  
7 apparent from our follow up testing that they do  
8 not. Although 90 percent of the program houses  
9 had at least one working smoke alarm at two  
10 years, the proportion was down to 20 percent for  
11 the 10 year sample." So in other words, the 10-  
12 year batteries don't last 10 years or people  
13 disable them. So there's... the point I guess  
14 is the 10-year battery tamper-proof stuff is not  
15 a panacea and you can't rely on it alone to  
16 carry the day and save people's lives.

17 Here's a letter from BRK First  
18 Alert. You'll find that in your package. What  
19 it says is... this is a letter to fire officials  
20 in the state of Vermont; that First Alert's  
21 offering two scientifically substantiated  
22 determinations. Photoelectric alarms exhibit  
23 significantly fewer nuisance alarms than  
24 ionization alarms to silence the triggers, but  
25 22 percent of consumers remove the batteries and

2 First Alert says, "We support and encourage fire  
3 service administration law makers that are  
4 moving towards the use of photoelectric sensing  
5 technology." That's the second largest smoke  
6 alarm manufacturer in the United States after  
7 Geta, so the manufacturers know. The key to  
8 saving lives is in reducing that two-thirds that  
9 have the non... fire deaths that have that non-  
10 functional alarm. We have to eliminate nuisance  
11 trips to do that though, because that's the only  
12 way the alarms are going to stay in place and be  
13 effective when they're needed.

14 We already talked about what the  
15 difference is between ion and photo. Ionization  
16 basically is two little metal plates with some  
17 radioactive material and the smoke particles  
18 essentially disrupt the field. Photoelectric:  
19 think of a garage door opener with little beams.  
20 The smoke gets in between and it sets them off.  
21 So the problem comes to Dean's point in that the  
22 ionization alarms are very poor at picking up  
23 the kinds of smoke that occur in smoldering  
24 fires. They almost don't pick it up and both  
25 types will actually pick up flaming fires

2 relatively well, so if we look at ionization  
3 alarms, about 90 percent of U.S. installs very  
4 prone to nuisance tripping; very slow at  
5 smoldering fire detection. The average  
6 according to NIST, which is National Institute  
7 of Standards and Technology, is 30 minutes and  
8 the range is actually 15 to 90. Now, I would  
9 ask anybody in this room, including the Fire  
10 Marshall that was here earlier, "Are you going  
11 to hit the snooze button for 30 minutes if you  
12 have a fire in your house or do you want to get  
13 out?" These alarms give you less time to get  
14 out. They are slightly faster for flaming  
15 fires. The average is in the 30 to 90 second  
16 range. That may be significant under  
17 exceptional conditions, but for the most part  
18 you're going to have proper emergency egress  
19 times with both types of technology and fast  
20 flame fires. Photoelectric probably five  
21 percent or less of U.S. installs, about...  
22 virtually no nuisance tripping, about three  
23 percent. An Alaskan housing study that I looked  
24 at, the only photoelectric alarm that was  
25 disabled in that population, and I think they

2 did like 900 homes, was one where the family  
3 took the 9-volt battery out to power a kid's  
4 toy. So I guess in an Alaskan winter it was  
5 more important to have the kids have a toy that  
6 worked than a working smoke alarm, but the  
7 bottom line is their average is about 30 minutes  
8 faster in smoldering fires. They're only  
9 slightly slower in flaming and that average is  
10 about 50 seconds and I just want to make sure...  
11 oh, I know. The other thing I forgot to mention  
12 on the ionization alarms is they will fail about  
13 one in five fires outright meaning they never go  
14 off. That's a functional alarm not actually  
15 functioning. Texas A&M... this is the... me and  
16 Dean kind of overlap a little bit on this. They  
17 use that two and half year study. I gave you in  
18 the packet I handed out the actual report that  
19 we referenced and I highlighted the page.  
20 That's actually a different one. There's a  
21 shorter one there that's Texas A&M, and if you  
22 look it'll actually... I tabbed the page,  
23 highlighted the data so you can see exactly  
24 where I got this stuff from. There's no... I'm  
25 not making anything up. The smoldering fires,



2 the probability of a fatality with an ionization  
3 alarm in a smoldering fire condition is about 55  
4 percent, meaning 45 percent of the time that  
5 alarm's going to save your life. This is like  
6 air bags that only go off half the time when you  
7 have an accident. Photoelectric, the  
8 probability is only four percent of a fatality,  
9 and part of that deals with electronic failure  
10 and maintenance issues, meaning again, ions work  
11 only about 45 percent of the time; photos work  
12 about 96 percent of the time. In flaming fires,  
13 we had about almost a 20 percent probability of  
14 failure with ionization alarms. That's where  
15 they're supposed to work the best. In fact, the  
16 problem with that is they take into account the  
17 nuisance tripping and intentional disconnect  
18 problem. So you can see I think the only one  
19 that has a clear advantage and even if you  
20 really come down to it, a four percent failure  
21 rate in a life safety system is still not really  
22 all that good. When you really come down to it  
23 that's... but that's the best we have right now.  
24 If we look at that one you were just holding up,  
25 Chairman, that's a UL study. This is UL running

2 smoke alarm tests to UL standards. If we  
3 look... and I don't know if we have a... nope,  
4 no, sorry. We don't have a pointer. If you  
5 look at the very top, that is the test that you  
6 run that a smoke alarm has to actually pass in  
7 order to be legally sold in the United States,  
8 and that column on the left hand side with the  
9 circles, those are ionization alarms being  
10 tested and you see DNT means did not trip, so  
11 this is a UL test run on smoke alarms where  
12 they're supposed to pass 100 percent of the time  
13 and we got a 20 percent failure rate. The only  
14 place they were faster was the ionization alarm  
15 beat the photos in the burnt bread toast test.  
16 They actually burnt toast and found out that  
17 it's not our imagination that ionization alarms  
18 are actually faster. Here, they actually ran...  
19 and the synthetic materials are not part of the  
20 UL tests currently. This was a test to  
21 determine whether they should be or not. That  
22 column right there is polyurethane foam tests to  
23 UL standards, so UL ran the test. What they  
24 found is that in seven out of eight tests, that  
25 the ionization alarms never went off when they

2 have tested them to the... this is polyurethane  
3 foam like you'd find in a couch or a bed or the  
4 chairs you're sitting on. In the one case where  
5 the ion actually went off it was 43 minutes  
6 after the photoelectric in the same test. In  
7 every case all of the tests you just saw the  
8 photos went off within standard on every single  
9 test. So the only place where we can... where  
10 we can make a difference is making sure we keep  
11 the alarms connected meaning keep batteries in  
12 them, keep them on the ceiling and then give  
13 people alarms that actually go off and the only  
14 alarm that can do that is a photoelectric. All  
15 the data says that. I don't... I... and the  
16 data I use comes from NIST, UL, CPSC, NFPA,  
17 Texas A&M, you name it. You can take these  
18 reports time after time and for the last 40  
19 years they all say the same things. These four  
20 states actually have photoelectric technology  
21 right now. One of the things that Dean didn't  
22 get a chance to, but I know Jay Fleming will, is  
23 the...

24 CHAIRPERSON DILAN: [interposing]

25 What's up with California?

2 SKIP WALKER: I'm working on them.  
3 That's all I can tell ya.

4 CHAIRPERSON DILAN: Well, is it...  
5 Well, is it Schwarzenegger's fault like what's  
6 going on?

7 SKIP WALKER: No, Jerry Brown won't  
8 sign a law...

9 [crosstalk]

10 CHAIRPERSON DILAN: Oh.

11 SKIP WALKER: Unless the State Fire  
12 Marshall goes for it and the State Fire Marshall  
13 it's a political appointee position and she  
14 won't. So but anyway, these have it and one of  
15 the things that I think Jay Fleming makes the  
16 point of is if you look at the fire deaths  
17 statistics in Boston in Massachusetts versus  
18 Baltimore in Maryland before and after the photo  
19 ordinances, before they were very similar and  
20 almost as soon as they started to put in  
21 photoelectric technology en masse and in Boston  
22 the two started to diverge and that's when you  
23 see that one per year and 18 per year number  
24 that Boston has now. They have the lowest fire  
25 death rate in the United States of any major

2 city barring any size. Ohio we've got eight  
3 cities, California's got four. There of them  
4 are in my area. Averyana's Law is currently  
5 pending in the New York State Assembly. It's in  
6 Committee. One of the things they say is  
7 Averyana Dale most likely lost her life because  
8 the ionization smoke detector that was present  
9 in the home that she was in did not alert her in  
10 time for the fire until it was too late. That's  
11 in the state law justification. So that little  
12 girl and her godmother died in a house where  
13 they really didn't have to die and this gets  
14 repeated every day in the United States over and  
15 over again and it is pointless.

16           The International Association of  
17 Firefighters, the largest union representing  
18 firefighters in the U.S. and Canada, they got  
19 300,000 members, specifically calls for  
20 photoelectric only and they specifically say no  
21 combination alarms. Ditto for the American  
22 Society of Home Inspectors; ditto for the  
23 California Real Estate Inspection Association.  
24 I wrote both of those position statements and  
25 got them passed. Let's see here.

2           In closing, I can't make the point  
3 strongly enough. All fires are not equal. Two-  
4 thirds of all fire deaths occur in homes with no  
5 functional alarm. Half of those non-functional  
6 alarms are attributed to nuisance tripping.  
7 Almost all nuisance trips come from ionization  
8 alarms. Of the remaining third only 15 percent  
9 of the deaths are actually attributed to flames,  
10 which is not to say that those 15 percent are  
11 not important people, but the photoelectric  
12 alarms would've protected those people in almost  
13 all cases. There's never been a wrongful death  
14 suit against a manufacturer for a photoelectric  
15 alarm, yet there's been many and they've won a  
16 bunch of times on ionization alarms. Currently  
17 UL is actually named in a lawsuit in Alabama for  
18 failure to provide a meaningful testing  
19 standard. Requiring 10-year anti-tamper alarms  
20 alone cannot fix this problem. If you change to  
21 photoelectric alarms at least 1,000 people in  
22 the U.S. would not die annually and if you think  
23 about it, if the smoke alarm is doing its job  
24 and people wake up and they get outside and they  
25 call the Fire Department, when the Fire

2 Department gets there their job then is to pour  
3 water on the house that's on fire. They don't  
4 have to go inside, so you're actually going to  
5 put your first responders at risk less if the  
6 smoke alarms actually work. They're not going  
7 to have to go in and recover bodies, which is  
8 probably what they're going to be doing when  
9 they get there on an ionization alarm where  
10 there's been a delayed response, and understand  
11 no smoke alarm's going to save everybody. It's  
12 not possible, but we can do so much better than  
13 we're doing right now. I mean what we've got  
14 right now is embarrassing I think, because we  
15 know the problem exists and we let it exist.  
16 You guys have a chance to do something about it  
17 and I applaud the council for even considering  
18 this. I mean it borders on being courageous and  
19 I'm not joking about that. I mean that very  
20 sincerely. This is a chance to actually save  
21 people's lives and directly and for almost no  
22 money. I mean it's just so important. So,  
23 that's my... everything I told you is in the  
24 packet there. I wrote an article that's in that  
25 magazine that you can take a look at. I think

2 that was handed out to you. My card is on the  
3 front of that. If any of you guys have any  
4 questions at all, you can call me, you can call  
5 Dean, you can call Jay Fleming. We can get the  
6 information for you. I mean I can't tell you  
7 how much we want to support this because it's  
8 that important to us.

9 CHAIRPERSON DILAN: Yeah, just like  
10 I got a fire alert on my phone from Queens so.

11 SKIP WALKER: Okay.

12 CHAIRPERSON DILAN: Might be...  
13 might be... yeah.

14 SKIP WALKER: [interposing] Any  
15 questions?

16 CHAIRPERSON DILAN: Yeah, just I  
17 wanted to talk to you about something that  
18 hasn't been brought up and it just will help me  
19 understand what's going on in the private sector  
20 a little bit, and that's market penetration of  
21 the two opposing types of products. Why...

22 SKIP WALKER: [interposing] Why?

23 CHAIRPERSON DILAN: Yeah, why? Is  
24 it because...

25 [crosstalk]



2 SKIP WALKER: Well, it's...

3 [crosstalk]

4 CHAIRPERSON DILAN: This is a newer  
5 product and that's why?

6 [crosstalk]

7 SKIP WALKER: No, actually they've  
8 both been around for about the same amount of  
9 time.

10 CHAIRPERSON DILAN: Okay.

11 SKIP WALKER: The ionization alarms  
12 were the first one developed that could be  
13 powered for a year by a 9-volt battery. The  
14 early photoelectrics actually used little light  
15 bulbs and they couldn't keep them powered for a  
16 year off a 9-volt battery, so it wasn't until  
17 they invented LEDs that the photoelectrics  
18 became popular and that was back in the '80s.  
19 By then, the ionization had a big share of the  
20 market. The other thing is you can find  
21 ionization alarms very cheap. I mean I got...  
22 actually I'll show you a box that's two for \$8  
23 at a Lowe's store near where I live, so for \$4  
24 apiece you can put smoke alarms in. They're  
25 ionization alarms, they don't have hush buttons,

2 but they say they're smoke alarms and they meet  
3 the UL 217 standard. The cheapest  
4 photoelectrics I've found are at Costco and  
5 those were two for \$23, so about 12. If you're  
6 a landlord and you've got... you're looking at a  
7 wall of smoke alarms and they all say they're  
8 smoke alarms and they all meet the legal  
9 requirement, are you going to put in the \$4 one  
10 or are you going to put in the \$12 one?

11 CHAIRPERSON DILAN: So it's pricing.

12 SKIP WALKER: It's a pricing issue.

13 CHAIRPERSON DILAN: A pricing issue.

14 SKIP WALKER: And my point is  
15 this... we're not talking... this is not college  
16 English class, okay? You know, you get a 45 on  
17 the test, you don't pass, but you can take a  
18 make-up test.

19 CHAIRPERSON DILAN: So another  
20 question on market. Has... is there anything  
21 where any independent home insurance companies  
22 give an opinion on one product versus the other?

23 SKIP WALKER: No, they don't get  
24 involved in it.

25 CHAIRPERSON DILAN: They don't.

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2 SKIP WALKER: I... I... and I...

3 I...

4 CHAIRPERSON DILAN: [interposing] I

5 mean if..

6 [crosstalk]

7 SKIP WALKER: This is...

8 anecdotally...

9 [crosstalk]

10 CHAIRPERSON DILAN: If you...

11 [crosstalk]

12 SKIP WALKER: This is what I heard.

13 CHAIRPERSON DILAN: You would think

14 if one product is more susceptible...

15 [crosstalk]

16 SKIP WALKER: You would think.

17 [crosstalk]

18 CHAIRPERSON DILAN: To save that

19 they would get involved.

20 SKIP WALKER: You would think and

21 here's what I... I know a gentleman who is

22 actually... NFPA 72 is the committee that

23 actually writes the smoke alarm standards in

24 terms of audibility and actually deal in there

25 with your concern over hearing impaired

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2 individuals or sight impaired individuals;  
3 that's actually all in NFPA 72. He sat on that  
4 committee and one of the things he said that for  
5 me was a complete eye opener, was he said the  
6 insurance companies don't really have a big  
7 interest in reducing the fire death rate because  
8 as sick as this sounds, as long as there's a  
9 high risk they can charge more money for  
10 premiums. I mean that's a guy that's sat on an  
11 NFPA 72 committee saying that and it really kind  
12 of turns my stomach 'cause that's not the way  
13 I'm wired, in case you haven't figured it out.

14 CHAIRPERSON DILAN: Yeah, well, I  
15 would think...

16 [crosstalk]

17 SKIP WALKER: But I can... I can...

18 [crosstalk]

19 CHAIRPERSON DILAN: I would think it  
20 should turn theirs too. I guess if there's...  
21 if there's more prevalence to damage towards  
22 property and not life, I'm sure they would then  
23 get involved.

24 SKIP WALKER: Yeah, yep.

25 CHAIRPERSON DILAN: And...

2 SKIP WALKER: Yeah, so anyway, any  
3 other questions?

4 CHAIRPERSON DILAN: It...

5 [crosstalk]

6 SKIP WALKER: If you... like I said,  
7 we're...

8 [crosstalk]

9 CHAIRPERSON DILAN: Yeah.

10 [crosstalk]

11 SKIP WALKER: We're available. This  
12 is so important, I just can't even... I can't...

13 CHAIRPERSON DILAN: [interposing]

14 That answers the question and I... what... what

15 we do... we've thought of a few steps that we

16 can take to kind of independently verify all

17 this because this is relatively new to me.

18 Council Member Crowley brought this to my

19 attention about three or four months ago. We're

20 going to take those steps and then reach back

21 out to the Fire Department and have a real

22 conversation with them.

23 SKIP WALKER: Yeah, one of the

24 things I will... I can't say strong...

25 everything you saw on those slides is all

2 derived from publicly published vetted  
3 information. I didn't use anything that came  
4 from Joe down the street. It's all NIST, NFPA,  
5 CPSC, Texas A&M, all reputable sources. If you  
6 look at the article I wrote for the ASHI  
7 Reporter a few months back, at the back end of  
8 that everything is footnoted. I wrote that  
9 paper just like it was a college research paper  
10 where I would have to... because I knew it was  
11 going to be read by people that were going to  
12 try to punch holes in it, so I didn't want to  
13 leave any wiggle room in there for them. So  
14 you... I gave you copies of some of the stuff so  
15 you can actually go back and read it for  
16 yourself. You know, I mean there's nothing to  
17 hide here. I don't have any financial gain in  
18 this. As a matter of fact, it cost me two days  
19 worth of business; I'm self-employed; to come  
20 here to talk for this 15 minutes, so...

21 CHAIRPERSON DILAN: [interposing] We  
22 certainly... certainly...

23 [crosstalk]

24 SKIP WALKER: I... it's that  
25 important to me.

2 CHAIRPERSON DILAN: Certainly  
3 appreciate that and we thank you for your time  
4 and your testimony, and then maybe we can get  
5 California up and running. Okay, so last we  
6 have Russell Ashe.

7 [Pause]

8 CHAIRPERSON DILAN: Yeah, he'll  
9 distribute it. We actually wanted the  
10 PowerPoint, so thanks. Williamstown, Vermont.  
11 Yeah, how far is that from Keene? Is that far  
12 from Keene? Yeah. [background voice] I played  
13 baseball in Keene when I was younger.

14 [Pause]

15 CHAIRPERSON DILAN: Okay, so you're  
16 kind of far away then. [background voice]

17 [Pause]

18 CHAIRPERSON DILAN: Well, thanks for  
19 coming all this way. Were you a firefighter?

20 RUSSELL ASHE: 23 years.

21 CHAIRPERSON DILAN: 23 years?

22 RUSSELL ASHE: Still...

23 CHAIRPERSON DILAN: [interposing]

24 Okay.

25 RUSSELL ASHE: Still doing it.

2 CHAIRPERSON DILAN: So even though I  
3 said your name, if you could say your name in  
4 your own voice and then you can...

5 RUSSELL ASHE: [interposing] Sure.

6 CHAIRPERSON DILAN: Get into your  
7 story.

8 RUSSELL ASHE: Sure, my name...  
9 well, let's get to the first slide there. My  
10 name is Russ Ashe. I'm from... I live in  
11 Williamstown, Vermont; 12 years on the job in  
12 Barre City, Vermont in the Career Department;  
13 currently still working with the East Montpelier  
14 Fire Department and a volunteer in my community  
15 in Williamstown. I've been doing it 23 years.  
16 My testimony's going to be a little bit  
17 different than the last two in that I don't have  
18 the figures from NIST and I don't have the  
19 figures from UL. What I have is the figures  
20 from living it, and so the story I'm going to  
21 share with you guys really is exactly what they  
22 have been telling you, only I was fortunate or  
23 unfortunate depending on how you look at it, to  
24 actually experience myself. So at the time of  
25 the fire that I'm going to tell you about I was



2 a Lieutenant with the City of Barre Fire  
3 Department; 18 full-time members; Local 881.  
4 The population in our town was 9,600, and I know  
5 that's a drop in the bucket if that to you folks  
6 here. We worked in four shifts. That's 24-hour  
7 on and 72 off. I mean we ran it in a paramedic  
8 level. December 17th, 2005 is what got us  
9 started and I don't think that it's going to  
10 work on this PowerPoint... on this projector,  
11 but essentially what happened is that just  
12 before 6:00 in the morning, we got dispatched to  
13 a fire; a second-story fire; a duplex; two  
14 apartments, one on the top and one on the  
15 bottom. The fire was up on a top floor. The  
16 apartment had several occupants; four kids,  
17 three adults. The call... the fire was reported  
18 by one of the adults who was a friend of the  
19 family that was staying there that night, and  
20 has fallen asleep on the couch in the living  
21 room. The kids were in their beds; the parents  
22 of the kids were in their bed as well. We got  
23 arrived on scene and had heavy fire coming from  
24 their apartment. We had significant water  
25 issues that morning. We had some... we had four

2 guys that made entry without hose lines.

3 Initial report was that there was four kids  
4 trapped inside. As it turned out there was four  
5 kids and two adults still inside. We had four  
6 guys that went inside; made entry without any  
7 hose lines. They almost... they almost got  
8 caught in the flashover. Long story short is  
9 that we were able to rescue the father out of a  
10 second-story window, which I'll show you in a  
11 minute. We were able to rescue all the  
12 children; however, they all died later at the  
13 hospital. The mother was not able to be rescued  
14 for she was found near the seat of the fire, so  
15 she just was... there was nothing that we could  
16 do for her. Long story short we lost four kids  
17 and their mom. This is a picture of the house,  
18 Eastern Avenue. As you can see, the top of the  
19 house is where the fire was. The house is split  
20 in half top to bottom, so the top is one  
21 apartment and the bottom's down is another  
22 apartment. Seven people in the home at the time  
23 of the fire. One adult male was able to escape  
24 by reportedly jumping out one of those second-  
25 story windows. We... fire crews... we rescued

2 four children and the father before the house  
3 was consumed by fire. At the end, four children  
4 and the mother died from smoke inhalation. This  
5 is a picture of the back of the house. This is  
6 where we actually made entry first. The porch  
7 on the right is where fire crews made entry  
8 first. As you're going from the porch to the  
9 left on the top, the first window you come to is  
10 going to be where the girls' room was and the  
11 window all the way to the right is where the  
12 adult male was rescued down a ladder. Actually,  
13 the fellow pictured in the picture on the  
14 ground, his name is Jeff Cochran and he was  
15 actually the fellow that carried Art down the  
16 ladder. This is a picture from the porch  
17 looking into the house. In the foreground is  
18 going to be the kitchen. In the background as  
19 you're going kind of at a diagonal you can see  
20 the kind of an outline of a gentleman in an  
21 archway right there. That's going to be the  
22 living room area. There's a couch against the  
23 back wall that I'm going to show you here in a  
24 moment. That's where the fire started. So if  
25 we went back to that picture or the first

2 picture I showed you where you saw the flames,  
3 the two windows with the heavy damage, that room  
4 right there where the living room is, that's the  
5 room where you saw most of the damage. After  
6 you get to the archway, it then goes into a  
7 dining room area. There was a Christmas tree in  
8 that area and then all the bedrooms were off of  
9 that area right in there. This is a picture of  
10 the girls' room. As you can see heavy damage;  
11 heavy fire damage, but not so much inside the  
12 room itself. Those are bunk beds. Those are  
13 sheets and pillows and no damage to those  
14 whatsoever. Smoke damage, but no fire damage.  
15 This is a picture of one of the boy's room,  
16 Brett's room. The... what I'm really trying to  
17 show in this picture here is the lack of any  
18 fire damage. There is no damage in there  
19 whatsoever, and the only damage right here is  
20 this door here separates Brett's room from his  
21 parents' room and you can see on the top of the  
22 door jamb there some smoke. That's the extent  
23 of the damage to his room; however, he was found  
24 in his room deceased. This is where the fire  
25 started. That right there on the right is

2 what's left of the couch. The investigation  
3 determined that it was one of three things:  
4 smoking material, Christmas decorations or an  
5 unattended candle. This is where the fire  
6 started. The fellow that got out on his own  
7 that reportedly jumped out of a second-story was  
8 asleep on this couch. He woke up when... he  
9 woke up when this couch and everything around  
10 him was on fire including his butt. That's what  
11 woke him up, and then he tried to wake everybody  
12 else up. Everybody else woke up in the home to  
13 his screaming. No smoke alarms going off in  
14 this apartment whatsoever. There was a home  
15 inspection. The City of Barre had just recently  
16 put in a home inspection program where they were  
17 going through all the rental units inspecting  
18 the homes and this was one of them that had been  
19 inspected. This apartment and the apartment  
20 below it both had three working ionization smoke  
21 alarms, all hard wired. The bill you guys were  
22 talking about this morning, hard wiring in smoke  
23 alarms, this apartment had them, all three hard  
24 wired ionization working smoke alarms and none  
25 of them went off. So the investigation found

2 according to the male survivor, the smoke in the  
3 apartment was so heavy he was forced to jump  
4 from a second floor window. That's right after  
5 he woke up. He knew... again, he woke up  
6 because the couch he was sleeping on was on  
7 fire. He woke up to that. The male victim that  
8 escaped reported that he heard no smoke  
9 detectors going off while he was in the  
10 apartment. The apartment had three hard wired  
11 ionization smoke detectors, one in the master  
12 bedroom, one in the girls' bedroom and one in  
13 the main family room. The main family room's  
14 going to be right off of where the couch was.  
15 All smoke detectors on the first floor were  
16 found to be in working order by firefighters  
17 after the fire was extinguished. I can tell...  
18 I can attest to that because I'm the firefighter  
19 that tested it. When the fire was out, I went  
20 down to the downstairs apartment and I tested  
21 all the, you know, smoke detectors downstairs.  
22 They were still there. Now, remember, we fought  
23 the fire on the second floor, so everything from  
24 the second floor came through the floor and into  
25 the first floor, so the ceilings were coming

2 down and there was water pouring through the  
3 ceilings. One of the detectors was just hanging  
4 by its wires, but they were all still there. I  
5 pushed the test buttons on all three of them.  
6 All three of them worked. Before the Fire  
7 Department got there, the Police Department got  
8 there first, Roland and Henry, and they were the  
9 first ones there and they couldn't get into the  
10 fire apartment 'cause the thing was rocking.  
11 They couldn't get in, so they went down to the  
12 downstairs apartment and they made entry into  
13 the downstairs apartment thinking that as Roland  
14 said, "If we could've heard something above us,  
15 then we could've let you guys know when you got  
16 there." Well, they don't... not only didn't  
17 hear anything, but they weren't able to stay in  
18 there very long because the smoke inside that  
19 downstairs apartment was so thick that they  
20 couldn't stay in there. They couldn't breathe.  
21 They had radio traffic from them to dispatch  
22 while in that downstairs apartment and they...  
23 where they said that they couldn't stay in there  
24 because the smoke was too bad; they had to  
25 leave. The smoke alarms in the downstairs

2 apartment were not working. They did not make a  
3 sound. They... the police officers told us  
4 that. The radio traffic that they had that's  
5 recorded heard no sounds of any smoke alarms  
6 going off. They just weren't going off, but the  
7 guys couldn't stay in there because they  
8 couldn't breathe 'cause the smoke was so bad.  
9 And finally, the apartment had passed the City  
10 Minimum Housing Inspection only a few months  
11 before this fire. As I said, when they tested  
12 the smoke alarms everything tested fine, three  
13 hard wired ionization smoke detectors. So what  
14 happened? Why did the alarms not go off? Well,  
15 I and everybody in my department, and I would  
16 attest to probably most firefighters in the  
17 United States up until this fire had never heard  
18 of anything called this photoelectric, never  
19 heard of it; should. Every October they expect  
20 me to go do fire prevention to teach your kids,  
21 who then come home and tell you guys how to be  
22 safe in a fire. I'd never heard of a  
23 photoelectric smoke alarm before. I got a  
24 college degree in fire science and never heard  
25 of a photoelectric smoke alarm before. Six



2 months after this fire, my... the fellow on the  
3 left here is my Chief, Peter John. He went to a  
4 seminar in a town close to us in Randolph where  
5 he met Jay Fleming, the Deputy Chief from  
6 Boston, and Jay Fleming told him about the  
7 photoelectric smoke alarms and gave him a stack  
8 of papers this thick. He said everything we  
9 know is right here. He came home from Randolph  
10 and we were just wrapping up from a small  
11 kitchen fire, and he pulled me off the scene and  
12 told me that he knew why all those people in  
13 that fire died and he was trying to... he was so  
14 wrapped up about it and he was trying to give me  
15 this paper while in the middle of the operation,  
16 so we... you know, after he calmed down, we  
17 figured we'd do it later. What I didn't mention  
18 to you is that the fire that killed those kids  
19 and that killed Kimberly, the mom there, is his  
20 nieces and nephews. That's his... Peter John,  
21 the Chief. That's his family. Art, the fellow  
22 that we rescued and has since survived is  
23 Peter's nephew. So it was his family. So we  
24 got 18 guys on our entire department. You guys  
25 don't have 18 guys in one house here in New York

2 City so I don't know if it's hard... it might be  
3 hard for you guys to comprehend, but 18 guys in  
4 our entire department, so our department's  
5 pretty tight. We're pretty close. Our Chief's  
6 family is what we just responded to, so it  
7 really hit us all hard. But, so he went and he  
8 learned about photoelectric smoke alarms and so  
9 then... and this is another video that we're  
10 going to be able to play for you because I'm  
11 just not able to, but what I found that night is  
12 I found a website in Australia, and who I  
13 believe has submitted some testimony to you guys  
14 or I heard that he might've, and in that website  
15 we found this fellow do this aquarium test where  
16 he put a piece of foam from a couch; a chair  
17 just like you guys are sitting on right now and  
18 he put a soldering iron into it, put an  
19 ionization in there, which is what you use on  
20 top, and filled the thing full of smoke and the  
21 thing... and the ionization alarm never went  
22 off. So then he takes a photoelectric and puts  
23 a photoelectric smoke alarm in there; it goes  
24 off right away. So if we were able to play this  
25 video what you... and if you go to

2 barrecityfire.org so if you... you could find  
3 that pretty easy, barrecityfire.crg and you  
4 could see this video for yourself. What you  
5 would see with this video is that the smoke in  
6 that chamber gets so thick that you can only see  
7 the front of that ionization smoke alarm, and it  
8 is at that point that that smoke alarm goes off.  
9 It doesn't go off before. You can see through  
10 it, but until you can almost not see that smoke  
11 detector, that's when that alarm goes off.  
12 Again, barrecityfire.org you can see that it's  
13 there online. So we submitted this to UL. We  
14 called UL. We called USFA and we called NIST.  
15 We called all those guys, and of them said to us  
16 you know, that's very interesting, but what you  
17 guys are doing is not scientific; doesn't  
18 matter, sorry. Thank you. Have a nice day. So  
19 we went and this is what they said; the fish  
20 aquarium was not a real representation of a real  
21 house fire. So we did, we went to a real house.  
22 This was an abandoned house we had in Barre  
23 City, and what you see in the back is a couch, a  
24 normal every day couch that everybody has in  
25 their home right now, and we took this home and

2 we corded it off into just two separate rooms so  
3 we plasticked it off so the smoke that we  
4 generated stayed in that area and we put a  
5 soldering iron in the couch and we put several  
6 ionization and photoelectric smoke alarms in  
7 both rooms; some in the first room; some in the  
8 second room; put different things. One was a  
9 photoelectric CO, one was a photoelectric  
10 ionization; one with just straight ionization;  
11 some were just photoelectric and this is what we  
12 found from top left to the bottom right: the  
13 first detector went off at 11 minutes and that's  
14 what the room looked like. At 11 minutes the  
15 first photoelectric alarm went off. In 15  
16 minutes the second one went off. These are...  
17 and these detectors are in the room where the  
18 couch is. In 23 minutes the third photoelectric  
19 went off. In the third picture you can just  
20 start to see some smoke coming off the couch.  
21 In the first two pictures if you come right up  
22 and get right up close to it you might see some  
23 smoke, but I submit to you you don't see any  
24 smoke. In the fourth one the photoelectric in  
25 the farther room went off, and up until this

2 point no ionization alarms had gone off, none.  
3 In the bottom middle picture an hour after we  
4 started to test, the very first ionization  
5 detector went off in the room where the couch  
6 is. It beeped four times and then shut off at  
7 one hour. At one hour and six minutes, the  
8 bottom right hand picture, it went off and  
9 continued to go off. Now, you take a look at  
10 that picture. That is a house. That is not a  
11 fish tank. That is a real representation of a  
12 real fire in a real house. I don't know what  
13 the rules are in scientific labs, but, you know  
14 that's what I see every single day. That is a  
15 real couch in a real house really on fire. I  
16 don't know how you can test it any better than  
17 that. That's what the conditions in that house  
18 were like when that ionization detector in that  
19 room finally went off. Now imagine that at 2:00  
20 in the morning. I heard you mentioning you have  
21 kids. Studies say that kids don't wake up to  
22 smoke detectors. They can go off all night long  
23 and they won't... they don't wake up.

24 CHAIRPERSON DILAN: I might not.

25 RUSSELL ASHE: Yeah.

2 CHAIRPERSON DILAN: Yeah.

3 RUSSELL ASHE: Well, if this is the  
4 condition in your house, sir, when your alarm  
5 goes off, I submit to you you won't wake up.  
6 Alcohol-free or not, I submit to you you will  
7 not wake up 'cause you're already dead. We're  
8 wearing air packs in that environment right  
9 there because you can't breathe. That's when  
10 the alarms finally went off. So is there... is  
11 there flames going on right there? No, there's  
12 no flames and I don't know how much longer it  
13 would have taken for that to have developed into  
14 flames, but it doesn't matter. You're already  
15 dead. You're already dead at one hour and six  
16 minutes. The side by side view top left is when  
17 the first photoelectric went off and bottom  
18 right is when the first ionization went off.  
19 Again, a real house; a real couch; a real fire.  
20 That's not a laboratory. That's not pine  
21 needles. That's not you know, UL supervision.  
22 That's real life, gentlemen, and that's what I  
23 go to every single day. That's real life and  
24 the fire that we had three working ionization  
25 smoke alarms, the bottom right hand picture.

2 That right there is why those kids died. That  
3 right there is why they died, and that right  
4 there is why when you go and you pass this bill  
5 you're working on for photoelectrics, that right  
6 there is why kids in your community won't die.

7           So in 2007, 2008 we started working  
8 on a bill with the legislation in Vermont and in  
9 2008 then Governor Douglas signed into  
10 legislation a law in Vermont and that requires  
11 photoelectric only smoke alarms in all  
12 residences and eventually the committees created  
13 real changes so that now rental units have to be  
14 the same way. Vermont does not prevent you from  
15 putting in ionizations. They don't stop you  
16 from doing that. All they say to you is that  
17 you do what you want, but there has to be a  
18 photoelectric only smoke alarm, not a  
19 combination, but photoelectric only. Why?  
20 Because as you've heard a thousand times, even  
21 from the first group that talked, ionization  
22 smoke alarms are prone to nuisance alarms. So  
23 you take an ionization smoke alarm that's prone  
24 to nuisance alarms, which is why people disable  
25 them, and put it in the same unit as a

2 photoelectric, what's the difference? You're  
3 still going to have the nuisance alarms and the  
4 photoelectric alarm is great, but because of the  
5 nuisance alarm, people are going to disable that  
6 anyways, and sir, you were absolutely right. A  
7 10-year lithium battery they can't take out.  
8 Those alarms are going to come off... the whole  
9 unit's going to come off the ceilings. You're  
10 absolutely right. That is what is going to  
11 happen.

12 CHAIRPERSON DILAN: Yeah, I think  
13 what...

14 RUSSELL ASHE: I'm sorry?

15 CHAIRPERSON DILAN: What disturbed  
16 me was that our Fire Chief seemed to not get the  
17 point that I was trying to make and that was the  
18 most scariest...

19 RUSSELL ASHE: What's the...

20 [crosstalk]

21 CHAIRPERSON DILAN: Scariest...

22 [crosstalk]

23 RUSSELL ASHE: What...

24 [crosstalk]

25



2 CHAIRPERSON DILAN: Part for me,  
3 but, I don't... he answered the question at  
4 least.

5 RUSSELL ASHE: I have an opinion  
6 I'll reserve to myself, but you are absolutely  
7 right. Your point was dead on. And again, May  
8 2008, this was Governor Douglas at that time  
9 signed in the alarm. I'm going to wrap this up  
10 real quick. 23 years of doing this, I can't  
11 tell you how many times people have come up to  
12 me and thanked me and blah, blah, blah and any  
13 other public servant does the same thing, but in  
14 this particular scenario what we're talking  
15 about you know, people like me, people like you,  
16 you're not the heroes, we're not the heroes. I  
17 would like to introduce you to a few of them,  
18 however. Bradley Mercer, Davenport, Iowa on  
19 January 18th. His parents had just put him and  
20 his brother to bed and they were downstairs  
21 watching T.V., and his mom heard a thump  
22 upstairs above them and when his dad and mom  
23 went upstairs to see what the thump was they  
24 found that his bedroom was on fire. Turns out  
25 that his... I believe it was his baby monitor

2 had short circuited and set the bedroom on fire.  
3 The mom and dad couldn't get up. The dad had to  
4 go in through a wall in another apartment to get  
5 through and was able to rescue one of his boys.  
6 The Fire Department showed up and was able to  
7 rescue the other one. Bradley finally ended up  
8 dying. That apartment was outfitted with  
9 working ionization smoke alarms that did not go  
10 off. They sued BRK and won for millions of  
11 dollars, but BRK has filed an appeal and so  
12 currently it's in the appeals. Rotterdam, New  
13 York, Bill Hackert and Christine Hackert, they  
14 both died in a house fire here in New York with  
15 working ionization smoke alarms that did not  
16 sound. Waihi, New Zealand, these are five kids,  
17 all from one family that died in a house fire;  
18 again, working ionization smoke alarms that did  
19 not go off. This is the fire that Dean told you  
20 about. Andrea and four other kids in an off  
21 campus fire protected with working ionization  
22 smoke alarms, some of them disabled because of  
23 the nuisance alarms. When somebody says to me,  
24 "Well, you can't blame the alarm because they  
25 were disabled." Well, why do you think it was

2 disabled? Because it's a nuisance alarm. They  
3 didn't disable it because they didn't like the  
4 look of it. The thing's going off when they're  
5 cooking and taking a shower, so they disabled  
6 it. Well, they disable it and it doesn't work.  
7 Scotchtown, Tasmania, four kids. These four  
8 kids showed up for a sleepover. They died in a  
9 house with working ionization smoke alarms that  
10 did not work. Miami University, Doug Turnbull,  
11 the fellow that's been working with Dean quite a  
12 bit, three kids died in a house fire. I believe  
13 it was 17; if I remember; 17 ionization smoke  
14 alarms in their home that didn't go off. Just  
15 recently Averyana Dale and her godmother died in  
16 a house fire here in Auburn, New York, two years  
17 old. She's the motivation behind Averyana's  
18 Law, which I'm sure you folks have heard about.  
19 My fire: Brett, Tory, Christa, Kim and Mikayla  
20 all died in a house fire with three working hard  
21 wired ionization smoke alarms, and here they are  
22 from left to right. I'd like to introduce you  
23 to them. That's Brett on the left and the first  
24 girl you see that's Mikayla. The man up there,  
25 that's Art; his wife, Kimberly and then the last

2 two girls Christa and Tory. I found the girls  
3 and during the search I helped rescue Art. I  
4 found the girls. I did not find Brett. I  
5 carried Christa out of her room; passed her onto  
6 another fireman. Another fireman grabbed  
7 Mikayla, handed Mikayla to me and I carried  
8 Mikayla down the ladder and when I got down to  
9 the bottom of the ladder, Tory was being held by  
10 another firefighter. We're a small community.  
11 We don't have the availability of ambulances  
12 like you folks do here, so our ambulance system  
13 was strapped from the very beginning, so I spent  
14 15 minutes on the sidewalk doing mouth-to-mouth  
15 with Tory there. Kimberly, she unfortunately  
16 was found near the seat of the fire, so she was  
17 dead and Art, we rescued Art down the ladder.  
18 Art has since recovered. He's remarried his  
19 high school sweetheart and for the grace of God  
20 has a daughter now. Brett was rescued by  
21 another friend of mine. He passed away as well.

22                   These are my heroes. These are my  
23 personal heroes. I know these kids personally.  
24 I want you to... in closing, before... if you  
25 guys have any questions for me in closing, I

2 would like you to take... to take... if you  
3 remember the first picture I showed you where I  
4 said here's a picture of where we made entry to  
5 the forefront was the kitchen and then the  
6 picture of the gentleman in the background that  
7 was outlined. Do you remember that picture?  
8 Well, take a look at this picture right here.  
9 This was in their apartment. This is the  
10 archway that I was telling you about. The  
11 forefront is going to be where the couch was  
12 that started on fire. The back is going to be  
13 the room where all the bedrooms were off of.  
14 This picture was taken shortly before the fire  
15 and that's what was left of it. Where that  
16 gentleman is standing right there, the outline,  
17 that's where that picture was taken from and  
18 that's what's left. So with that, gentlemen, if  
19 you have any questions, I'm happy to try to  
20 answer them.

21 CHAIRPERSON DILAN: I just have one.  
22 I asked questions earlier about the market and I  
23 guess you, I'll ask you about the product. I  
24 don't know how well you know the product or not,  
25 but why... I mean each one of you gentlemen that

2 have come forward and have pitched the  
3 photoelectric why does it perform so much better  
4 in the smoldering fires as opposed to... what's  
5 the reason? What's the difference in  
6 technology?

7 RUSSELL ASHE: I'm going to try...

8 [crosstalk]

9 CHAIRPERSON DILAN: What's...

10 RUSSELL ASHE: And I guess you guys  
11 can jump in, but I'll try to...

12 [crosstalk]

13 CHAIRPERSON DILAN: Just as best you  
14 could.

15 RUSSELL ASHE: I'll make this as  
16 lean... I'm a fireman, which means I don't  
17 listen to scientific garbage.

18 CHAIRPERSON DILAN: Yeah, I

19 understand that.

20 [crosstalk]

21 RUSSELL ASHE: Come down to my level  
22 and I can understand, you know?

23 [crosstalk]

24 CHAIRPERSON DILAN: Yeah, yeah.

25

2                   RUSSELL ASHE: So that's what I'm  
3 going to try to do. They work differently.  
4 Ionization smoke alarms have two thin metal  
5 plates that have radioactive material that  
6 ionizes the area in between those two metal  
7 plates. They're very close together. When  
8 smoke comes in between those plates, it disrupts  
9 the current and sets the alarm off. That's one.  
10 Photoelectric has essentially a T with a beam of  
11 light that goes across. At the bottom of that T  
12 is a photosensor. When the smoke enters that  
13 chamber, it disrupts that light beam, hits the  
14 photosensor and causes that alarm to go off.  
15 So, essentially the photoelectric is really the  
16 only alarm that sees smoke. The ionization  
17 alarm does not see smoke. It sees very small  
18 particles. Smoke works just like water.  
19 Essentially the properties are the same.  
20 Explain to me, sir, what's the difference  
21 between water that comes out of your shower in  
22 the form of steam or the water that is in this  
23 glass right... this cup right here. What's the  
24 difference?

2 CHAIRPERSON DILAN: One is hotter  
3 than the other.

4 RUSSELL ASHE: The temperature.

5 CHAIRPERSON DILAN: Yeah.

6 RUSSELL ASHE: Exactly. This is  
7 colder than the steam. The steam expands  
8 roughly 1,700 times... 1,700 to one when it  
9 converts to steam. The particle sizes are very,  
10 very small, whereas here, the particle sizes are  
11 much bigger. It's still water, but it's in a  
12 different form. It's still water. Now as that  
13 steam goes away from the heat source, it's  
14 cooling down. Those particle sizes are now  
15 combining with each other getting bigger and  
16 bigger and you'll see it on your windows or on  
17 your wall until it turns back to water, 'kay?  
18 As it cools off, the particle sizes get bigger,  
19 so the hotter the water, the smaller the  
20 particles. The colder the water, the larger the  
21 particles. Smoke works exactly the same. The  
22 hotter the smoke, the smaller the particles.  
23 The colder the smoke, the larger the particles.  
24 Small particles get between those two thin metal  
25 plates very, very easily, so when you have a



2 flaming fire with hot smoke it sets off those  
3 ionization alarms like magic.

4 CHAIRPERSON DILAN: Got it, okay.

5 RUSSELL ASHE: Cold smoke, those  
6 particle sizes are much bigger. It's like you  
7 can't fit enough of those large particles in  
8 between those two metal plates to make that  
9 thing go off. You could charge this room up so  
10 bad that you couldn't see this... your hand like  
11 here and have this room full of ionization smoke  
12 alarms and not a one of them will go off.

13 CHAIRPERSON DILAN: yeah, I guess  
14 that...

15 [crosstalk]

16 RUSSELL ASHE: Not a one.

17 CHAIRPERSON DILAN: That was about  
18 as layman as you could put it I think.

19 RUSSELL ASHE: One...

20 [crosstalk]

21 CHAIRPERSON DILAN: Yeah.

22 RUSSELL ASHE: Two 55-gallon drums,  
23 both with the tops and bottoms cut off; one  
24 filled with sand; one filled with softballs,  
25 okay? The sand represents the ionization, the

2 hot smoke, okay? The particles sizes are small.  
3 The softballs represent the cold smoke. The  
4 particle sizes are bigger. Take a garden hose.  
5 That represents the electricity in the  
6 ionization smoke alarm, 'kay? Pour it into  
7 the... pour it in the 55-gallon drum of sand.  
8 That sand, because those particle sizes are too  
9 small, so small it disrupts that flow of water  
10 enough to set off the alarm. The water doesn't  
11 flow through. The sand is stopping that  
12 current. Put it into the 55-gallon drum with  
13 the softballs. You can't put enough softballs  
14 in there to stop that flow of water. It's just  
15 going to pour right through, so that alarm will  
16 never go off. That's why an ionization alarm  
17 does not work with cold smoke.

18 CHAIRPERSON DILAN: 'Kay, alright,  
19 looks like I got some research to do because  
20 it's pretty tough when your own fire  
21 professionals don't come forward and make a  
22 decision on the type of apparatus that's best.  
23 I'm not saying that they don't or don't... they  
24 don't have different opinions, but it just

2 leaves me with more work to do on it, but you've  
3 definitely piqued my interest in it.

4 RUSSELL ASHE: And when the United  
5 States government has organizations like NIST,  
6 UL, the manufacturers and stuff that are saying  
7 one thing, it's extremely hard to be able to  
8 quite frankly, stand up on your own two feet and  
9 make a stand sometimes, and I'm not really  
10 passing judgment on anybody...

11 CHAIRPERSON DILAN: Yeah, I didn't  
12 think you were.

13 RUSSELL ASHE: but that's what we  
14 did.

15 [crosstalk]

16 CHAIRPERSON DILAN: It's the  
17 politics of it. That's what makes it hard...

18 [crosstalk]

19 RUSSELL ASHE: But...

20 [crosstalk]

21 CHAIRPERSON DILAN: To do, yeah.

22 RUSSELL ASHE: And we pretty... we  
23 had some strong words for the politics in  
24 Vermont and because of that we passed  
25 legislation that is saving lives today.

2 CHAIRPERSON DILAN: I think I  
3 couldn't think of anything non-political as  
4 saving somebody's life in a fire, so...

5 RUSSELL ASHE: well, the last thing  
6 I'll say to you, sir, is that you know, I get  
7 those fire alerts on my computer all the time.  
8 I hear about people that are dying every single  
9 day, and every time I hear about that I know  
10 that in many of those cases the people that I'm  
11 reading about that are dead died because they  
12 didn't know what I know and it hurts. It's hard  
13 to deal with.

14 CHAIRPERSON DILAN: Well, I didn't  
15 know.

16 RUSSELL ASHE: It's...

17 CHAIRPERSON DILAN: I... I didn't  
18 know and I got to imagine that the majority of  
19 the people in this city don't know the  
20 difference between the two types of... and I  
21 didn't know until I had a...

22 [crosstalk]

23 RUSSELL ASHE: Some...

24 [crosstalk]

25 CHAIRPERSON ASHE: Conversation.

2 RUSSELL ASHE: Somebody somewhere is  
3 going to die tonight because they don't have  
4 photoelectric smoke alarms. You can take that  
5 to the bank. Somebody tonight somewhere is  
6 going to die.

7 CHAIRPERSON DILAN: I certainly hope  
8 not, but let me ask you another question as a...

9 [crosstalk]

10 RUSSELL ASHE: Sure.

11 CHAIRPERSON DILAN: Fire... as a  
12 firefighter, have you done... have you guys done  
13 any outreach to any other firefighter  
14 organizations or firefighters unions?

15 RUSSELL ASHE: Being in the National  
16 Association...

17 [crosstalk]

18 CHAIRPERSON DILAN: About...

19 [crosstalk]

20 RUSSELL ASHE: Of Firefighters took  
21 a stand, not just because of us, but in part  
22 because of us. We've been out to several Fire  
23 Departments in Vermont. Vermont's changed a  
24 lot. We've been to New Hampshire. We've helped  
25 Dean and Doug out in Cincinnati and Columbus.

2 We've been to Las Vegas, just recently came back  
3 from Australia, and as... you know, as was  
4 mentioned earlier you know, this is huge  
5 financial burden to... nobody's getting paid to  
6 do this. It costs us, what, for you and me 800  
7 bucks just to be here, which we're happy to do,  
8 but you know, it's certainly financially  
9 rewarding. It's financially draining.

10 CHAIRPERSON DILAN: Yeah, I would  
11 imagine.

12 [crosstalk]

13 RUSSELL ASHE: But it's you know,  
14 800 bucks, but if somebody gets to go home and  
15 see their kids tomorrow morning, it's money well  
16 spent if you ask me.

17 CHAIRPERSON DILAN: Okay, thanks.  
18 Thank you for your time. Thank you for coming  
19 all the way to New York City. We certainly  
20 appreciate it and while in my tenure here, we  
21 have term limits in New York City, I certainly  
22 have about two months left to deal with this,  
23 but Council Member Crowley, who is the lead  
24 sponsor, will be returning in January, so if  
25 nothing gets done in this legislative session,

2 the chances are that Council Member Crowley will  
3 still be back and will have a chance to do that,  
4 but if I could I'm going to look into this and  
5 if we can find a way to do it I'm going to try  
6 to do that.

7                   RUSSELL ASHE: And I'm sure I'll  
8 speak for everybody that was here if there's  
9 anything that we can do, at the drop of a hat  
10 we'll do it.

11                   CHAIRPERSON DILAN: Okay, thank you.  
12 Appreciate that.

13                   RUSSELL ASHE: Thank you.

14                   CHAIRPERSON DILAN: Thank you for  
15 your time and testimony. At this point, we have  
16 a lot of testimony that will be submitted for  
17 the record as if it were read in full that we're  
18 supposed to mark up at the top so that... oh,  
19 okay, got it. Testimony from First Alert BRK  
20 and that will be entered into the record as if  
21 read in full. Testimony from Valerie Rivett  
22 [phonetic] and that will be entered into the  
23 record in full. This is actually from Auburn,  
24 New York. From Safe kids... safekids.org that

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2 will be entered the record in full and that's on  
3 Intro 1111 only.

4 [Pause]

5 CHAIRPERSON DILAN: From the  
6 National Electrical Manufacturers Association  
7 and that's on 865-A only.

8 [Pause]

9 CHAIRPERSON DILAN: From Richard  
10 Canta [phonetic], CCP on 1111 only or on both  
11 items, 1111 and 865. From...

12 [Pause]

13 CHAIRPERSON DILAN: Is that right?  
14 I think that was right. From a Mr. R.M. Patton,  
15 who is a professional engineer and investigator  
16 on this subject and it appears to be on 865. He  
17 doesn't reference, but just by looking at it  
18 closely it appears to be on 865. From Vyto  
19 Babraukas, PhD and...

20 [Pause]

21 CHAIRPERSON DILAN: From an  
22 organization called Fire Science and Technology;  
23 doesn't immediately reference the bills. We'll  
24 look through it to determine which ones he's  
25 speaking on. From the Northeastern Ohio Fire



2 Prevention Association and again, this one  
3 doesn't immediately reference the bill. We'll  
4 look through to determine. From John Fleming  
5 Deputy Chief of the Boston Fire Department on  
6 both items and his testimony will be entered in  
7 the record in full and I believe that is all.  
8 Is that correct? Okay, with that, all  
9 legislative items on the calendar today will be  
10 laid aside and that will conclude this hearing.

11 [gavel]

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C E R T I F I C A T E

World Wide Dictation certifies that the foregoing transcript is a true and accurate record of the proceedings. I further certify that I am not related to any of the parties to this action by blood or marriage, and that I am in no way interested in the outcome of this matter.



Date

11/05/2013