



November 20, 2012

HONORABLE MAYOR AND CITY COUNCIL
City of Long Beach
California**RECOMMENDATION:**

Adopt the attached resolution authorizing the City Manager to execute all necessary documents with Allen Instruments and Supplies for the sole source purchase of eight Trimble NetR9 Ti-1 Reference Stations with Zephyr Geodetic 2 Antennas, hardware, and related software for subsidence monitoring activity at a cost of \$190,966, plus \$25,000 for any equipment repair, if necessary and if funds are available, over the next five years. (Citywide)

DISCUSSION

The Long Beach Gas and Oil Department (LBGO) monitors surface elevations for oil field-related subsidence control through 13 permanent, City-owned Global Positioning System (GPS) base station receivers that collect data in real time. This information is augmented by the semi-annual mobile surveying of 240 GPS benchmarks, collected from five portable monitoring receivers. In 2009, LBGO conducted a technical evaluation of its Real-Time Network (RTN) and determined that the RTN software and equipment was in need of replacement. The existing software was incapable of being upgraded and the receivers were beyond their intended service life. As a result, it was determined that certain system hardware and software upgrades were required. These upgrades would take place in three phases.

- . Phase 1: Software replacement
- . Phase 2: Purchase of portable GPS receivers
- . Phase 3: GPS base station receiver replacement

Phase 1 was completed on July 21, 2009, when the City Council approved Geodetic Inc., as the company to provide the GPS RTN Software. Phase 2 was completed on June 19, 2011 with the purchase of five portable Trimble R8 GNSS Receivers, hardware, and related software from Allen Instruments and Supplies. The first part of Phase 3 was completed in June 2011 with the purchase of the five permanent Trimble NetR9 receivers.

HONORABLE MAYOR AND CITY COUNCIL

November 20, 2012

Page 2

LBGO would like to commence the final portion of Phase 3 with the purchase of eight Trimble NetR9 Ti-1 Reference Stations with Zephyr Geodetic 2 Antennas and associated hardware and software from Allen Instruments and Supplies, plus \$25,000 in available funds for any equipment repair needed for the next five years.

Allen Instruments and Supplies, located in Anaheim, CA, is the only authorized distributor in Southern California to sell and service the full line of Trimble Survey products and is the only local supplier of Trimble receivers that are compatible with the monitoring software.

This matter was reviewed by Deputy City Attorney Richard Anthony on October 4, 2012, and by Budget Management Officer Victoria Bell on October 10, 2012.

TIMING CONSIDERATIONS

City Council action is requested on November 20, 2012, to ensure timely replacement of the GPS base stations, prior to the next subsidence survey scheduled for April 2013.

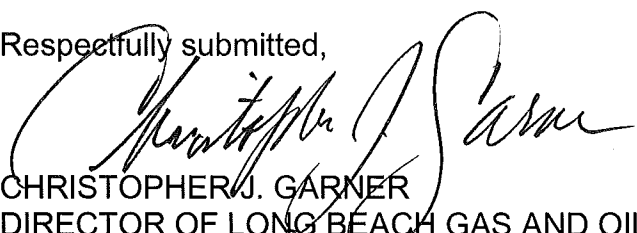
FISCAL IMPACT

The estimated cost of the equipment purchase with Allen Instruments and Supplies is \$190,966, plus an allowance of \$25,000 over the next five years for any equipment repair. The funding is budgeted in the Tidelands Oil Revenue Fund (NX 420) in the Long Beach Gas and Oil Department (LBGO). The requested action will not have an impact on jobs.

SUGGESTED ACTION:

Approve recommendation.

Respectfully submitted,



CHRISTOPHER J. GARNER
DIRECTOR OF LONG BEACH GAS AND OIL

CJG:CAB:LAF

Attachment

APPROVED:



PATRICK H. WEST
CITY MANAGER

OFFICE OF THE CITY ATTORNEY
ROBERT E. SHANNON, City Attorney
333 West Ocean Boulevard, 11th Floor
Long Beach, CA 90802-4664

1 RESOLUTION NO.
2

3 A RESOLUTION OF THE CITY COUNCIL OF THE
4 CITY OF LONG BEACH AUTHORIZING THE CITY
5 MANAGER TO EXECUTE A CONTRACT WITH ALLEN
6 INSTRUMENTS & SUPPLIES WITHOUT ADVERTISING
7 FOR BIDS, FOR THE PURCHASE OF EIGHT TRIMBLE
8 NETR9 TI-1 REFERENCE STATIONS WITH ZEPHYR
9 GEODETIC 2 ANTENNAS, HARDWARE AND RELATED
10 SOFTWARE, IN AN AMOUNT NOT TO EXCEED \$190,966,
11 PLUS \$25,000 FOR EQUIPMENT REPAIR
12

13 WHEREAS, the Long Beach Gas and Oil Department ("LBGO") monitors
14 surface elevations for oil field related subsidence control through twelve permanent, City-
15 owned Global Positioning System ("GPS") base station receivers that collect data in real
16 time; and

17 WHEREAS, this information is augmented by the semi-annual mobile
18 surveying of 240 GPS benchmarks, collected from five portable monitoring receivers; and

19 WHEREAS, in 2009, LBGO conducted a technical evaluation of its Real-
20 Time Network and determined that the software and equipment were in need of repair;
21 and

22 WHEREAS, as a result, it was determined that certain system hardware
23 and software upgrades were required; and

24 WHEREAS, these upgrades would take place in three phases; and

25 WHEREAS, Phase 1 (software replacement) and Phase 2 (purchase of
26 portable GPS receivers) have been completed; and

27 WHEREAS, LBGO would like to begin Phase 3 (GPS base station receiver
28 placement) with the purchase of eight Trimble NetR9 Ti-1 Reference Stations with Zephyr

1 Geodetic 2 Antennas and associated hardware and software; and

2 WHEREAS, Allen Instruments & Supplies is the sole authorized distributor
3 in southern California to sell and service the full line of Trimble survey products; and

4 WHEREAS, as a result, no useful purpose would be served by advertising
5 for bids and to do so would constitute an idle and useless act and an unnecessary
6 expenditure of public funds because Allen Instruments & Supplies is the only corporation,
7 firm or individual that could or would bid for the furnishing of these GPS base station
8 receivers, hardware and related software to the City;

9 NOW, THEREFORE, the City Council of the City of Long Beach resolves as
10 follows:

11 Section 1. The City Manager is hereby authorized to enter a contract
12 with Allen Instruments & Supplies without advertising for bids for the purchase of eight
13 Trimble NetR9 Ti-1 Reference Stations with Zephyr Geodetic 2 Antennas, hardware and
14 related software in an amount not to exceed \$190,966, including tax, plus \$25,000 for
15 any equipment repair, if necessary and if funds are available.

16 Section 2. This resolution shall take effect immediately upon its adoption
17 by the City Council, and the City Clerk shall certify the vote adopting this resolution.

18 ///

19 ///

20 ///

21 ///

22 ///

23 ///

24 ///

25 ///

26 ///

27 ///

28 ///

1 I hereby certify that the foregoing resolution was adopted by the City
2 Council of the City of Long Beach at its meeting of _____, 20__ by the
3 following vote:

4
5 Ayes: Councilmembers: _____
6 _____
7 _____
8 _____

9 Noes: Councilmembers: _____
10 _____

11 Absent: Councilmembers: _____
12 _____

13
14
15 _____
16 City Clerk

OFFICE OF THE CITY ATTORNEY
ROBERT E. SHANNON, City Attorney
333 West Ocean Boulevard, 11th Floor
Long Beach, CA 90802-4664

17
18
19
20
21
22
23
24
25
26
27
28