

**City of Milpitas
Unapproved Minutes
Telecommunications Commission
August 21, 2017**

I. Call to Order & Roll Call:

Telecom Chair Albert Alcorn called the meeting to order.

Members Present: A. Alcorn, D. Gupta, E. Bautista, W. Lam, H. Tran, N. Gupta, A. Bao (Alt 1),

Members Absent: K. Bohan, S. Singh, & A. Bkathavatchalam (Alt2)

I.S. Staff: M. Luu, E. Pasion Council member G. Barbadillo

II. Pledge of Allegiance:

The members of the Commission recited the Pledge of Allegiance.

III. Announcements:

No comments made for the record.

IV. Approval of the Agenda:

Motion to approve the agenda as submitted.

M/S	N. Gupta / H. Tran	Ayes: 7
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V. Approval of the Minutes:

Motion to approve the minutes for June 19, 2017.

M/S	N. Gupta / H. Tran	Ayes: 7
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VI. Citizen's Forum:

No comments made from the public.

VII. New and Continued Business:

1. Mobilitie Small Cell Presentation

Staff introduced representatives from Mobilitie to the commission.

Mobilitie is requesting to deploy in the Milpitas coverage area small cellular technology antennas to support the future rollout of 5G data services. The small cell technology, operates on 2 to 5 mili-watts and will be located on existing street light pole tops and will help increase the coverage area in heavy user traffic areas in Milpitas. Mobilitie is working with Sprint to rollout this new services which is scheduled for release in 2019. Mobilitie has stated that other cell carriers are also planning similar small cell technology deployments and other communities will also be part of this new service coverage. Mobilitie noted that the heaviest users of the cellular data network are in and around the Milpitas High School and middle school areas along Esculela Parkway where a large concentration of users are accessing the commercial cellular

networks in general. In exchange for locating its small cell antennas on the city's light poles, Mobilitie will pay the city of Milpitas a monthly fee. They would also run its own power to these locations and contract with P. G. & E. to establish utility accounts for power usage separate from the City's power. The fee to rent out the pole tops vary from city to city from \$250/month to \$1500/month. Currently, a proposed state senate bill (SB-649) is also being review that may drastically impact what local agencies can charge for the use and right of way to city utilities to support technology projects similar to Mobilitie's small cell project.

The Milpitas planning staff and planning commission reviewed this project as a "land use" planning matter. The City Council also reviewed and discussed this matter at is August 15 meeting and recommended that it be given further input and review from the city's Telecommunication Commission. Councilmember Barbadillo noted that the City is eager to participate in the new technology but seeks clarification from the Telecom Commission has on its merits and benefit to the Milpitas community.

The commission expressed concerns of radiation impacts in the surround area of the proposed antenna location around the various schools. Mobilitie noted that its small technology is FCC certified and meets all federal safety and regulatory guidelines for its use and operation.

The commission noted that it found no major issues with the small technology plan proposed by Mobilitie. The greater coverage and increased bandwidth for users would result as a benefit for the Milpitas community.

Motion to recommend formal support of the small technology plan for the Milpitas community.

M/S

N. Gupta / E. Bautista

Ayes: 7

2. Data Center Virtualization Report.

Chair Alcorn requested an update on the City's usage and expansion of server virtualization for the IS department data center.

Staff reported that the migration from traditional server-based equipment to virtual servers has been increasing due to the volume of technologies seeking server technology access. The internet, smart phones and tablets have added to the increased demand for data access and reliability to data sources. As the demand increased the availability of setting up and deploying new servers in timely manner also grew. Which resulted in a backlog of orders from manufactures. As a result, the workload on those server also increased with frequent downtime issues become an issue of concern on reliability on data centers.

Numerous server vendors are addressing the matter as the demand for a more secure and reliable method of data storage and access increases.

Today, with the advent of cloud computing services the concept of virtualization of server technology began to grow resulting in greater flexibility in deployment of servers and cost savings in time and money to

end users. Most recently, the City's Information Services department has been actively migrating over from its traditional server hardware server equipment to a virtual server environment. By doing so the City's data center has gained benefits in energy savings and overall cooling of equipment, reduced the total number of hardware servers and reducing racked server equipment and more importantly reduce that amount of server downtime due to power issues and equipment fault errors during its operations. Through virtualization accessing and maintaining servers has manageable and cloning of servers have been faster without the issues of replacement server equipment downtime and lengthy rebooting of hardware times. Additional benefit will be gained in service hours to the equipment, software updating and migration to other and equipment re-deployment for new support uses within an organization and the overall maintenance for the virtualized servers.

Staff demonstrated the City's data center virtualized environment and highlighted the features and the speed of the response of the equipment. The virtualized server environment allows for the faster response times and quicker reboots in the event of an outage or disaster recovery event. Data and server redundancy has also included into the overall usage and operation of the virtualized server environment.

Motion to note, receipt and file the staff presentation.

M/S

N. Gupta / D. Gupta

Ayes: 7

3. June & July 2017 Monthly Report

Staff provided updates on going technology projects for June and July 2017.

Notable highlights included: new projects for the new finance calendar year included the use of "air watch" due to the increased usage of mobile tablets in the building inspection staff; server consolidation in the data center; McCarthy Ranch main sewer lift station IS staff adding a data communications link via second radio communications unit for direct location to location connectivity for phones and web access; continuing with the city-wide network upgrade planning with the Cisco; the police RMS project is in progress; project docs for building and construction contracts for markups of plans and document via the city's CRW software applications and provide timely updates; continue work with Santa Clara County wide CAD project for mutual aid project.

Chair Alcorn requested an update on the CAD to CAD developments

Staff noted that it is working with Mobiltie on the small cell deployment application with the city.

Motion to note, receipt and file.

M/S

N. Gupta / D. Gupta

Ayes: 7

4. Round Table Discussion

Commissioner Boa reported that he will be presenting a technology report for the September meeting and will work with staff on placement on the agenda.

VIII. Adjournment of Meeting:

Next meeting will be Monday, September 18, 2017.