

**City of Milpitas
Unapproved Minutes
Science, Technology and Innovation Commission
April 15, 2019**

I. Call to Order & Roll Call:

Chair Dinesh Gupta called the meeting to order at 7:00 P.M.

Members Present: D. Gupta, N. Gupta, W. Lam, E. Bautista, A. Bao, H. Tran, K. Bohan, J. Hallera, R. Choudhury (Alt2)

Members Absent: S. Singh (e)

I.S. Staff: M. Luu, E. Pasion

II. Pledge of Allegiance:

The members of the Commission recited the Pledge of Allegiance.

III. Announcements:

Staff reported to the commission of the annual commissioners' recognition brunch to be held on Saturday, April 27, 2019, in the Milpitas community center auditorium.

IV. Approval of the Agenda:

Chair Gupta requested that agenda item 2. Verizon Small Cell presentation be first and the March monthly report for be the second item on the agenda.

Motion to approve the agenda as submitted.

M/S W. Lam / N. Gupta Ayes: 9

V. Approval of the Minutes:

Motion to approve the minutes for February 25, 2019

M/S N. Gupta / W. Lam Ayes: 9

VI. Citizen's Forum:

No comments made for the record.

VII. New and Continued Business:

1. Verizon Small Cell Presentation

Staff welcomed representatives from Verizon wireless to the commission meeting.

Maureen Cruzen, with Verizon's Municipal Engagement, provided a slide presentation of Verizon's planned deployment of small cell communications antennas that would be located on existing city owned street light poles. Milpitas smart phone users is one of the larger communities that uses and accesses data from smart phone technologies based on user data reports from Verizon. It is estimated by

2023 there will be 48 gigabytes of data each month for each household in Milpitas due to the demands of accessing information from appliances such as refrigerators, tablets, home security control networks and a host of homebased smart devices.

Verizon explained that Milpitas has the opportunity expand its existing cellular network coverage with existing 4-G small cell antennas which will be located on existing city-owned street light poles. By doing so it will improve the coverage of areas where the cellular data traffic is currently limited due to location and distance from larger cellular tower locations. Meanwhile, the planned rollout of 5-G cellular technology will simply replace the existing 4-G antennas already in place. Verizon estimates that Milpitas will be upgraded to the faster 5-G small cell technology by 2020. Verizon also noted that the expansion of 5-G would not involve new building locations and instead focus primarily on city street light poles.

The commissioners asked whether Verizon has completed a radiation frequency study for the small antennas technology. Verizon noted that it has completed such a study with the broadcast and wireless engineering firm of Hammett and Edison Inc. of Sonoma. An extensive study involving wireless and radio frequency space requirements has been completed for FCC licensing qualifications. Verizon added the commission can forward questions to staff that can be given to Hammett and Edison for response. The commission added it would like to have Verizon and Hammett and Edison provide additional information possibly for the June 17th commission meeting. Commissioner Bohan expressed his concerns regarding the projects radiation exposure to the public and noted that it is growing issue in all facets of technology usage.

Chair Gupta and commissioners thanked Verizon for the presentation and welcomed the opportunity for further discussion on the proposed 5-G technology rollout in Milpitas at the commission's June 17th meeting.

Motion to note, receipt and file.

M/S

N. Gupta / E. Bautista

Ayes: 9

2. March 2019 Monthly Report

Staff reported on the department's projects and activities that are in progress for the month of March 2019.

- Dispatch center 911 upgrades to phone and hardware.
- Network technology replacement and upgraded equipment process.
- WiFi access point locations within city operated buildings.
- MS Office 365 rollout and staff training on it usage in May 2019.
- Radio project for public safety Santa Clara county-wide. Purchased Motorola digital radios with Go-Live planned for December 2019.
- Verizon 5-G Master Language Agreement (MLA) for small cell deployment in the Milpitas area.
- Cayenta use agreements from vendor to be used for various city departments.

- IT Strategic Planning
- AT&T FirstNet public safety redundancy project exclusively for the law enforcement and public safety agencies to protect the operations and continuity of agency data network availability up-time.
- Automated Milpitas water payment kiosk systems at location 7-11 stores.
- Language translation application to covert non-english spoken language via online bot technology services.

Chair Gupta requested to add several topics to the commission's work plan and development new questions to be considered for the city. Staff added that it can contact vendors to present details and technical information to the commission at a later meeting addressing public safety and communications in the Milpitas area and addressing community outreach on its technologies.

Motion to note, receipt and file.

M/S N. Gupta / W. Lam Ayes: 9

3. Work Plan & Alignment with Council Priorities

Due to a power outage in the building the commission requested to continue this item.

Motion to note, receipt and file.

M/S N. Gupta / W. Lam Ayes: 9

4. Round Table Discussion

No comments made for the record.

VIII. Adjournment of Meeting:

Chair Dinesh Gupta adjourned the Science, Technology and Innovation Commission meeting at 8:21 PM, Monday, April 15, 2019. Due to a power failure in the city hall building and surrounding area.

The next scheduled commission meeting will be 7:00 PM Monday, May 20th, Milpitas city hall committee conference meeting room.