



CITY OF HAYWARD
OFFICE OF THE CITY MANAGER

SUBJECT: Council Technology Application Committee Meeting
DATE: Wednesday, September 27, 2006
TIME: 5:30 P.M. to 7:00 P.M.
LOCATION: City Hall, Conference Room 4A

TO: **Council Technology Application Committee**
Council Member Olden Henson, Chair
Council Member Bill Quirk
Council Member Bill Ward

THRU: Jesús Armas, City Manager *JA*

FROM: Perry Carter, Acting Assistant City Manager *PC*

Council Technology Application Committee Meeting

Wednesday, September 27, 2006

5:30 P.M. to 7:00 P.M.

Hayward City Hall

777 B St. Hayward

Conference Room 4A

Hayward, CA 94541

AGENDA

Public Comments: (Note: For matters not otherwise listed on the agenda. The Committee welcomes your comments under this section but is prohibited by State Law from discussing items not listed on the agenda. Your item will be taken under consideration and referred to staff.)

- 1. Minutes of June 21, 2006**
- 2. Update Regarding NextG Networks, Inc.**
- 3. Consideration of Agreement with MetroFi To Operate a Wi-Fi Network**
- 4. Member Comments**

Distribution:

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**Council Technology Application Committee (CTAC)
Meeting Minutes of June 21, 2006**

Members Present: Olden Henson (Chair), Bill Quirk, Bill Ward, Jesus Armas, Perry Carter, Clancy Priest, and Millie Saad.

Others: none

I. Public Comment: None.

II. Approval of Minutes

The Committee accepted the minutes of March 15, 2006.

III. On-Line Surveys

A project that staff will address in 2006-07 is a community or resident survey. The focus would include seeking resident satisfaction levels about the delivery of city services, as well as finding out what other services residents would like the City to offer.

Committee discussion focused on the merits of using an outside survey firm, which would use statistical sampling for a phone survey, versus an online survey whereby participation would be by self-selection and not a random sample. The question is what will get a greater level of participation and, at the same time, provide useful results.

Councilmember Henson suggested getting public input by asking residents to rank issues and services. City Manager Armas mentioned the idea of a periodic online survey that would present different questions and topics every two months or so. Councilmember Ward favored framing questions that would delve beyond the superficial; he also mentioned that there are still many in Hayward who do not yet have computers.

City Manager Armas suggested first identifying categories of questions to review with CTAC; starting generally and proceeding to more specific City services and projects. Councilmember Ward suggested that staff work out the categories and sample questions, as well as software options, and present them at a future CTAC meeting.

IV. Posting Biographical Information about Councilmembers on the City Website

The issue of posting biographical information of Councilmembers on the City website was raised during the budget work session. This topic was referred to CTAC for discussion by a consensus of Council.

Two questions were raised:

- Is the information about Councilmembers now on the City website enough?
- What additional information is needed?

CTAC reviewed the elected official webpage of some other cities. Some had too much information; while others provided useful ideas.

The overall consensus included:

- keeping the current City Council webpage format with the Councilmember photos;
- linking each Councilmember photo to a biographical page (up to one screen or 8-1/2 x 11 page in length);
- using a page template with information categories (e.g., occupation, education, qualifications, etc.);
- allowing each Councilmember to decide on the format for his or her biographical information (bulleted items, paragraphs, etc.)
- not allowing political statements;
- having the City Attorney review the content before posting.

Staff will put together a mock-up of a revised Councilmember webpage and linked biographical page for Council review at a work session before the August recess.

V. Safety Spectrum and Digital Cities

Councilmember Olden Henson shared information from the Digital Cities Conference that he attended as a representative of the National League of Cities. Both wireless and interoperable systems were key topics. There were many corporate hosts listed. A key issue was fundraising through public-private consortia to pay for wireless technology. Tempe, Arizona was presented as a model city in that regard. Government funding of public safety technology is also an issue, with no leadership on the federal level.

VI. Next Meeting

The next Committee meeting is scheduled for Wednesday, September 20, 2006.

Councilmember Quirk asked that the September meeting be held on a day other than Wednesday, and start at 4:30pm. This accommodation is just for the September meeting.

Suggested agenda items:

1. City Wi-Fi
2. Update Regarding NextG Networks



CITY OF HAYWARD
STAFF REPORT

AGENDA DATE 09/27/06

AGENDA ITEM _____

TO: Council Technology Application Committee

FROM: Director of Public Works

SUBJECT: Update Regarding NextG Networks, Inc.

RECOMMENDATION:

It is recommended that the Committee review and comment on this report update.

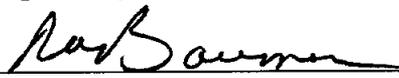
BACKGROUND:

As noted in previous reports, NextG is a voice/data telecommunications provider that provides services to commercial wireless mobile telecommunications carriers through micro-cell and fiber optic technology. NextG's services are designed to amplify and extend existing wireless mobile telecommunications carriers' radio frequency signals in difficult coverage areas. NextG contracts with wireless telecommunications providers; it does not directly provide telecommunications services to the public. This permits use of a single antenna by multiple companies, which reduces the deployment of cellular antenna facilities.

NextG determined there was a need to place such telecommunications equipment within the city's limits, after conducting an analysis of potential demand. On October 11, 2005, the City Council authorized the City Manager to enter into an agreement with NextG. Both parties signed an agreement in December 2005.

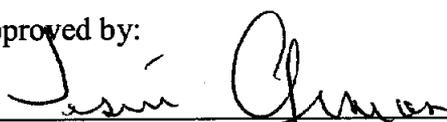
Recently, staff contacted NextG to obtain an update on progress towards installing equipment in targeted locations throughout the city. According to NextG, it has not yet received orders for sites in Hayward; the carriers prioritize their sites and NextG has limited influence over this matter. However, NextG notes that the need still exists and remains confident that this type of service will be brought to Hayward. In the meantime, NextG has been active in Southern California and is currently building extensive networks in San Diego, Los Angeles, and other cities in Southern California.

Prepared by:

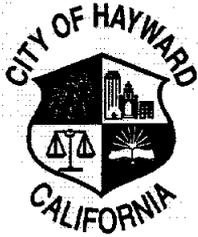


Robert A. Bauman, Director of Public Works

Approved by:



Jesús Armas, City Manager



CITY OF HAYWARD
STAFF REPORT

AGENDA DATE 9/27/06
AGENDA ITEM _____

TO: Council Technology Application Committee
FROM: City Manager
SUBJECT: Hayward Wi-Fi System

RECOMMENDATION:

It is recommended that the Committee approve staff's recommendation to present an agreement with MetroFi to the City Council for approval.

BACKGROUND:

MetroFi is a company involved in designing, building and operating high-performance, low-cost Wi-Fi Internet networks. The company partners with city governments, local business and advertisers, to deliver free, reliable high-speed wireless broadband service to the communities in which it operates. Founded in 2002, MetroFi is headquartered in Mountain View, California.

To date, MetroFi has built and operates Wi-Fi wireless broadband networks in Cupertino, Santa Clara, and Sunnyvale, California. Residents and businesses in these cities enjoy high-speed access to the Internet from anywhere in the community, wirelessly. The service is free, supported by local advertisers and delivers reliable high-speed internet connectivity.

MetroFi's network provides city governments and residents with improved communications. Emergency responders, building inspectors and other mobile workers are able to perform their jobs much more efficiently and effectively given the ability to connect to their data in the field. Specialized devices such as meter readers and surveillance cameras can also link into MetroFi's wireless networks.

MetroFi's networks operate by transmitting data via access points mounted on street light poles throughout a community. Subscribers with Wi-Fi enabled devices such as laptops and handheld computers receive an always-on, free, high-performance link to the Internet. Desktop computer users make use of an easy-to-install wireless modem to receive Free High Speed Internet.

MetroFi has proposed to establish a network within the City of Hayward. As previously reported, MetroFi is interested in utilizing existing streetlight poles within the City's right-of-way for the purposes of locating these units in places throughout Hayward. The proposed agreement with MetroFi calls for several important items of note.

MetroFi has agreed to pay the City an annual fee of \$36 for each City-owned streetlight used for such purposes during the initial contract term. The MetroFi payment will be in the form of a

credit in which the City can purchase secure municipal accounts. These accounts will improve efficiencies (For example remote laptop users in the field can connect securely back to City computing facilities. Better government will be enabled by making city workers as productive outside the office as they are when connected to broadband at their desks.) The total number of installations will be determined once MetroFi completes a more thorough analysis of signal strength patterns throughout the City. Once that work is completed, a specific plan for installation will be developed.

In addition, MetroFi has agreed to provide the City several accounts for the City's exclusive use at no cost to the City. There is the potential that this system could provide redundant pathways for remote access to the City's networks or enable other municipal applications that the city can use to improve efficiencies or reduce costs. Examples of this type of use would be meter reading, electronic signs, VOIP, remote laptop uses, video, security, or other mobile applications.

As with other agreements this one explicitly calls for MetroFi to adhere to all City policies related to acquiring the necessary permits and complying with all rules related to construction within the City's right-of-way. Furthermore, MetroFi understands that the locations and types of installations must be approved by staff prior to construction and may be moved or removed at a later date if the City deems that such installations are interfering with City operations or are considered a health and safety issue. Any costs related to the removal or displacement of the equipment is to be borne by MetroFi and not by the City. The proposed agreement also mandates construction and faithful performance bonds to protect the City against any loss attributable to MetroFi's performance under the agreement.

The general timetable set by MetroFi to proceed with the installation of their equipment will be primarily contingent on the level of demand for their services by wireless telecommunication carriers but no less than 12 to 14 months for the entire city after a contract is signed with the City. Once an area has been identified, MetroFi will work with City staff to properly secure the required permits and approvals for the type of antenna to be used as well as the location where the equipment will be installed. This process would continue for any additional installations that were identified during future years of the agreement. Finally, as more wireless network have gone into operation there has been some concern with respect to the transmissions causing health problems. Staff has researched this issue and found that the system meets all governmental safety requirements and does not pose a health problem.

MetroFi has recently approached several cities in the Bay Area with the same request, including Foster City, San Jose, and Concord. Some other cities that have contracted with MetroFi include Portland Oregon, Aurora and Naperville IL, as well as Corona and Ontario Ca. Their approved contracts include much of the same key language related to compensation and liability as contained within the City's proposed agreement.

FISCAL IMPACT:

As noted previously, the number of poles to be utilized by MetroFi will be based on current and future demand. However, members of MetroFi's staff have stated in discussions with other cities that no more than 20-30 poles per square mile would need to be utilized for this purpose. Therefore, a maximum total of 1600 boxes may be attached over the 61 square miles within

Therefore, a maximum total of 1600 boxes may be attached over the 61 square miles within Hayward during the term of this agreement. In this case, the revenue realized by the City from the annual pole-rental fee could be about \$58,000 per year.

CONCLUSION:

A draft contract has been reviewed by staff with the major terms reported above. Staff is satisfied with the contract and proposes to present the contract to City Council for approval. It is therefore recommended that the Committee concur in recommending to the Council authorization to execute an agreement with MetroFi.

Prepared by:



Clancy Priest
Deputy/City Manager/Technology Services Director

Approved by:



Jesus Armas
City Manager