

ORDINANCE NO. 188074

*Authorize the purchase of Cisco optical equipment to upgrade existing data network equipment to support communication between different City locations in an amount not to exceed \$911,000 (Ordinance)

The City of Portland ordains:

Section 1. The Council finds:

1. The Bureau of Technology Services needs to purchase new Cisco optical equipment as part of an upgrade of the existing optical network equipment that supports the City's communication between different City locations. This upgrade is part of a multi-year capital improvement project, and is required in order to provide the capacity to meet current and future Integrated Regional Network Enterprise (IRNE) and wide area network bandwidth requirements and maintain reliability, functionality, and vendor support.
2. Due to the increase in demand for applications and resources hosted on the Internet, the current City network is running near capacity, and the older technology currently being used will soon reach "end of life" from the product vendor. The upgrade will increase the City's available bandwidth between facilities, and allow for additional growth in the future. The IRNE 10 Gigabit ring is a Metro Ethernet-only infrastructure with a shared 10 Gigabit per second backbone using Ethernet layer 2 virtual local area networking (LAN) technology. Upgrading the network to support Dense Wavelength Division Multiplexing (DWDM) technology will provide up to 40 separate wavelengths that can be utilized on the existing fibers to support a wide range of services and bandwidths. The existing 10 Gigabit service will utilize one wavelength out of forty, leaving 39 wavelengths available to support other services for both City and external customer use. These could include both point-to-point network services and storage area networks (SAN) to SAN Fiber Channel connectivity. The IRNE DWDM network will be capable of providing many types of high speed network services for data center to data center connectivity over a single pair of fibers utilizing different wavelengths. This project is in support of the new data center facility and potentially part of the Portland Building renovation project.
3. The Bureau of Technology Services seeks to purchase the Cisco optical equipment for an amount not to exceed \$911,000.00 using a Permissive Cooperative Procurement under PCC 5.33.160 through the State of Oregon's Participating Addendum No. 4723 with Cisco Systems, Inc.
4. Funds are available in the FY 2016-17 budget for this purchase.

NOW, THEREFORE, the Council directs:

- a. That the Chief Procurement Officer is authorized to execute a contract in accordance with the State of Oregon's Participating Addendum No. 4723 for optical network equipment for an amount not to exceed \$911,000.00.

Section 2. The Council declares that an emergency exists because the City needs to purchase the equipment under the currently valid quoted price from our vendor. Therefore, this ordinance shall be in full force and effect from and after its passage by the Council.

Passed by the Council: NOV 09 2016

Commissioner: Mayor Charlie Hales

Prepared by: Christine Moody

Date prepared: October 26, 2016

Mary Hull Caballero

Auditor of the City of Portland

By

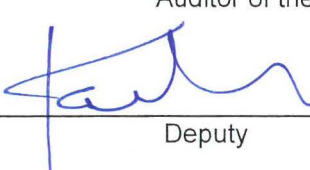
A handwritten signature in blue ink, appearing to read "Susan Parsons", is written over the word "By".

Deputy

1236

Agenda No. **188074**
ORDINANCE NO.
 Title

*Authorize the purchase of Cisco optical equipment in an amount not to exceed \$911,000.00. (Ordinance)
to upgrade existing data network equipment to support communication between different City locations

INTRODUCED BY Commissioner/Auditor: Mayor Hales	CLERK USE: DATE FILED NOV 01 2016
COMMISSIONER APPROVAL Mayor—Finance and Administration - Hales	Mary Hull Caballero Auditor of the City of Portland
Position 1/Utilities - Fritz	By: 
Position 2/Works - Fish	Deputy
Position 3/Affairs - Saltzman	ACTION TAKEN:
Position 4/Safety - Novick	
BUREAU APPROVAL Bureau: OMF Bureau of Revenue and Financial Services OMF CAO: Fred Miller Bureau Head: Ken Rust	
Prepared by: Estelle Bollinger Date Prepared: Oct 26, 2016	
Impact Statement Completed <input checked="" type="checkbox"/> Amends Budget <input type="checkbox"/>	
Portland Policy Document If "Yes" requires City Policy paragraph stated in document. Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
City Auditor Office Approval: required for Code Ordinances	
City Attorney Approval: required for contract, code, easement, franchise, comp plan, charter	
Council Meeting Date Nov 9, 2016	

AGENDA
TIME CERTAIN <input type="checkbox"/> Start time: _____ Total amount of time needed: _____ (for presentation, testimony and discussion)
CONSENT <input checked="" type="checkbox"/> <i>Pull</i>
REGULAR <input type="checkbox"/> Total amount of time needed: _____ (for presentation, testimony and discussion)

FOUR-FIFTHS AGENDA	COMMISSIONERS VOTED AS FOLLOWS:	
	YEAS	NAYS
1. Fritz	<input checked="" type="checkbox"/>	
2. Fish	<input checked="" type="checkbox"/>	
3. Saltzman	<input checked="" type="checkbox"/>	
4. Novick	<input checked="" type="checkbox"/>	
Hales	<input checked="" type="checkbox"/>	