



Administrative Report

H.14., File # 22-4184

Meeting Date: 6/7/2022

To: MAYOR AND CITY COUNCIL

From: CHRISTOPHER BENSON, INFORMATION TECH DIRECTOR

TITLE

APPROVE THE NON-STATE ENTITY SERVICE POLICY AND AGREEMENT (NESPA) WITH THE CALIFORNIA DEPARTMENT OF TECHNOLOGY TO SELF-CERTIFY THE CITY OF REDONDO BEACH AS A VALID NON-STATE ENTITY AUTHORIZED TO PARTICIPATE IN CALIFORNIA NETWORK AND TELECOMMUNICATIONS PROGRAM (CALNET) 4 CONTRACTS

APPROVE THE CALNET 4 AUTHORIZATION TO ORDER FORM WITH THE CALIFORNIA DEPARTMENT OF TECHNOLOGY TO ALLOW THE CITY OF REDONDO BEACH TO ORDER DATA NETWORK AND COMMUNICATIONS SERVICES AND PRODUCTS OFF OF CONTRACT IFB-C4DNCS19 CATEGORIES 20 THROUGH 30, FOR THE TERM APRIL 4, 2020 - JUNE 30, 2025

APPROVE CALNET 4 INDIVIDUAL PRICE REDUCTION AGREEMENT AND CALNET 3 INDIVIDUAL PRICE REDUCTION NOTIFICATION WITH MCI COMMUNICATION SERVICES LLC DBA VERIZON BUSINESS SERVICES FOR DATA CIRCUIT TRANSPORT AND PRIVATE WIRELESS GATEWAY SERVICES SPEED INCREASE FROM 50MBPS TO 300MBPS FOR MOBILE PUBLIC SAFETY NETWORK CONNECTIVITY FOR AN ESTIMATED INCREASE OF \$7,960 PER YEAR ON A MONTH-TO-MONTH TERM

EXECUTIVE SUMMARY

Public Safety mobile data computers securely access the City's Computer Aided Dispatch (CAD) and Records Management Systems (RMS) via a 50Mbps point-to-point data circuit directly connected to Verizon Wireless. Although sufficient for the previous CAD/RMS system, additional bandwidth is required for the new, recently implemented CAD/RMS. Included in the data circuit monthly cost is Verizon Private Wireless Gateway services (PWG) which enables the City to extend isolated private ethernet networks into the Verizon Wireless cellular data network.

Application behavior has also changed in that updates take place more frequently and use significantly larger amounts of bandwidth, which can affect performance and increase wait times in a mission critical environment. The data circuit and PWG 300Mbps upgrade will enable faster access to network services and provide for increased functionality and efficiencies for public safety mobile data users.

The original Verizon Master Agreement (governing agreement) is active on a month-to-month basis following the initial July 18, 2017 to July 17, 2020 service term. CALNET 4 NESPA self-certifies the City as a non-state entity authorized to participate in CALNET 4 contracts. The CALNET 3

Authorization to Order Form (ATO), executed in 2014 and required to order CALNET 3 services, is still valid.

BACKGROUND

From 2002 to 2006 the Police Department operated its mobile data computers on a Motorola private radio network at a speed less than 19.2Kbps per second. The data transfer rate of this system was comparable to a dial-up modem with a home computer. Police vehicle computer access was limited to five to twenty miles outside the City boundaries depending on the surrounding topography. The data had to be routed through the Los Angeles County Sheriff's network and required the assistance of L.A. County network technicians to add or delete units.

From 2006 to 2008 mobile data computers were installed into public safety vehicles. The IT Department then migrated the Police and Fire department's mobile network connectivity to a private point-to-point communication line between the City's network and Verizon Wireless. The increased communication bandwidth from 19.2Kbps per second to 1.5Mbps per second allowed officers and firefighters to access maps, photos, the City intranet and other files that provided for greater effectiveness in the field.

In 2010, the service was upgraded to 9.44Mbps. The speed increase enabled public safety staff to travel throughout Southern California (or wherever there is a Verizon Wireless signal), and retain access to the City's CAD/RMS as well as state and federal databases. An invaluable service when Police and Fire have responded to mutual aid requests for fires, other disasters and civil disorder events. This access level, however, became limited in what it could support as technology advanced.

To accommodate bandwidth consuming applications, the service was upgraded to 50Mbps in July, 2017. The need for more bandwidth to support public safety applications is reflective of the increasing reliance on technology by public safety. The new 300Mbps circuit will meet the current bandwidth requirements of the City's new CAD/RMS and allow for the use of future bandwidth-intensive applications.

COORDINATION

The data circuit and PWG speed upgrade was coordinated between IT staff and Verizon. The CALNET 4 NESPA, CALNET 4 ATO form and CALNET 3 and 4 Individual Price Reduction forms were approved as to form by the City Attorney's Office.

FISCAL IMPACT

Due to complexities with the State's transition from CALNET 3 to CALNET 4, Verizon is providing a 300Mbps data circuit at the 250Mbps cost. The \$7,960/year increase over the current 50Mbps data circuit and PWG costs will be funded from the Information Technology Internal Service Fund. Estimated taxes and management fees are included in the monthly cost and could vary month-to-month.

The contracted CALNET 4 price for the 300Mbps data transport circuit results in a cost reduction from \$2,006.19 to \$1,753.23/month. The contracted CALNET 3 price for 300Mbps PWG services results in a cost reduction from \$2,853.60 to \$865.31/month. Without the price reductions the increase in cost for 300Mbps would have been \$35,505/year.

APPROVED BY:

Mike Witzansky, City Manager

ATTACHMENTS

CALNET 4 Non-State Entity Service Policy Agreement

CALNET 4 Authorization to Order Form

CALNET 4 Data Circuit Transport Individual Price Reduction Agreement

CALNET 3 Private Wireless Gateway Individual Price Reduction Notification

CALNET 3 Authorization to Order Form (active)

Verizon Master Service Order Form to U.S. Services Agreement

Verizon Certificate of Insurance through June 30, 2022