CITY COUNCIL
CITY OF NEW YORK

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TRANSCRIPT OF THE MINUTES

Of the

Committee on Technology

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City Hall

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Good morning everyone, thank you for
coming. My name is James Vacca and I'm chair of the
committee of Technology. Today we here to discuss
the topic how we may use data and technology to
proactively address health and safety issues in New
York City. Particularly we will examine how the
Mayor's office of Data Analytics utilizes data to
make our government more efficient and transparent.
The members of this committee and I are extremely
familiar with the issue that effect our city.
Particularly on the ground in our own districts. We
all strive to make New York City a cleaner, safer and
more livable place to live. At this moment our
government has the technological tools to not only
identify what the issues are as they are happening
but also has found ways to predict the types of
problems that may arise and address them before they
even become problems. Over the past years, our
government has become more technological driven than
ever before. Everyday New York City collects and
immense amount of data about issues that affect our
everyday lives, such as 311 calls made about an
unsafe construction site or the time it took for an

ambulance to responded to the scene of an accident.

With the help of testimony from the Mayor's Office of
Data and Analytic and other interested stakeholders.
I hope to initiate a productive discussion today on
how we may use this data to improve the safety of New
Yorkers and make government services more efficient.
While MODA only came into existence approximately a
year ago. This office has become the creative engine
for energy driven data projects. Agency data driven
projects. MODA takes the lead on coordinating data
sharing data sharing among agencies. Identifying how
that data can be analyzed and how data analyst can be
applied to solve real issues. Examples of such
projects include an analyst of 911 response times,
FDYN risk based inspection system to identify where
fires are likely to occur and the department of
buildings B+ program to identify truly dangerous
illegally converted units. We hope to hear more
about these programs in depth today. A citywide data
platform known as Databridge, enables these kinds of
analysis and predictive modeling. Acting as a shared
store house of interagency data. Real time automated
data sharing between agencies and between the city
and external vendors. Such as LIPA and ConEd have
recently be implemented in this committee would like

2	to know what types of data are shared and what
3	entities are actively participating. While the
4	aforementioned analysis are incredible forward
5	thinking and useful, there are many more issues to
6	tackle. For example, we must find ways to identify
7	and address aging info structure. Such as, warn out
8	gas pipes and water mains to prevent future
9	catastrophic events. Additionally MODA may be able
.0	to use data analysis to collect outstanding fines and
.1	fees owed to the city by businesses and individuals.
.2	Or prevent businesses that are bad actors from being
.3	able to contract with the city in the future. These
.4	often overlooked behind the scene analysis is
.5	integral to moving our city forward. And I hope the
.6	administration continues to build upon MODA's
.7	innovative work. I look forward to today's
.8	testimony. Ok. Thank you all for coming and let me
.9	introduce the first panel. We have Nicholas O'Brien,
0.	Mayor Office of Data and Analytics. Edward Baggott,
1	Assistant Chief FDNY. Jeff Roth, FDNY Assistant
2	Commissioner for Management Initiatives. And Joel
23	Golub, Deputy Commissioner of FDNY. Ok, who would
24	like to lead off? Sir, could you identify yourself
5	for the record and proceed

2	NICHOLAS O'BRIEN: Thank you. Good
3	morning chairperson Vacca, members of the city
4	council committee on technology and government. My
5	name is Nicholas O'Brien I'm the Chief of Staff at
6	the Mayor's Office of Data Analytics. Thank you for
7	the opportunity to testify today. I'm also joined,
8	also joining me today from the fire department our
9	Fire Operations Assistant Chief, Edward Baggott,
10	Deputy Commissioner and Chief Information Officer,
11	Joel Golub and Assistant Commissioner from Management
12	Initiative, Jeff Roth. The Mayor's office of data
13	analytics works with agencies to develop and
14	implement data driven solution to city service
15	delivery issues. We enable the city to aggregate and
16	analyze data from across city agencies and other
17	sources to more effectively address crime, public
18	safety and quality of life issues. To facilitate
19	this work MODA works closely with the department of
20	information technology and telecommunications or Do
21	It to develop and maintain a city wide data platform
22	and data exchange architecture collectively known as
23	Databridge. MODA is also responsible for ensuring
24	compliance by city agencies with the New York City

open data law. Local law 11 of 2012 which is

2	designed to increase access, accountability and
3	transparency in government. I'm here today to
4	discuss specifically the MODA projects that use data
5	to proactively address health and safety issues. I'd
6	like to highlight 2 in particular that MODA is
7	involved in. The fire department risked based
8	inspection system and the multi-agency illegal
9	conversion task force. Additionally I'd like to
10	discuss the city open data initiative and how were
11	engaging with the civic technology community to
12	address health and safety issues. This is certainly
13	not intended to be an exhausted inventory of all the
14	uses of technology to address these issues. There
15	are numerous other initiatives that agencies
16	undertake on their own to proactively address health
17	and safety concerns. The first initiative I would
18	like to highlight is the fire department risk based
19	inspection system. FDNY proactively conducts 50,000
20	building inspections per year. These inspections are
21	primarily focused on building with commercial
22	activity such as retail stores and restaurants, high
23	occupancy towers, dency populated apartment complexes
24	and facilities like schools and senior centers.
25	Building where large groups of people live and work

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and where a single fire could cause many causalities. MODA partnered with the fire department in the development of a system that enable fire companies to prioritize inspection on the building that pose the greatest fire risk. The result was the risked based inspection system or ARBIS, launched in May 2013. ARBIS has changed how each of the city's 341 fire units, engines and latters conduct daily building inspections. Fire units are responsible for inspecting buildings with in their immediate response This work was previously performed on essentially a cyclical basis. With limited information about each structure. ARBIS accesses data on building and past inspections. Individual building information is also accessed from several other city agencies through the databridge data warehouse including the department of city planning, the department of buildings, department of environmental protection and the department of finance. ARBIS uses this data to score, prioritize and automatically schedule building for inspection. The core of this system is the fire cast risk model that allows the FDNY to prioritize buildings for inspections based on specific risk criteria. By

combing FDNY fire incident data with building
characteristics data from across the city. Fire cast
leverages is sophicated statistically algorithm to
access fire risk on a daily basis. The algorithm is
trained to identify building that resemble other
buildings that have previously experienced fire by
examining a 13 structural risk factors including
location within the city, age of the building,
principal use of the building and history of previous
fire incidents among other factors. The system also
captures and tracks violations history and then
reschedules follow-up inspection when necessary.
Since its launch, Arbis has increased inspections
target accuracy more than 8 fold. During the process
of developing and validating Arbis, FDNY allocating
funding to stand up and in house analytics unit. The
FDNY analytics unit has now assumed full
responsibility for Arbis and is currently planning
for an expansion of the model with additional data
sources including fire history and fire code
enforcement actions. The model will continue to grow
overtime through inclusion of additional data and
risk factors and would be shaped and refined through
ongoing monitoring and evaluation. Another way we

2 are addressing dangerous health and safety conditions is through the illegal conversion task force. 3 4 Illegally converted units pose an acute risk to 5 residents, neighbors and first responders. 6 often lack a second means of egress and may be equipped with illegal unpermitted gas and electric lines. After 2 deadly fires in illegally converted 8 units in the springs of 2011, in which 5 New Yorkers 9 died. The city established the illegal conversions 10 11 task force. This multi-agency initiative involves 12 the department of building, the fire department, the 13 department of house preservation and development and 14 the Mayor's office of data analytics. Department 15 buildings receives roughly 18,000 illegal conversion complaints a year and is required to inspect them 16 within 40 days. Some of these illegal conversions 17 18 present a significantly higher risk of catching fire in resulting in injury or death. A risk analysis 19 model was developed by MODA, using historically data 20 from past fires and building with illegally converted 21 22 units to determine which of these complaints pointed to the most dangerous conditions. The model 23 evaluates all legal conversions and single room 24 25 occupancy complaints based on 20 metrics which have

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historically correlated with dangerous fires. risk complaints are inspected by a joint inspection team within 48 hours of being identified by MODA. Joint inspections are designed to increase the rate of access. The joint task force gains access on 57% of inspections compared to a roughly 41.6 access rate for routine inspections. If after gaining access the joint inspections team determines the building is a risk to health and safety a full or partial vacate order is ordered. In the event that a vacate order is imposed, the tenants are offered relocation services through a HPD client services team. the inception of the task force in June 2011, 15.57% of buildings inspected have been issued vacate orders and 41.8 have been issued 1 or more violations. This is marked improvement over the rates of routine inspections which see 7% vacated and 19% issued violations. To facilitate these types of initiatives the city has been focused on developing technology solutions, especially interagency data sharing to improve operation and performance of city services. One incident particular that highlighted a need for better data sharing was a fire that incurred in the Dorcha Bank Building at 130 Liberty Street in

2	Manhattan on August 18 th , 2007. The fire tragically
3	took the lives of 2 New York City Fire Fighters,
4	Robert Padia and Joseph Grafinino. One of the
5	recommendations coming out of the review of this
6	deadly incident was that the city should implement a
7	system to share relevant results of inspections
8	between department of buildings, fire and
9	environmental protections. This recommendation
10	resulted in the creation of DataShare. Which is
11	implemented by deep team as noted in your summary.
12	DataShare enables the sharing of inspections
13	information called for in the Dorcha Bank fire
14	report. The system has been extended beyond this
15	initial use case to cover more than 118 exchanges
16	between 21 city entities and external partners
17	including ConEdison and National Grib. Before
18	datashare many city agencies had express the need to
19	share information but exchanges where manual,
20	inefficient and unreliable resulting in delayed
21	customer service and enforcement issues. DataShare
22	maintains exchanges between entities and a
23	standardized format. These automated exchanges
24	ensure that data is validated, sent in a timely

manner and enable data transparency and integrity.

2	To maximize the city's invest in the data share
3	program and the Do It analytic system, MODA partnered
4	with the Mayor's office of data analytics to create
5	databridge. A central repository for city
6	operational data. Access to much of this data is
7	available to city employees on their desktop
8	computers via request. The data has been modeled
9	into a sweep of powerful tools to enable deeper
10	analysis. The analytic system currently has over 600
11	active agent users across 47 agencies and
12	organizations. Were also liberating the state to
13	fund the desktop and putting it in the hand of
14	inspectors in the field. MODA has partnered with the
15	Mayor's office of special enforcement OSC. A multi-
16	agency teams of inspectors who respond to various
17	health and safety complaints. OSC has worked over
18	the last 8 months to pilot a development of the city
19	first mobile data platform for enforcement in the
20	field. The tablet based solution promotes more
21	efficient field enforcement by using geo coded mapped
22	based interfaces and proving accessibly to
23	information previously unavailable. It give
24	inspectors real time report generation, submission
25	and analytics from the field. During the first

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months of the pilot, OSC did more inspections in then in any other previous month, completing 191. marks a 52% increase from their highest inspection count in previous months before the use of the mobile tablets. Moving forward, there is an opportunity to leverage the lessons learned through the pilot and take mobile tablets to other agencies that perform routine inspections in the field to increase efficiencies, collect more data and better ensure the safety and health of New Yorkers. While 311, 911 and inspections are highly valuable sources of information the city get about current conditions. The city proactively gathers information about hazardous conditions through the street condition observation unit or SCOUT. SCOUT is a team of inspections based in the Mayor's office of operations. The mission is to drive every city street once per month and report conditions that negatively impact the quality of life and may pose a risk to safety. SCOUT inspectors sends reports of conditions they observe to the relevant agency for appropriate corrective action. The goal of SCOUT program is to improve the street level quality of life and address dangerous conditions in city

neighborhoods while enhancing the responsiveness to
city government to these issues. The SCOUT unit has
partnered with the department of transportation, the
department of parks and recreations, department of
sanitation, department of citywide administrative
services and the lower Manhattan constructions
command center and tailored field inspections and
validated reporting conditions citywide. SCOUT has
also been effectively deployed in the aftermath of
Hurricane Sandy and other major storms to gather on
the ground intelligence to assist aide see with
addressing street conditions. This demonstrated the
flexibility and ability the team to address change
and conditions and target different hazards. In
addition to the efforts of the Mayor's office and
data analytics and city agencies are undertaking to
improve the use technology to directly address health
and safety. We're also working to activate the
public in a particular civic technology community to
assist in developing solutions. The lifeblood of
these efforts is the public date released under New
York City open data law. The law passed by city
council in 2011 is widely considered the most
progressive open data legislation in the nation. The

law requires all public data to be posted on NYC.gov
by the end 2018. As of this month we have already
released over 1,100 data set including many that
address health and safety including fire codes,
department building vacates and violations. The law
aims to make city government operations more
transparent, effective and accountable to the public.
It permits the public to assist identifying efficient
solutions for government and promotes innovative
strategies for social progress. The technology
community in New York City has been working hard to
make this reality. In February, Beta NYC, a local
civic technology group posted a crime and public
safety data hack night to start building tools based
on the data the city has released in this area. This
is one of many events the community holds to work on
a variety of issues. MODA works closely with this
community to connect them to subject matter experts
and look for ways the city can use the insight of
these dedicated individuals to improve city services.
I provided a summary of just a few of the initiatives
the and programs the Mayors of data analytics
undertakes. MODA continues to work towards its
mission of assisting agencies in leveraging city data

more for more effective, efficient and transparent
government. Analytics will continue to be a resource
that helps leaders make complex decision and
ultimately improve the quality of life for New
Yorkers. We've seen growing interest in creating
dedicated analytics units within agency. MODA works
closely with FDNY in development of their analytics
unit and continues to coordinate with them to share
best practices and technologies. Another example of
this growth is the department of building which also
created an in-house analytics unit. The growth of
in-house analytics units allow city agencies to
execute an analytics projects faster and cheaper. As
these analytics efforts grows, MODA will continue to
work to facilitate access to city and external data
into consult on interagency products and projects.
For additional information on the work we do, please
visit our website at NYC.gov/analytics where you
could find our annual report and further detail on
other initiatives. Thank you for the opportunity to
testify today and I'm happy to answer any questions
you may have.

	COMMITTEE ON TECHNOLOGY 18
2	CHAIRPERSON VACCA: Thank you, Thank you
3	very much. How many, let me ask some questions. How
4	many people are in the SCOUT unit?
5	NICHOLAS O'BRIEN: The SCOUT unit, it
6	varies because many of them are on assignment from
7	different agencies, so they ramp and they ramp down.
8	The administrative staff is 3 folks, and as I said,
9	it will ramp up depending on the agency availability.
10	They will ramp up significantly during the storm
11	event.
12	CHAIRPERSON VACCA: But I would speculate
13	to say it's a very small amount.
14	NICHOLAS O'BRIEN: Its relatively small,
15	they do try to cover every major street in the city
16	on a monthly basis.
17	CHAIRPERSON VACCA: They don't report to
18	your agency?
19	NICHOLAS O'BRIEN: They report to the
20	Mayor's office for operations.
21	CHAIRPERSON VACCA: They report to the
22	Mayor's office of operations. They oversee the SCOUT
23	program?
24	NICHOLAS O'BRIEN: Yes

CHAIRPERSON VACCA: But then they have people from that agency that are assigned, they have SCOUTS that are assigned to individual city agencies?

employees of individual city agencies and there put on assignment to the SCOUT program. Many of them are cross-trained so they can detect different conditions that are in the jurisdiction of other agencies. So for example, a somebody on assignment on the department of buildings can note and record and report a DOT a violations that would be in DOT preview.

When the program was first initiated I was excited about it and I thought that it was a great idea, and but I accompanied a team one day and I think that it needs a lot of work. They were basically reporting potholes and stuff like that. And I think pot holes are important don't get me wrong you know we all think there not important until your car falls into one or you walk into one. And in Staten Island, my colleagues just arrived councilman Matteo. But if we talking about emergences, I don't know where the

2 SCOUT program, I don't know the role of the SCOUT
3 program would play.

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NICHOLAS O'BRIEN: So in the list of things that they do collect one of the important ones is building pihsod damage or any structural damage that they note that is apparent from the street. And those conditions I think can play a role in building collapses if you have pihsod damage that is apparent.

CHAIRPERSON VACCA: Ok. One thing I wanted to mention before I get to list of questions. I always felt that if were looking toward the future and what may be happening so that we can be proactive rather than reactive. I think that we have to have a buildings department policy review, because the buildings department is basically a reactive agency. It reacts to 311 complaints or reacts to a letter they get, or email. Buildings is not proactive at all. Yet buildings have knowledge based on their records of chronically problematic buildings. Building that use to have, that once had a vacate. Building that have civil penalties based on their refusal to comply with zoning. They have this in their database. Yet there's nothing at the buildings department that's proactive entity and if were

looking at using technology that's how they can use technology and they should have a unit in that agency that is proactive. When you vacant a house that is a legal 3 family but was a 6 family and you vacant that house maybe a year later somebody should go back to see what was done. Was the 6 family reconverted back to a 3? There's no such unit in the buildings department that does that. So I'm I know you're not the buildings department but I come back to how the purpose of this hearing mainly what can our city do a little wiser and I think that is one area.

NICHOLAS O'BRIEN: And I think the very strong first step was the establishment of the department of buildings analytics unit. I can't speak to the details of their initiatives and what they are doing in the in the proactive space. But I believe if you spoke with them they could point to some of the initiatives that they that are underway.

CHAIRPERSON VACCA: Well I will tell you when you speak about transparency, the buildings department website is very transparent. The BIS System, Building Information System. Is very transparent, it is user friendly, you can easily navigate it and find out what going on based on what

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I think other agencies should you want to know. model some transparency after their's. When you go to 311 when you go I read when you go to newyourcity.gov I think that that is a model. it allows citizens like myself many times to go into that system and I find mistakes and I have questions and I call the buildings departments and I will see on that website there's a vacant order but the place is operating. So why is there a vacate order? lot of but that's what transparency is all about. But I do think that that's a model that we should be looking to replicate for other agencies. On one hand think that we have to do better, but on the other hand I think that buildings from a transparency point of view has done ok. Yes councilman Matteo.

COUNCILMAN MATTEO: Thank you Mr. Chair,
I appreciate you having this hearing. And to rebut
the chairman point, I'm talking about the SCOUT team
and technology and being most agencies are reactive,
you know we just had an issue with the buildings
department thought that you know we believe they were
building a 2 family can only do one family they went
out there they were building a 2 family but it took
us and the community to figure that out. And its has

to be a way for DOB to be a little bit more proactive
in doing more inspections or using technology. But
the same can go for curbside weeds and lots, vacant
city lots. Each year my office we have to send
sanitation health back to the same spots each year.
When I could probably give you list of 50 properties
and curbsides that getting need weed trimming and
debris pick-up and this is where we can use
technology to have a database that says last year we
cleaned this city property 3 times maybe we should
start going back out there and May instead of waiting
for councilman's office or 311 to report and then it
takes 30 to 40 days to do it. And then we get maybe
1 or 2 cleanings. So in being proactive you using
technology somehow we can get some sort of catalog
when we can the city can just yes it's going to be
scheduled and I know resources are an issue and we've
talked about that with the sanitation department.
But in my district quality of life issues where it
seems that the agencies are only going to react when
we request it. I'd like to see that the SCOUT
program or other technology use to be so that we can
plan ahead and come springtime all these new quality

of life issues arise that where dealing with them
instead of reacting to them.

CHAIPERSON VACCA: And the information that the SCOUT's find we don't know what they found. The council, people the community boards. Is there a is there a there should be a transparency aspect to that also. Do you agree? Is that something we can talk about?

NICHOLAS O'BRIEN: Absolutely, the triage they send most of their things through the 311 system so that is available through open data on the 311 service request list. And also on the service request map that is provided by Do It.

CHAIRPERSON VACCA: Ok. I may want to look into having a separate hearing on that. On that program. Ok. Let me ask some questions. 911 analytics reports breaks down response time by incident type but not by location. It's is widely known that they 911 response times are better in some areas of the city then others. And we just had this major incident as you know in the Rockaways. And I know that in my Borough of the Bronx there's also been variations that have concerned me in response time. How can data analytics help improve response

2	times in all Boroughs and neighborhoods not just
3	average response time around the city. So my point
4	is we may be looking at a citywide response time.
5	But we still have neighborhoods in our city that fall
6	below the average response time. Or I should say
7	above the average response time. So what are we
8	doing to address those particular neighborhoods that
9	maybe in the outs maybe in the out skirts or may have
10	issues, transportation issues, access issues?
11	JOEL GOLUB: Thank you councilman.

the CIO of for the Fire Department. And right now there is a and active study being undertaken by the OCEC group. Which is the Mayor's office for emergency communications to look at methods of reducing call processing time. That an active project that's underway. We would need someone from OCEC to represent. We can get some information to you on it. But they are looking at ways of reducing the call processing time. When someone calls 911.

CHAIRPERSON VACCA: Where is that

commission form sir?

the other agency, I'd have to go back and get some

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the conclusions and how they were reached and what

have been implemented so far?

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I'm Jeff Roth the Assistant

NICHOLAS O'BRIEN: We started the process, we validated the process and then turn it over to the FDNY analytics unit. I'd like to turn it over to Jeff Roth for some specific details on the ongoing Arbis system.

JEFF ROTH:

Commissioner for Management Initiatives at the FDNY. Arbis is the risk based inspection system is an application that fire operation field units use to do their building inspections. Every company in the city is required to do 3 hours 3 times per week or 9 hours total of building inspection time. Where they go out and proactively look at building that we think are most at risk for fire activity. The risk based inspection system has an engine, a statistical model that runs in the background that looks at data from various city agencies that Nick spoke about and prioritizes those buildings for inspections based on risk criteria. Those are then scheduled for building inspection time and when the company goes out, they have a list of building that we think are most likely to have a fire activity and they prioritize those for inspections. We have a current model that's out that deployed in July last summer 2013 that includes 13

factors that we pulled from various city sources and were building a new model 3.0, we call fire cast 3.0 that's looking at data sources from even additional city's sources to make the model even stronger and more predictive in terms of where go for building inspections.

information then?

CHAIRPERSON VACCA: You identifying building that are fire prone, fire dangerous, fire tender boxes.

JEFF ROTH: Correct. We use historical fire data to do coalition activities so we look at the factors of building that historically had a fire then we trim that forward, so yes were looking at buildings that we think are prone to have a fire.

CHAIRPERSON VACCA: When you get that information, what do you do with it? You go to the buildings department, you go to HPD to seal? I know were not demolishing but basically were not demolishing in New York City anymore. Years ago you use to get an unsafe building certification UB was called and you would go ahead and demolish. But there have been very demolitions to pass 8 years. So my question to you is what do you do with that

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JEFF ROTH: So the information itself goes into our application, the risk based inspection system. When the company is on their building inspections time they access that application and it gives them a list of building that they go out inspect. [off mic] You want to answer about what they do at the inspection.

ED BAGGETT: Yes, sure. Yes good morning chairman Vacca my name is Assistant Chief Ed Boggatt, I thank you for having us here today. I'm basically like Jeff said the application is basically a populates a risk of building in each units administrative area. I'll say in your neighborhood say City Island. And these are not vacant buildings, these are building that are occupied today. These could be commercial buildings, these can be multiple residential buildings things like that. And based on statistics that our analytics unit uses we have our fire fighters enter those building and do inspections. Ok. And hopefully our risk model drives us to where we will find places when maybe exits maybe locked, maybe there is accumulations of rubbish. Other things that may bread to a fire condition. And our goal is basically to reduce the

likelihood of a fire and also to reduce likelihood
there would be an injury or death as a result of
fire. Let say that we find that sprinkler system is
not working effectively or the standpipe system is
not working effectively. Violations would be issued
if it's very severe if is a condition iminate to life
maybe we vacate but that basically the corrupts of
how we do it. Then when the unit comes back, enter
that information into the computer and to risk based
system that is regenerated every night and then again
the next day. The system basically gives the units a
list of buildings to go out and inspect. In
addition, it's give us a better way to follow up on
violations that have been issued. Again,
historically like I like to add the fire department
has been it's a reactive agency but we've also been
proactive. We have inspected buildings for many
years. We use to do it on a paper based system that
was basically confined to that local unit. Now we
have this electronic Arbis system which brings you
informatiy and I think helps us better target these
places that maybe prone to fire. And we look
basically, as we move forward we hope to refine those

2 models and even make them better based on our analysis.

CHAIRPERSON VACCA: A couple of things, first of all when you said you issue violations, you go in and inspect. You may find rubbish you may find other fire issues. So you give a violations, do you come back in 30 days or is there a time period when you come back to make sure that that violation means something rather than a piece of paper that somebody will allow just be a another lien another lead on the building basically?

ED BAGGETT: It all depends on the severity of the we issue violations in 2 manors. One is the I'm giving you a NOV a notice of violations, those a adjudicated to ECB. Those are essentially self certified or they have to go to ECB. For more serious violations we issue a violations order.

Those we go back and re-inspect in possible 15 days, 30 days, or maybe if it's a 4th with, we'll come back inspect in the next 24 hours.

CHAIRPERSON VACCA: So your officers or your people in field their aware of these guidelines?

ED BAGGETT: That is correct.

CHAIRPERSON VACCA: They know where to place each issue. That know what constitute what basically?

robust manual, guidelines on building inspections.

In addition to this we have what we call our BSP hotline. It basically to administrative union that any company out doing VI, if they have a question can refer to and its helps them through the process of issuing these VO's interpreting some of these legal issues regarding violations. So we have a rather robust system I believe.

CHAIRPERSON VACCA: An issue that affects the buildings department also affects you. What happens if somebody denies you access to it house or her house. If they deny, you're there to inspect. Person doesn't answer the bell. Person says I'm not letting anybody in my house.

ED BAGGETT: That is problematic we try
to go back up to 3 times. We will issue even put a
poster on a building saying that we tried to come and
ask them to call us. If we have I believe, if we
have good evidence that there maybe maybe and issue
in there that's affects life and safety we could go

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2	and get a search warrant. It doesn't happen that
3	often but it does happen.
4	CHAIRPERSON VACCA: That happens very
5	seldom?
6	ED BAGGETT: That's correct.
7	CHAIRPERSON VACCA: Same thing with the
8	buildings department, very seldom? When you is there
9	any occasion where when you go to inspect a home you
10	call the resident first?
11	ED BAGGETT: No, we do not, first of all
12	we do not inspect 1 and 2 family homes and even when
13	we suspect multiply dwellings we do not enter the
14	living area. Our inspections are confined to the
15	public areas. In apartment buildings that would be
16	the lobby, the hallways, the roof area, the fire
17	escapes on the exterior, the basement area where the
18	heating plant is and electrical. We do not enter
19	each individual's living space.
20	CHAIRPERSON VACCA: You would enter the
21	basement?
22	ED BAGGETT: That is correct.
23	CHAIRPERSON VACCA: And you would inspect

the boiler, the electrical circuit breaker box?

2	ED BAGGETT: Right, we look for obvious
3	signs of violations. Open wiring, things that are
4	obvious to us. We look at the standpipe system, we
5	make sure the OSNY to the standpipe and or sprinkler
6	system is open. Things like that in multiple
7	dwellings.
8	CHAIRPERSON VACCA: And you inspection
9	are not necessarily complaint driven?
10	ED BAGGETT: No, not at all. Not at all.
11	Some are complaint driven but others are done on a
12	proactive basis, based on our risk model.
13	CHAIRPERON VACCA: Alright so if you are
14	a homeowner in New York City, can you expect the fire
15	department to come to your house once every 5 years,
16	once every 6 years? If you're a homeowner with a
17	house in means appears to be in good condition,
18	nobody complained about anything.
19	ED BAGGETT: Are you talking about a 1 or
20	2 family house?
21	CHAIRPERSON VACCA: 1 and 2 family house.
22	ED BAGGETT: We would really not inspect

that again. That is not in our prerogative. We do

not inspect 1 and 2 family homes.

number. I don't know off the top of my head.

CHAIRPERSON VACCA: Yeah I'd like to know in a year and how many that would worry me. I'd like to know what the follow-up is on those dangerous dangerous ones. How do you get external agencies to share data? I'm thinking of ConEdison in particular. But how do you get external agencies. Is there cooperation here or is this something you always have to always have to you know on what basis are they cooperating with you if they are?

NICHOLAS O'BRIEN: From ConEdison the data we get from them has to do with the outages. We set up that data feed in the aftermath of Hurricane Sandy when the city was experiencing widespread power outages. So that the city had the most up to date information about which neighborhood and which individuals were affected.

CHAIRPERSON VACCA: How about underground issues?

NICHOLAS O'BRIEN: We don't currently receive a feed of that information on a regular basis.

CHAIRPERSON VACCA: Shouldn't we? We had a serious explosion in Harlem and we have an aging info structure in this city.

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NICHOLAS O'BRIEN: It's certainly

3 something that we'd be interested in looking into

4 but we have not as of yet.

> CHAIRPERSON VACCA: Ok. I would suggest we do that. I'm told that ConEdison has a van. don't know how many vans. But that these vans try to detect what's going on underground. And I've tried to get information on how many vans we have. there is there are vans that ConEdison has. So there is information on what is going on down below. And I think that we have to have information from ConEdison on a regular basis about the concerns they have or issues their addressing underground. And I say that because without that information with an aging info structure in this city. Parts of our city we have piping installed in the 1800's still in place. I, I don't think that our preparedness is gonna be all inclusive unless we have that. I did we request in the past? Is this something because what talking talking ConEdison about when there's a blackout, I mean I can find out when there's a blackout by going by getting a notify New York City email. Although that's something else I wanna go into. I'm not happy with notifying New York City. But, I do get emails

telling me when there's a blackout in Staten Island.
I get an email. So I don't know if we need ConEdison
for that as much as we need for what's going on
underground.

NICHOLAS O'BRIEN: And I'm happy to follow up with them and find what data might be available and how how we could kick off of data sharing agreement and will report back to you.

CHAIRPERSON VACCA: I think there has to be a since of urgency about it you know. I mean here in Harlem we had we had a situation where no one called ConEdison. You know sometimes when smell gas, your not sure your smelling gas. It's like people didn't call because maybe they weren't absolutely certain what that smell was. So I'd like I'd like for them how about cable companies do you have a relationship with cable companies? Is that something you should have? Should you, shouldn't you have a relationship with cable companies?

NICHOLAS O'BRIEN: We currently do not get information from the cable utilities.

CHAIPERSON VACCA: But then what doing is not inclusive of what we should be doing right?

2 Shouldn't cable companies have communication with us? 3 And shouldn't they be a part of our discussion.

NICHOLAS O'BRIEN: Yeah and I think that we've made great strides in collecting a lot of the city information together in one place. It's an ongoing effort and we certainly are always looking for new sources of data so that we have the most comprehensive picture of the city.

CHAIPERSON VACCA: Let me ask you something. The MTA they have track work, signal work. They have signal stations both above ground and on street level. Should they be involved with us? Should they be at the table in some shape or form?

NICHOLAS O'BRIEN: They do release data on their turn style activity so we know the flows in and out of the system. They make that public and we do look at that. I certainly think there they are opportunities for greater data sharing going forward.

CHAIRPERSON VACCA: Ok. So the examples I've given I think are basically non-city agencies.

But then we go into what is a non-city agency. So if were gonna make this all inclusive, you know I'm thinking of hybrids like; HHC and Nitcha. Now are

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they technically not city agencies but they are
getting city money and I just see a roll from them,
I'm not in your agency so I don't have an idea what
the roll would be but I do think that what we doing
now is kind of restrictive in who we're involving.
It may not be all in one task force but you may wanna
have other task forces that deal with the roll of
non-governmental agencies, the hybrid agencies and
things like that. Ok. Is there anything from
preventing you from connecting all city agencies
through Databridge and automating all of the data
sharing functions in the near future?

NICHOLAS O'BRIEN: Just the size of the city. And the amount of work that takes to do that. As far as we know there are no structural limitation to it expect for the resource constraints that we have.

CHAIRPERSON VACCA: Alright, go into that with me. What are your resources? How many people are in the mayor's office of data anionic?

NICHOLAS O'BRIEN: Currently right now we are staffed for 8 people.

2 decision to make in terms of the proper staffing
3 level.

CHAIRPERSON VACCA: Ok. That maybe something we can look at at the council. To make sure that your properly staffed. Everything today is technology and to think of only 8 people in your unit with the job that think we have ahead us is something that I want to pursue. I want to recognize my colleague Annabell Palmer who just arrived, welcome. Ok. How many agencies have internal data analysis like FDNY? How many agencies have a model that would be similar to FDNY. We've heard building, we've heard FDNY. Do other agencies have models like that, that their where they have?

NICHOLAS O'BRIEN: They exist on different levels and have different focuses. One example is department of education instead of the innovation zone. Which is similar. I think we're attempting to figure out exactly what the perfect mix is for an analytic units. Because some of these fixes have are more based on operation, some of the based on data. That has a lot to do with the I think the savvy of the agency in terms of their progress in standing up data systems. So ones that are more

advanced are would have more computer scientist and statisticians required and ones assume more paper based would have more operational people who would figure out how to manage that change process from those older methods to more modern methods.

CHAIRPERSON VACCA: Ok. The FDNY can you describe your risked based inspection system? And how have this assisted you in identifying dangerous conditions?

JEFF ROTH: Sure, again Assistant

Commissioner for Management Initiatives, Jeff Roth.

That's what we talked about a little bit earlier in just to kind of speak more to the model and how it works. When we deployed the application in March of 2013 had a very simple model in the background that looked at data that we had collect through building cards which were the paper based system that the chief Boggatt spoke of and as we stood up our on analytic units we were able to do more rigorous data analysis and we deployed a new model in the background of the application in July. That model is out there now it has a stronger predictive capability then the previous model and currently we're looking at data factors from across multiple city agencies

leveraging the databridge, data warehouse and we're
looking at multiple factors to make the prediction
model even stronger. We expect to deploy that
sometime this summer as well. So it will be our $3^{\rm rd}$
generation of the risk model. And we think that'll
help us target even better and prioritize even better
buildings that we think are most at risk.

CHAIRPERSON VACCA: Do you have a full time analytic person on staff?

JEFF ROTH: We have a team of 4 people in our on analytics unit, yes.

CHAIRPERSON VACCA: Ok. And is there information that would useful to you that you don't have? Have you identified where you wanna go with with advancing in the field?

JEFF ROTH: Yeah, we we been leveraging the databridge and certainly you know Nick has spoken to some of the constraints, resource constraints of that. Certainly after the explosion in East Harlem we were as interested as anybody in looking at data from sources outside of city government. So the extent that someday we could have access to those databases would be would be fantastic and interesting

whole life. Hello everybody. Good morning, I should

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say that, that's better. Why don't we start and let me ask for the young lady please go first. Introduce yourself and will take off ok.

DARA ADAMS: There we go. Good morning Mr. Chairman and members of the committee thank you for inviting me to present today. My name is Dara Adams and I'm the Account Executive for New York City Local Government SAS Institute. Prior to joining SAS I spent 6 years in public service including my roles as the Committee Affairs Director for the New York City of the Department of Ed and as intercommerce to Carolyn Mahoney. SAS is a 38 year old company based in North Carolina. We're the industry leader in advanced analytics and statistical software and solutions. And the largest privately held software company in the world. Recently we launched an advance analytics labs with 200 researchers focused exclusively on solving the most challenging problems state and local governments. New York City partnered with SAS for decades with close to 28 agencies already relying on our solutions. Including the Mayor's office of data and analytics which you just heard from the fire department and center for innovation of data intelligence. What is analytics

simply stating? Analytics involve applying advanced
math and statistics to data to reveal information not
just about what happened in the past but also about
what we can expect to happen in the future and how we
achieve the best outcomes going forward. While there
are limitless application for how analytics can be
used by government to solve problems and save live
and money. I'd like to focus to day on how analytics
can be applied to help protect and improve the lives
of some of most vulnerable New Yorkers, our children.
This past January here in New York City in 4 year old
Miles Dobson was starved, tortured and beaten to
death by his father's girlfriend while his father was
in jail. An investigation revealed that among other
red flags the administration for children services
wasn't aware that Miles's father was in jail or that
he been incarcerated for 6 months previously.
Despite ECS having made 9 visits to the home during
that time. I can say with confidence that tragedies
like this one can be avoided with better data
integration across agencies and the application of
advanced analytics. I know this because SAS is
engaged my state and local governments around the
nation to prevent tragedies like this from occurring.

Recently the Florida department childhood and family
services came under scrutiny for a rash of child
fatalities and turned to SAS to help make improvement
to child protect investigations. SAS analyzed DCF
data and used advanced analytics to give DCF the
knowledge it need to reform it policies, expand its
focus on the right issues and empower case workers to
make better decision relating to families in crisis.
LA County also use the SAS analytics to help protect
against child abuse within it foster care programs.
We have an obligation to protect our most precious
and defenseless new workers in analytics is an
extremely affective and underutilized tool in our
arsenal. Further, compared to other technology
initiatives, analytics are relatively low cost and
easily to implement and can provide benefits within
weeks rather than years. Having worked in city
government, I understand that there are challenges
and barriers to adopting analytics including
reluctance based that the agencies to share data and
an apprehension to change the way they operate. Many
city agencies are starting to realize the potential
of analytics but there is much much more that can and
should be done. New Yorkers have only just began to

name is Noel Hidalgo and it's a great honor to

2	address you and represent the New York City
3	technology community, particularly a rather active
4	group of technologist the Civic Hackers. We are over
5	1,700 members and Beta NYC mission is to build a city
6	for the people by the people for the 21 st century.
7	Last fall we published the people's road map to a
8	digital New York City where we outlined the digital
9	road map for the people. We're a member driven
10	organization and members of the New York City
11	transparency working group. A coalition of good
12	government groups that supported the city's
13	transformative open data law. While they're many
14	specifics that I could point out I will focus on 3
15	points of government. Leadership, data standards and
16	quality and citizen centric design. During the last
17	3 years of the Bloomberg administration, New Yorkers
18	were turned on to a well oiled analytic analytical
19	machine. Championed by the city chief analytics
20	officer executive order 306 of 2013 and the city's
21	open data, law citizen were able to see the value of
22	interlocking 21 st century components. 4 months into
23	the DeBalscio administration the city is missing a
24	sweet of leaders who store technology data and a
25	progressive vision. Currently the city's missing a

2	chief information officer at Do It. The city's is
3	missing a chief analytics officer at the MODA. The
4	chief digital officer has yet to be appointed at NYC
5	Digital. And there's no executive director at the
6	NYC technology development corporation. This
7	leadership gap affects all agencies. We need
8	coordination across each agency. The city needs CIO
9	and CTO within agency's who can properly value
10	internal and external data collaboration. Systems
11	like 311 and westie [sic] datashare and databridge
12	are fundamental underpinning to a fully integrated
13	and efficient government. We need the Mayor's office
14	to hire a progressive technology leadership team.
15	These leaders will set the tone for data and
16	coordination without them were unable to collect if
17	we build a progressive technology agenda that maps to
18	the city needs. The 2 nd issue when it comes down to
19	data quality. Currently the city isn't maximizing
20	its return on data sharing. 1 st the city's GIS
21	department is unique. They're the first line of
22	attack in making the city's data useful. There maps,
23	while helpful often obscure access to the data. The
24	city's rap information portal (RIP) contains unified
25	rap inspection data under a complicated and sometimes

irustrating map interface. I can't find this data on
the city's data portal. A month or so ago one of our
members needed to find a childcare center. The data
provided on the health and mental hygiene look up
tool was inaccurate nor could she find this data on
the city data catalog. Several of our members saw
this as a notable challenge, scraped the data and
produced a usable map. Sadly this is just a snapshot
of data and needs a partnership with HNH to keep this
map alive. These are just 2 examples of city data
being locked behind frustrating interfaces. This
year the council needs to update its open data law to
ensure that these curated and sanitized data sets are
accessible to the general public. We need the city's
open data law to be expanded and enforced. Data
standards. Over the last 10 years technologist have
worked to build commonly defined data environments.
These data environments have created commonly defined
schemers. In a broader since these are
internationally recognized words, sentences and
shared narratives. More or less a structured
language for computer for computer applications. In
2012 YELP, the city of San Francisco, the city of New
York and Code for America announced the formation of

the live standard. A unified standard for restaurant
inspection scores. When the standard was launched
New York City was suspiciously absent. I mentioned
this because the city 4 year old restaurants
inspection score data continues to be riddle with
data errors and not compliant with the live standard.
We have complained and no one seems to care. Again
the city has produced its own restaurant inspection
website and app. Both have frustrating interfaces.
These are 3 examples of useful data being rooked away
behind a glass wall. Health and Mental Hygiene
Housing Authority, Department of Transportation,
NYPD, Department of Buildings, 311, Consumer Affairs
all have health and safety data pulls that should be
opened and shared in common data standards. We need
the city to adopt data standards to maximize our
collective data sharing investment. Now this comes
down to citizens centric design. Once we get the
better data quality, we can build better notification
tools. A guiding principal of citizens centric
design places data and information for citizens need
the data most. If I'm going out to eat, I'm not
going to walk around to look at restaurant inspection
scores. They're countless data flows that citizens.

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parents, consumers, eaters, motorcyclist, bicyclist, transit riders, etc. should have. Without placing good data into the hands of civic technologist and civic hackers. The city is not maximizing its judiciary duty. Imagine a parent subscribe to their child's daycare center sanitation alerts. Imagine a restaurant owner subscribe to street construction Imagine your constitutes getting personalize notification on assaults and thief's in the neighborhood. These system are possible if agencies constantly share data via consistent data standards. The city must invest in an interagency and public sharing, public data sharing. If the city's going to invest in a regulatory process to protect it's constituents its need to share that information by physical and digital means. Access to information is a fundamental human right and in the 21st century access to good, clean, health and safety data is a fundamental right. Thank you.

CHAIRPERSON VACCA: Sir

DON MCMORROW: Good morning and thank you chairman Vacca and other member of the technology committee for holding this timely hearing. My Don McMorrow and I'm testifying today on behalf of

ReInvent Albany, I am the Staff Attorney. ReInvent
Albany also co-chairs the New York City Transparency
working group and our organization coalition strongly
support the application for statistical modeling and
predictive analytics. And we would like to see a
Mayor's office of data analytics with the resources
to effectively preform such an analysis and share the
results with the public. So were here to make 2
points. The Mayor's office of data analytics should
be robustly funded and staffed. It's an extremely
powerful tool for the sound and efficient management
of the city. And 2^{nd} whenever possible data produced
by MODA and city agencies should be available to the
public by the city open data portal. In some cases
concerns about the privacy of individuals and
concerns about security preclude making data open.
However, a significant share of the data used by MODA
and assembled in the city's data bridge database as
well as data used in agency stats performance
management by agency executives. Does not affect
security or impinge on individual privacy. This data
should be public. Currently the city has a small
public data universe and very large internal data
universe that the public cannot see. This is not in

the spirit of the open data law and does not get the
best value from the data the city is collecting and
analyzing at great taxpayer expense. MODA was
formally established about a year ago, although New
York City has saved tremendous amounts of taxpayer
money and employee time over the last decade, thanks
to the previous administration investment in data
driven government. We strongly urge the city to
continue to support a large and robust MODA with a
least a dozen analysts. We believe the city would
see enormous savings from the kind of insight that
MODA can provide with data analytics. The
comprehensive agency data the city has access to via
its data bridge data management system is among most
valuable the city has. The data is highly
scrutinized and refined and expensively collected.
Policy decisions for the entire city should be
informed and driven by MODA and its team of data
analysis. We heard about the MODA and its
collaboration with the fire departments and other
agencies should make their data available to MODA for
this kind of analysis and predictions. The saving
will be staggering. However, this status should not
iust live on databridge for MODA private use. These

data sets and analytics should be shared with the
public. If the health department were to find naval
connection between environmental conditions and risk
of disease or infections, they should put it online.
If the police department finds a connection between
crime and some local indicator, that should be put
online. The collection and analysis of this data was
paid for by the public and it belongs to the public.
Borrowing some secret, specific infringement of
personal privacy this data should not be secret.
Likewise, the information in which agencies are
already collecting and analyzing about their own
performance, collectively known as agency stat.
Should be made available as open data. New York City
should not have a 2 tiered system with public data
sets for the public to use and private data sets for
the MODA's use only. To realize the maximum value of
this data, it needs to be shared with the public.
Thank you very much for the opportunity to speak
today.
CHAIRPERSON VACCA: Thank you, thank you

CHAIRPERSON VACCA: Thank you, thank you everyone. I wanted to get back on something Mr.

Hilgaldo said and you talked about understanding the technology and I think that many people may have

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access to technology but the way it's its laid out is very confusing to them. Very difficult for them to access. If you had difficulty finding things on the health department website. Just think what the average person goes through. So isn't one of the challenges were facing making the accessability of technology a little more user friendly and easier to access?

NOEL HIDALGO: Yes, so NYC digital ran a great campaign I think in the first year to reinvent NYC.gov. They looked, they did hacked-a-thon, they solicited public improvement or a least ideas in consideration on how to improve NYC.gov just the landing page alone. But yet when we go to agency by agency websites, you know department of consumer is an excellent example of this. You get information overload. In so you get information overload. you go to DCA website, your bombarded with with all of the opportunities that you go to DCA that DCA offers. Each agency through a combination of Do It should be engaged with the general public to find out how to lower the barriers to get access to that information. How to simplify it. How to streamline it and have a constant conversation. What Beta NYC

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does is that were kind of we are the cities technology community. And were here to help government agencies understand how to better use those information frameworks to deliver that information in a simpler and easy to use format. We have colleagues there's another group called civic service forum which is also about trying to use design to lower the barrier to information. A lot of these websites as they've been crafted over the last decade or so have have just had more and more lego pieces attached to it. And so it sometimes can be very complicated to navigate those websites and if were properly if we're going to maximize our dollar in technology, we need to evaluate each one of these website using the CIO's and CTO's of the agencies and the general public.

CHAIRPERSON VACCA: You really you really went were I was going because I also find that the DOE website is overloaded with stuff. And I I don't think most parents are that technology savvy to really get what they want out of the DOE website. So my comment to you is what can we do, or what can your organization or advocates all of you to rate the various agency websites. I'd like them given an A

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and a B like like like the coffee place I go to in the morning. And why did it get and A and why did it get a B and what can we do to improve it. I think a rating system, not just for newyorkcity.gov as a whole but for the agencies and their websites. Is that something you've looked at?

NOEL HIDALGO: So the an international organization called the Open Knowledge Foundation currently has a census that's taking a look at every single city, major city in the United States and though kind of the data or information that their providing and allows you to score it. New York City so far hasn't done as good of a job of some of the other cities. But technology is more for that conversation, so we need to have a better understanding of what New Yorkers need vs. kind of what Chicagoans need. I agree that there should be a active conversation about performance, information, data, mapping capabilities and make sure that the people have access to that. We can take that on as a challenge and we would gladly like to work with you to work on a report like that. So that way you can hold agencies feet to the fire and hopefully we can get some of these website designed in a way that

useful for all New Yorkers. Multilingual, low bow, you know it has interfaces that easily get accessed through search engines etc.

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CHAIRPERSON VACCA: Well first, I would think first we have to develop a rubric. The rubric would have to be what do we look for in a measurement tool.

The analytics is also DARA ADAMS: available so that you could even understand what are the analytics who's visiting the websites, how often, what are the most clicked things. Think about when you go on your Facebook page or any other ad site and you see all these customized ads popping up, you know I just bought a ticket, I'm going to Chicago and so all of a sudden I go to my Facebook page and I see all these things of what I could do in Chicago. That's because Facebook capturing that data and is able to apply analytics that their customizing there user experience for me. There's no reason that any other city agency couldn't apply this same technology that SAS uses for Target, uses for all kinds of private companies to city sites, so that when you go in check the DOV website you're getting a personalized experience of things that you most

visit, the things that you look at. So that your
user experience is better.

CHAIRPERSON VACCA: That very interesting. Go ahead sir.

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NOEL HIDALGO: Also if I may. And it doesn't have to be about predictive to and you know for years you know city websites have you know failed to provide basic information like childcare centers and you know the web analytics and the server logs record all this information we can find out where city websites and constituents have been talking past each other. Where people go to these websites and they don't find what their looking for. They type into the search box, you know childcare centers and nothing pops ups. We can find out where, what people are interesting in instead of blinding pumping out more data into the open data portal. And hoping that they develop or find some information that people wanted and turns it into a usable form for people. Cause I, I mean I'm a lawyer, I have no practical skills, I can't make any use of the data on the open data portal. [laughter]

DARA ADAMS: The other thing I would say is that a lot of people can't. I'm not a data

2	scientist either you know and amateur date anything
3	my background is in government, so I go on the open
4	data website I think it's awesome but there is
5	millions of rows of data and it doesn't mean anything
6	and I don't have the ability to make a visualization
7	and we are so grateful for the open data community
8	and that tech I mean I go to the hack-a-thons for
9	Noel and his group because they put together these
10	visualizations that help us to make sense of the
11	data. But this city should be doing more
12	visualization as well and the technology is out there
13	and available for them to be building their own
14	visualizations and to be creating dashboards instead
15	of giants spreadsheets worth of things to tabulate.
16	I went on Dicases website the other day then they
17	have a performance management site you can check the
18	performance. Maybe I'm just not that bright, I
19	couldn't make it work. I couldn't figure it out.
20	And I couldn't understand why it wasn't visual. Why
21	I had to click a box here and click a box there and
22	there's was even like and/or symbol and you know it
23	was very not intuitive. And there's no reason that I
24	shouldn't be able to a see how our city's performing.
25	Other cities are doing it.

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2 NOEL HIDALGO: One last thing so, NYC 3 digital did a good job through their hack-a-thon of 4 reinventing NYC.gov to come up with some core performance values. Things that should be integrated 5 6 in the Do It system that's provided to all different agencies. That was a very early conversation of what has then been extended by the UK's digital government 8 Which is a, imagine our version of Do 9 services GDS. It but a department within Do It, which is, their 10 soul mission is to look at technology construction 11 12 based upon design values, modern design values that 13 have been set forth by the technology communities 14 that really incorporate a broad spectrum of user 15 interfaces. It the federal government just put together a team that grows out of some of their own 16 initiatives that is looking to modernize their own 17 18 web info structure and use these basic design principals around that are used in every other major 19 20 website that you go to and to start applying them 21 exclusively to government. Several of us have gone 22 to the Mayor's office and said it would be great if we had a similar department in Do It or whether it's 23 the New York City technology development corporation, 24

whether it's New York digital. But it would be great

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if the city could take it's technology resources higher from the best talents that we have here in this digital city and really start to improve our info structure. We testified at that rules committee, talking about the value of open source. Most of these agencies that are developing government website are also using commonly standard open source tools to lower the cost of deployment. We can do this here in New York, but we need some leadership. We need to kind of staff and hire not only MODA but also digital teams that can build proper interfaces. And then we need to have conversations with the constitutes. New Yorkers from the entire spectrum on how they access information and how we can deliver and improve that.

Some very good points. I'm concerned about the all the vacancies we have as you ticked them off. We also don't have Do It commissioner yet. So all of these things way on me as well and I think the time has come that we have to move on these things and we gonna prod because it's already April and it would good to have people in place. And in technology we need people in place. Ok. I do wanna mention we

1	COMMITTEE ON TECHNOLOGY 67
2	were joined by council member Mark Werpin and anymore
3	witness? No, ok. I wanna thank you for coming and
4	for your input and we will be in touch. You have some
5	good ideas, all of you. Without further business,
6	it's 11:15 and this hearing of Technology Committee
7	of the city council is hereby adjourned.
8	[gavel]
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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 ____May 5, 2014_____