

City of Coral Gables City Commission Meeting
Agenda Item I-3
January 28, 2020
City Commission Chambers
405 Biltmore Way, Coral Gables, FL

City Commission

Mayor Raul Valdes-Fauli
Vice Mayor Vince Lago
Commissioner Pat Keon
Commissioner Michael Mena
Commissioner Jorge Fors

City Staff

City Manager, Peter Iglesias
Assistant City Manager, Ed Santamaria
City Attorney, Miriam Ramos
City Clerk, Billy Urquia
Information Technology Director, Raimundo Rodulfo
Marketing and Events Specialist, Belkys Perez

Public Speaker(s)

Agenda Item I-3 [3:28 p.m.]
Coral Gables Exhibition at the CES 2020 Smart Cities Expo.

Mayor Valdes-Fauli: Item (INAUDIBLE)...

Vice Mayor Lago: Thank you.

Mayor Valdes-Fauli: 3 -- or I-3, I'm sorry. I-3.

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Agenda Item I-3 - Coral Gables Exhibition at the CES 2020 Smart Cities Expo.

Vice Mayor Lago: Yes.

Marketing and Events Specialist Perez: Thank you, Mayor. We were asked by the City Manager to update you all on the CES Delegation that went and the actual conference. Alex Gamundo, Raimundo, which is our IT Director and I assisted and went to the conference. If we could get the PowerPoint up, I can take you through it. So, in its absence, I'm going to say that...

Mayor Valdes-Fauli: Can Raimundo get the PowerPoint to work?

Marketing and Events Specialist Perez: There we are. Alright, so the CES conference, Consumer Electronics Show, is the world's gathering place for all who thrive on the business of consumer technologies. I got this from their website. And for us as -- our mission was that our consumers are really our residents. There was 175 attendees and more, 160 companies -- countries represented. And about a hundred -- 4,500 companies that exhibited at the conference, just like we did. Alright, so there was an international pavilion, and this was really remarkable to see. We had -- among others, we had Holland, Japan, Switzerland, Italy, France, Israel, South Korea, and even Hong Kong there. And it was really impressive, the technologies that they were showcasing. Why Coral Gables? Coral Gables was the only city in the US to be exhibiting at this conference. Our mission was promotional in the sense that promoting the city, we wanted to promote the City as a smart city and its framework of technology. It was educational for us as well, sharing what's worked and failed in our endeavors and also teaching other cities how to get started on this path. We also learned from industry experts at the conference. It was also research-based. We wanted to explore the technological advances at the show and further engage companies, nonprofit organizations, and educational institutions that offer solutions and technologies that we still need to explore. So, the -- our goal as far as economic development is concerned, was to show how these solutions have helped our department in providing useful information for developers, for event organizers and beyond. We met with the City of Los Angeles, and it's good to point out that the strip is not in the City proper; it's actually in the county. So, we met with the City of Las

Vegas, which created an innovative district and is currently in the process of renovating and revitalizing their downtown. So, this integrated economic development approach, where we are exploring best practices of other cities as part of the function of our Economic Development Department. So, as a result of being the only US city to exhibit in the CES, we had some significant media coverage. Raimundo was interviewed by the Consumer Technology Association, which actually produces the CES; the Washington Post interviewed him; Smart Cities World, which is the technology organization -- sorry, technology organization out of London and Current Insight, which is a media company focusing on Internet of Things in small cities. Some of the executives from Delta Airlines, the Ford Motor Company, and even the CFO of Yahoo came to our booth. So, there is no amount of advertising that I could have cobbled up together and promoted this nationwide that could have netted the quality attention that we got and the quality of conversation that we had at our booth. So, that's really important to point out. And with that, I'm going to turn it over to Raimundo.

Information Technology Director Rodolfo: Thank you, Belkys. Raimundo Rodolfo, Director of Information Technology. Mayor, Vice Mayor, Commissioners. So, it was a great opportunity to be there at that conference, the greatest innovation hub in the entire world. So, the entire world was there, and we had like a first look at the innovations that are going to shape this decade. So, you know, all those areas that we call the fourth industrial revolution. So, in our booth, so we had the opportunity, our team, with Alex, Belkys and I, to present -- to do a live demonstration of the smart city technology that the City has been recognized internationally for, like the Smart City Hub, the Internet of Things, the Smart Districts Project, which by the way, was awarded a Smart 50 Award last week. It's a prestigious award that our city received for this project. And then we were there, and we had the opportunity to do this demonstration to industrial leaders, to members from science and academia, and they were very impressed with the live demonstration because one thing is to talk about plans and ideas; another thing is to show actual things that are working and results with live data that we shared with the public and with the stakeholders. So, we also had the opportunity to talk about the infrastructure and the plans and the engineering behind. And other cities are also learning from what we're doing. And we got praised also from institutions

about our planning site. The City is planning well all these projects. Also, the implementation of projects that have quality of life metrics, so showing how these projects impacted some quality of life metrics for our citizens. And then we had the opportunity also to share the City of Coral Gables advantages as an innovation hub. So, we talked a little bit about the advantages of Coral Gables, you know, its proximity to the airport and to the ports and other -- and to the (INAUDIBLE) America, but also the vibrant downtown and the presence of multinationals. So, the idea was also to promote the City for economic opportunities, which Belkys helped us to do that. And we had handouts and support material from the City. We produced a brochure that has augmented reality. So, it shows the Smart City projects in the City. But if you have an augmented reality app over the brochure you see live video that CGTV helped us produce, so it was something that people liked very much.

Mayor Valdes-Fauli: This is a wonderful book.

Vice Mayor Lago: Yeah.

Information Technology Director Rodulfo: We also had -- thank you, Mayor. We also had the -- for the first time, we presented the publication from the Beacon Council that it hasn't even been shared yet and we shared it there for the first time, that features Coral Gables like in two or three places, including the Umbrella spread. We are -- that was a partnership that we did with the Beacon Council. That was very, very, very good. We also got the magazine from the Chamber of Commerce, from the Coral Gables Chamber of Commerce, and the Innovate Miami book also where the City is featured. So, we did demonstrations to -- we had meetings at the booth with the National Institute of Standards and Technologies, with UM researchers, Dr. Asada and (INAUDIBLE). They are good collaborators of our Smart City projects. And we met with international trade organizations, with startups, with the media. So, it was very, very productive. Now, let me talk a little about the -- the next one. So, the collaboration was important. So, we collaborated there with the National Institute of Standards and Technology. We are a participant of their Smart City global project. And the NIST -- they actually highlighted Coral Gables as a

case study, as a role model for other cities in terms of implementing Smart City technologies. We were very, very proud of being highlighted by NIST during the sessions. And also, we met with the Smart City Lab from the European Union. We started a new collaboration with them to use in some open data platforms. We met with the Smart City Council that they were actually the first organization that invited us to participate at the CES Expo. UM, that I mentioned. And also, the Department of Commerce; we met with the Trade Delegation, international. The Department of Transportation, we met with them, and also, with the FAA. Alex spoke to them about our drone program for public safety, and we are going to get some resources for training and for regulation for use of drones. And we met with the Department of Homeland Security, very important because we met with their cybersecurity and information security team there. You know, we understand the challenges that we're facing and how they are helping us to face those challenges. The IOT Consortium, we started a collaboration. That -- in that consortium, you have all the major automakers, so the cars of the present and the future, they are coming connected. So, those connected vehicles now are part of the IOT. So, that's why at the IOTC we have the major automakers. They were present there and we met with them. And the Cellular Telecommunication Industry Association, you know what is the big thing now is 5G. So, everybody is talking about 5G. And at the CTAA, we were first when they were discussing how 5G is going to be rolled out in cities, that we were -- I said that we were like a fly on the wall there when those things were discussed. But because we were the only city present, they also asked us a lot of questions. So, how are those things are impacting our plans? Well, there was -- someone's example was that we met with cities like Las Vegas, Cary, North Carolina, and Los Angeles, so we got a lot of good feedback. So, the next part is the (INAUDIBLE) session. So, there were sessions from NIST at the Smart City Expo, where they talked about Coral Gables actually. They presented Coral Gables as a case study, so we were very proud. Dr. (INAUDIBLE) is maybe one of the biggest expert experts globally on smart cities. He's the head of NIST's global smart city program. And he speaks highly of what we're doing and our public-private partnerships in our ecosystem. So, we also went to sessions about resiliency for hurricanes, emergencies. We went to sessions about IoT in artificial intelligence. A keynote with global leaders, for example, the CEO of Samsung was there presenting the latest innovations, et cetera. So, we couldn't cover the more than 1 million square

footage of exhibits that were there; that was going to be impossible. So, we concentrated mostly on the Smart City pavilions. There was an entire venue, like five pavilions and we went to everything that we could. The Smart City resilience, public safety technologies. We also went to the part of mobility, where we saw a lot of, you know -- everything that you saw there was either connected or smart or autonomous, so that's the thing. They're using a lot of artificial intelligence to power mobility in all its forms. And we shared that with our colleagues also, and especially the smart parking technology that we saw there, artificial intelligence, robotics. They were -- that was a common thing. They say that these decade is going to be shaped by AI, the same way how the 90s were shaped by mobility, by mobile phones and by the Internet. So, that was a \$15 trillion transformation. AI, this decade, it's a steady trillion-dollar transformation. So, you have an idea of how they feel that that's impacting the industry and all the areas. So, what are the takeaways, the lessons learned? Many. I would say that we started like four or five pilots after this exhibit. We have a pilot with a company that they consolidate a lot of technologies that you have on the street in one single device. We're talking about Wi-Fi, et cetera. So, we are doing some pilots with new technologies that were first to market. So, they were presented for the first time there. Artificial intelligence demo. We are doing two. We are doing a demo lab with UM. We are doing also an augmented reality pilot with Magic Leap and with UM. And all the conversations that we have with all these groups that I mentioned, like the IOTC and CTAA, they invite us to join some think tanks, the Cellular Industry Association and also the IOTC invited us. So, the City got a lot of recognition there. So, from NIST, for example, they say that the City of Coral Gables has an innovative approach to solving problems and is a great model for other communities. And you see all their comments there, so it was very, very positive. We were highlighted as a good model for public-private partnerships and from ecosystem industrial leaders, many good comments. They liked the technologies that we exhibited. They also liked the fact that we were exhibiting there, that we were at a Smart City expo and we were a smart city presenting and sharing, learning from others. So, that will be in a nutshell, I guess.

Mayor Valdes-Fauli: That's wonderful. I congratulate you. And I'm very, very glad that you had the initiative to participate in things like this. I mean, for your -- it's not only that you go because

you're going to do a good job, (INAUDIBLE). But your initiative in going is also great. I mean, I'm very, very happy that we have you and your team and everything else.

Assistant City Manager Santamaria: With the permission of the Chair. The only thing that matches Raimundo's humility is -- his achievements is his humility. Yesterday, we received notice from the Smart Cities Connect organization, which is an international organization in the Smart City space, that is recognizing the City of Coral Gables, its submittal, as one of the Smart 50. There are numerous -- I don't know how many submittals, but we're in the top 50 and we're going to be...

Mayor Valdes-Fauli: Beautiful.

Assistant City Manager Santamaria: Recognized for that. And so, Raimundo is doing a fantastic job. The IT Department is doing a great job. And as you said, Mr. Mayor, it's really good that we have someone of Raimundo's...

Mayor Valdes-Fauli: It's wonderful.

Assistant City Manager Santamaria: Caliber.

Mayor Valdes-Fauli: Next year, we're going to send you by bicycle.

Commissioner Keon: On Alhambra.

Information Technology Director Rodulfo: We have a great team.

Vice Mayor Lago: Team, you guys did a wonderful job.

Mayor Valdes-Fauli: You did a wonderful job.

Vice Mayor Lago: So, congratulations.

Mayor Valdes-Fauli: I'm very proud of you.

Vice Mayor Lago: Thank you for the way that you represented the City.

Mayor Valdes-Fauli: I'm really glad that you're with us.

City Manager Iglesias: When we attend these kinds of meetings, where there's so much innovation, it stirs more innovation and more innovation from us here to -- for us to be number one and keep ourselves at number one in the smart city. And we're looking at this two-year, three-year term where we'll be paperless. We'll be GIS based. We'll be really -- want to make sure that we maintain our status as a top smart city for our size.