Community Development Committee
October 7, 2014 Scheduled Meeting

City of Bonney Lake Justice and Municipal Center, 3rd Floor Conference Room.

The meeting was called to order at 4:00 P.M.

Roll Call: Attendees:
Chairperson Donn Lewis  
Public Works Director, Dan Grigsby
Councilmember Randy McKibbin  
Community Development Director, John Vodopich
Councilmember Jim Rackley  
Asst. Public Works Director, Charlie Simpson
Development Review Engineer, Cole Elliott

I. Discussion/Presentation:
   1.

II. New Business/Action Items:
   1. Approval of September 16, 2014 CDC Meeting Notes.
   2. AB14-131, Ordinance 14-131, Amending Title 3.68, 13.04, 13.12 And 17.20 Of The
      Bonney Lake Municipal Code, Relating To Civil Infrastructure Permits And Fees
   3. AB14-136, Resolution 2424, Sole Source purchase of parts for Lift Station #17-Whitney
      Equipment Company Inc.

III. Actions Under Development by Staff:
   1. Ordinance – Residential and Commercial Frontage Maintenance Responsibilities in the City
      Right of Way.
   2. Establish City White River Basin Water Rights Using Cascade Water Alliance Water
      Rights.
   3. Street Light Conversion to LED fixtures/lamps.

This CDC meeting was adjourned at P.M.
Community Development Committee
September 16, 2014 Scheduled Meeting

City of Bonney Lake Justice and Municipal Center, 3rd Floor Conference Room.

The meeting was called to order at 4:00 P.M.

Roll Call:
Chairperson Donn Lewis
Councilmember Randy McKibbin
Councilmember Jim Rackley

Attendees:
Public Works Director, Dan Grigsby
Community Development Director, John Vodopich
Public Works Utility Engineer, Doug Budzynski
Utilities Supervisor, Dave Cihak
City Attorney, Kathleen Haggard

I. Discussion/Presentation:
1. Public Works Staff will provide an overview of the SCADA upgrade project. Doug Budzynski presented an overview of the SCADA system and planned upgrades to that system using the attached handout. Doug and Dave Cihak answered various questions from the CDC members. This multi-year upgrade is spread over a seven-year period (2012-2017), in order to complete various project phases including the communications survey, planning, multiple design, and multiple construction contracts. Total Project Cost ~ $1.5 million.

Equipment and software installed will be compatible with the new Public Works Center (PWC) sites on 96th Street. During construction of the 217th Avenue PWC facility, a radio repeater may need to be installed in order to retain radio connectivity.

II. New Business/Action Items:
1. Approval of September 2, 2014 CDC Meeting Notes. Meeting Notes were approved as written.
2. AB14-124, Resolution 2417, Amendment to the Professional Services Agreement with Transpo Group for the SR 410/VMD Intersection Improvements design contract. This amendment modifies the design in order to add construction of underground conduit in order to place existing utilities underground within the limits of this project. CDC moved this action forward to the 23 September 2014 City Council meeting, on the consent agenda.
3. AB14-125, Resolution 2418, Agreement with Puget Sound Energy for the SR410 & Veterans Memorial Drive Intersection Improvement Project for Underground Design and Construction. PSE will pay 60% of the cost for design and construction to place their utility lines underground. This resolution addresses the estimated cost for the City’s 40% share of the design and construction costs to make these improvements. CDC moved this action forward to the 23 September 2014 City Council meeting, on the consent agenda.
4. AB14-126, Ordinance D-14-126, Condemnation of Shepard-Morris Property. Director Grigsby provided a brief review of this projects history and indicated that the property owners had been non-responsive to the City’s consultant who attempted to purchase a utility easement across this property. City Attorney Haggard answered various questions concerning the process of acquiring this sewer easement utilizing eminent domain authority granted by RCW. Kathleen indicated that while City Council had previously authorized this action, this ordinance was being provided to show that City staff had pursued due diligence in trying to obtain a purchase agreement with the property owner, as the City Council had requested, and that it was now time to pursue condemnation in order to acquire this easement. While the City may still be able to negotiate a purchase agreement for this easement, this condemnation needs to move forward in order to reduce future delays to construction of this sewer line. CDC moved this action forward to the 14 October 2014 City Council meeting, not on the consent agenda.

III. Actions Under Development by Staff:
   1. Ordinance – Residential and Commercial Frontage Maintenance Responsibilities in the City Right of Way.
   3. Street Light Conversion to LED fixtures/lamps.

This CDC meeting was adjourned at 5:04 P.M.

Attachment:
   1. SCADA System Upgrade Presentation
Supervisory Control and Data Acquisition

City of Bonney Lake
SCADA Component Overview

- **Pages, Laptops**
  - Computers
  - Tablets
  - Phones

- **P/W Maintenance Yard**
  - HMI Workstation
  - Data Workstation
  - Central Computer

- **Site: Lift Stations, Pump Stations, Tanks**
  - PLC
  - Operator Interface
  - PAC

- **Control Equipment**
  - Pressure
  - Level and Flow

**Remote On-Call**

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Communications

HMI - Human Machine Interface
PAC - Programmable Automation Controller
PLC - Programmable Logic Controller

(aging but still reliable)
- Allen Bradley's SLK 50
- Autocoll (obsolete)
Types in use:

SCADA
Server
Data Workstation

Public Works Yard

Wonderware Software

Fiber optic line
- Verizon Wireless Data Comm
- Network Radio System
- Century Link DSL Phone Line
- Individual Radio System
- Analog Direct Phone Line
Types:

Types Proposed:
- Allen Bradley's Compact Logix

Or

PAC

Operator Interface
Site Facilities
<table>
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<tr>
<th>Water Sites</th>
<th>Sewer Sites</th>
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<tbody>
<tr>
<td>Main Control Panel</td>
<td>2nd Monitor Computer</td>
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<tr>
<td>HMI Computer</td>
<td>Pondoraosa Tank Site</td>
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<td>23 Separate Lift Stations</td>
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<td>Victor Falls Pump Station Site</td>
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<td>Grandier Spritns Well Site</td>
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<td>Grandier Spritns Treatment Site</td>
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<td>Ball Park Well Site</td>
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<td>Peaking Storage Site</td>
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<td>Tacoma Point Wells Site</td>
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<tr>
<td>Tacoma Point Tank Site</td>
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<tr>
<td>Lakervde Tank and Pump Station Site</td>
<td></td>
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<td>Pinnacle Estates Pump Station Site</td>
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<tr>
<td>Panorama Pump Station Site</td>
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</table>

**Bonney Lake's SCADA Sites**
- Main control panel is not setup for expansion.
- Current central HMI computer is old.
- Sensitive the surroundings.
- Current radio equipment is older technology and it has been shown that they can be
- Lease line repairman are becoming fewer in the knowledge of analog systems.
- Autocon boards are obsolete and becoming harder to find.
- During work schedule and after hours.
- Communication failures result in alarms call-outs. This requires man hours to respond.

### Resulting Problems

- Failing analog leased lines (direct connect phone line).
- Communication failures come from current radio system.
- Communication failures coming from old proprietary control boards (Autocon boards).

### Communication Issues

Current SCADA Issues and Problems
Transition:
- Upgrade current HMI computer and expand Main Control Panel to allow upgrade system.
- Replace older radio equipment technology with a single type current technology radio (e.g., DSL modem).
- Replace analog lease line communications with current technology communications.
- Replace out-dated Autocad with current technology industry standard PLCs.

Goals and Solutions

- Reduce after-hours responses from staff.
- Increase reliability of communications between central computer and sites.
- Reduce "Communications Fail" call-outs.
# Preliminary Cost Estimate

## Master Control Panel

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Quantity</th>
<th>Unit Price</th>
<th>Total Price</th>
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<tr>
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## Water Facility Upgrades

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<td>6</td>
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## New Radio System

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**Total of Cost Estimate**

- **Subtotal**: $157,620
- **Taxable Subtotal**: $121,620
- **Sales Tax @ 8.8%**: $10,702.56
- **Indirect Costs (Engineering)**: $578,500
- **Total Cost Estimate**: $236,120

## Lift Station Control Panel PLC and Operator Interface Software

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## Lift Station Control Panels

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**Total of Cost Estimate**

- **Subtotal**: $33,000
- **Taxable Subtotal**: $30,000
- **Sales Tax @ 8.8%**: $2,640.00
- **Indirect Costs @ 25%**: $8,250.00
- **Total Cost Estimate**: $43,890

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**Total Water Fund Expenditures:** $30,495,521

**Total Sewer Fund Expenditures:** $31,872,722

**Total:** $62,368,243

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**Phase 1 - Water Source Study:**

- Construction Services (Program and Testing)
- Total: $1,395,000

**Phase 2 - Sewer Lift Station Upgrades:**

- Construction Services (Program and Testing)
- Total: $1,986,722

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**SCADA SYSTEM UPDATE PROGRAM**

Updated: 9/4/2014
# City of Bonney Lake
Preliminary SCADA System Upgrade Estimates

## Preliminary Cost Estimate

<table>
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<tr>
<th>Item</th>
<th>Description</th>
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**Mobilization/Demobilization (5%)**

$7,554

**SUBTOTAL**

$204,635

**Taxable SUBTOTAL**

$151,081

**Sales Tax @ 8.8%**

$13,295.15

**Total of Cost Estimates**

$217,530

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Phase 1

Construction $305,710

LS -2 $43,890

LS -21 $43,890

Agenda Page 17 of 32
City of Bonney Lake, Washington
City Council Agenda Bill (AB)

Department/Staff Contact: CD / Cole Elliott

Meeting/Workshop Date: 14 October 2014

Agenda Bill Number: AB14-131

Agenda Item Type: Ordinance

Ordinance/Resolution Number: D14-131

Councilmember Sponsor: Donn Lewis

Agenda Subject: Amending BLMC 3.68, 13.04, 13.12 and 17.20 fees

Full Title/Motion: An Ordinance Of The City Council Of The City Of Bonney Lake, Pierce County, Washington, Amending Title 3.68, 13.04, 13.12 And 17.20 Of The Bonney Lake Municipal Code, Relating To Civil Infrastructure Permits And Fees.

Administrative Recommendation:

Background Summary: In 2009 the City of Bonney Lake instituted fixed fees for review and permitting. Since that time none of the fees have been adjusted based upon actual staff time required to review and process these permits. These are the recommended modifications to the fee structure to assure that development pays for itself.

Attachments: none

BUDGET INFORMATION

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<th>Budget Amount</th>
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Budget Explanation:

COMMITTEE, BOARD & COMMISSION REVIEW

Council Committee Review: Community Development Date: 7 October 2014

Approvals:

Chair/Councilmember Donn Lewis
Councilmember James Rackley
Councilmember Randy McKibbin

Forward to:

Consent Agenda: Yes No

Commission/Board Review:

Hearing Examiner Review:

COUNCIL ACTION

Workshop Date(s):
Meeting Date(s):
Public Hearing Date(s):
Tabled to Date:

APPROVALS

Director: John Vodopich
Mayor: Neil Johnson Jr.

Date Reviewed by City Attorney: (if applicable):
ORDINANCE NO. D14-131

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF BONNEY LAKE, PIERCE COUNTY, WASHINGTON, AMENDING TITLE 3.68, 13.04, 13.12 AND 17.20 OF THE BONNEY LAKE MUNICIPAL CODE, RELATING TO CIVIL INFRASTRUCTURE PERMITS AND FEES.

WHEREAS, work on the permits are required for planning and civil improvements both inside and outside the city limits of Bonney Lake; and,

WHEREAS, the City adopted a fixed review and permit structure in 2009; and,

WHEREAS, these fees have not been adjusted since their inception; and,

WHEREAS, development should pay for development costs;

NOW THEREFORE, THE CITY COUNCIL OF THE CITY OF BONNEY LAKE, WASHINGTON, DO ORDAIN AS FOLLOWS:

Section 1. BLMC 13.12.100 is hereby amended to read as follows:

G. Sewer Availability Certificate. The following fee schedule applies to complete sewer availability forms for submission to Pierce County or other entities or jurisdictions.

1. No modeling or analysis required $100.00

2. Sewer Flow modeling or analysis $700.00

Section 2. BLMC 13.04.091 is hereby amended to read as follows:

E. Fire Flow and Water Availability Certificate Completion Charge. The following fee schedule applies to complete fire flow and water availability forms for submission to Pierce County or other entities or jurisdictions:

1. No testing required, all info available at City Hall $100.00

2. Testing required, info not available at City Hall $150.00

3. Fire flow analysis, if required $700.00

Section 3. BLMC 3.68.010 is hereby amended to read as follows:
3.68.010 Land use fees.

There are hereby established various fees to defray the costs incurred in administering various land use permits which shall be paid by the applicants to the city, based upon the type of land use application. Fees for the following land use applications shall be as set forth in the schedule below. A copy of the fee schedule shall at all times be maintained in the office of the city clerk and displayed in the permit center of the department of planning and community development.

<table>
<thead>
<tr>
<th>Type of Permit</th>
<th>Fee</th>
</tr>
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<tbody>
<tr>
<td>A. ACCESSORY DWELLING UNITS</td>
<td>$500.00</td>
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<tr>
<td>B. AMENDMENTS</td>
<td></td>
</tr>
<tr>
<td>1. Comprehensive Plan Amendment</td>
<td></td>
</tr>
<tr>
<td>a. Less Than One Acre</td>
<td>$1,500</td>
</tr>
<tr>
<td>b. One to Three Acres</td>
<td>$3,000</td>
</tr>
<tr>
<td>c. More Than Three Acres</td>
<td>$500.00</td>
</tr>
<tr>
<td>2. Minor Change to a Permit</td>
<td>$300.00</td>
</tr>
<tr>
<td>C. ANNEXATION PETITION</td>
<td>$400.00</td>
</tr>
<tr>
<td>D. APPEALS</td>
<td></td>
</tr>
<tr>
<td>1. Appeal of Administrative Decision</td>
<td>$1,000</td>
</tr>
<tr>
<td>2. Appeal of Hearing Examiner’s Decision</td>
<td>$3,000</td>
</tr>
<tr>
<td>E. SEPA ENVIRONMENTAL REVIEW</td>
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</tr>
<tr>
<td>1. Environmental Checklist Review</td>
<td>$750.00</td>
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<tr>
<td>2. Environmental Impact Statement</td>
<td>$1,000 plus cost of EIS. If the mayor authorizes city staff or a city consultant to prepare the EIS, the director(s) shall estimate the cost, which amount the applicant shall pay as a deposit plus the $1,000 processing and review fee. After the EIS is complete, the city shall bill the applicant (or</td>
</tr>
</tbody>
</table>
remit as the case may be) for the city’s total EIS preparation cost, including overhead, minus the deposit.

3. Addendum Review $250.00

F. ENVIRONMENTAL AND INFRASTRUCTURE REVIEW AND INSPECTION

1. City Processing and Review of Critical Area Reports (Wetlands, Hydrogeologic, Geologic Hazard, Habitat Conservation, Etc.) $500.00 per report for city processing and review. The applicant shall obtain the report from a qualified professional per BLMC 16.20.090(A).

2. City Review of Traffic Impact Analysis (TIA)
   a. Level I – Scoping $500.00 for city processing and review.
   b. Level II – Analysis $1,500 for city processing and review of up to five intersections impacted by a project. For all additional intersections required to be analyzed beyond five, the city engineer shall estimate the additional review fee which shall be paid as a deposit, billed at $100.00 per hour. The applicant shall obtain the TIA from a qualified professional transportation planner or engineer.

3. a. Water Booster Pump Station
   i. Engineering review $8,000
   ii. Permit $500.00
   b. Sewer Lift Station
   i. Engineering review $8,000
   ii. Permit $500.00
   c. Civil Infrastructure Engineering Review (Water, Sewer, Stormwater, Street)
   i. Short plat 2 – 3 lots $1,500
      A. Outside city water or sewer only $500.00
   ii. Short plat 4 – 9 lots $3,500
      A. Outside city water or sewer only $2,250
iii. Long plat $4,000 plus $40.00 per lot
   A. Outside city water or sewer only $2,000 plus $40.00 per lot
iv. Commercial with fire flows up to 2,500 gpm $4,500
   A. Outside city water only $3,000
v. Commercial with fire flows greater than 2,500 gpm $12,000
   A. Outside city water only $9,000
vi. Civil infrastructure permit $500.00
vii. Connection to public systems (incl review, permit and inspection) $250.00
   A. Outside city of Bonney Lake $500.00
viii. Grease interceptors (includes review, permit and inspection) $250.00
   A. Outside city of Bonney Lake $500.00
ix. Retrofit underground automatic fire extinguishing systems (includes review, permit and inspection) $250.00
   A. Outside City of Bonney Lake $500.00
x. Traffic Signal Light
   A. Engineering Review $8,000
   B. Permit $500.00
d. Resubmittals
   i. First resubmittal $100.00
   ii. Second resubmittal $200.00
   iii. Third and subsequent resubmittal $500.00
e. Inspection Fees Inspection fees shall be three percent of infrastructure development costs, including lift stations and booster pumps. The public works director is authorized to establish reasonable unit costs for various water, sewer, stormwater, street, retaining wall, and miscellaneous improvement components upon which the inspection fee shall be based. Said inspection fee schedule shall be periodically reviewed and updated.
   4. Sensitive Area Permit $750.00
   5. Critical Areas Variance $1,500
G. HEARING EXAMINER’S COSTS NOT OTHERWISE SPECIFIED $100.00 plus actual hearing examiner costs

H. LAND DISTURBANCE

1. Clearing, Vegetation and Tree Removal $250.00
2. Grading, Cut and Fill
   a. 0 – 249 cubic yards $0.00
      i. Within Shoreline $500.00
   b. 250 – 999 cubic yards $1,500
   c. 1,000 to 49,999 cubic yards $2,500
   d. 50,000 cubic yards or more $2,500 plus the cost of any special monitoring and inspection. The city engineer shall estimate the preliminary monitoring and inspection fee, calculated at $100.00 per hour, which shall be paid in advance as a deposit against the final total fee.

I. PRE-APPLICATION MEETINGS

1. First Meeting $200.00
2. Subsequent Meetings $400.00

J. DESIGN REVIEW PROCESSING $400.00

K. RIGHT-OF-WAY VACATION $1,400

L. SHORELINES MASTER PROGRAM

1. Shoreline Substantial Development Permit $2,200
2. Shoreline Conditional Use Permit $3,000
3. Shoreline Variance $3,000
4. Shoreline Exemption $200
5. Shoreline Exempt w/o SEPA $50.00
M. SITE PLAN REVIEW
   1. Commercial and Multifamily
      a. Type 1 Permit $1,000
      b. Type 3 Permit $5,000

N. SIGNS
   1. Sign Permit $150.00
   2. Temporary Sign $50.00

O. SUBDIVISIONS
   1. Boundary Line Adjustments $1,450
   2. Lot Combinations $250.00
   3. Short Plat (2 to 9 Lots) $1,200 plus $50.00 per lot
   4. Long Plat (10 or More Lots)
      a. Preliminary Plat $2,000 plus $80.00 per lot
      b. Final Plat $1,500 plus $80.00 per lot
   5. Plat Alteration or Vacation $1,500

P. APPLICATION/PERMIT TIME EXTENSIONS $500.00

Q. ZONING
   1. Conditional Use Permit $1,500
   2. Temporary Use Permit
      a. Event $100.00
      b. Business $200.00
      c. Residence/Travel Trailer $250.00
   3. Variance
a. Single-Family Residence $250.00 plus hearing examiner costs

b. All Other Variances $500.00 plus hearing examiner costs

4. Zone Reclassification/Map Amendment $1,500 plus $100.00 per acre

5. Zoning Code Interpretation $200.00

R. WIRELESS COMMUNICATION FACILITIES

1. Remodel & Co-location $500.00

2. New Facility Installation $2,000

(Ord. 1432 § 2, 2012; Ord. 1325 § 1, 2009; Ord. 1263 § 1, 2007; Ord. 1243 § 1, 2007; Ord. 1163 § 1, 2005; Ord. 1131 § 3, 2005; Ord. 1063 § 2, 2004; Ord. 789 § 1, 1999).

Section 4. BLMC 17.20.090 is hereby amended to read as follows:

17.20.090 Lots.

A. No property may be so reduced in area that it would be smaller than the minimum lot size as per the zoning code applicable thereto, with the exception of tracts dedicated or restricted by covenant for open space, park, recreational or other community use, so designated as tracts without lot numbers.

B. At intersections of streets the lot abutting a street corner shall be rounded by a curve with a minimum radius of:

1. Twenty-five feet for arterial, collector and local streets;
2. Ten feet for cul-de-sac streets.

C. Sidelines of lots shall be at right angles or radial to the abutting streets.

D. Where possible, lots shall be designed to access from local streets, rather than collector or arterial streets.

E. Where flag lots, pipestem lots or panhandle lots are created, the stem portion of the lot shall be a minimum of 20 feet wide and no longer than 150 feet long. (Ord. 1131 § 3, 2005; Ord. 766 § 2, 1998).
Section 5. This Ordinance shall take effect and be in force thirty (30) days after passage, approval, and publication as required by law.

PASSED by the City Council and approved by the Mayor this 14th day of October, 2014

_________________________________________
Neil Johnson, Jr., Mayor

ATTEST:

_________________________________________
Harwood T. Edvalson, City Clerk, MMC

APPROVED AS TO FORM:

_________________________________________
Kathleen Haggard, City Attorney
City of Bonney Lake, Washington
City Council Agenda Bill (AB)

Department/Staff Contact: PW / Charles Simpson
Meeting/Workshop Date: 14 October 2014
Agenda Bill Number: AB14-136

Agenda Item Type: Resolution
Ordinance/Resolution Number: 2424
Councilmember Sponsor: DONN LEWIS

Agenda Subject: Purchase Check Valve, volutes, and impellers for Lift Station #17

Full Title/Motion: A Resolution Of The City Council Of The City Of Bonney Lake, Pierce County, Washington, Authorizing The Purchase From Whitney Equipment Company Of Check Valves, Volutes And Impellers For Sewer Lift Station #17.

Administrative Recommendation: Recommend Approval

Background Summary: This sole source purchase from Whitney Equipment Company, will replace three obsolete 10" check valves, two volutes, and two impellers. There are four check ball assemblies and housings inside Lift Station #17 that prevent backflow from the force main and water hammer from occurring. The housings and the check balls have a very tight tolerance. The balls have a rubberized coating and a specific weight. The existing housings and balls are obsolete (the housings have not been manufactured for over 20 years) and the coatings on the balls are failing. The new balls are lighter and require a new housing. We currently experience a life expectancy of 7-10 years before the ball needs replacement. Due to the tight tolerances, it is not possible to have the current ones recoated. We replaced one ball and housing approximately 5 years ago due to the housing failing (we attempted to repair the housing but it continued to fail necessitating replacement). We have maintained an inventory of spare check balls for replacement purposes, but have depleted that inventory. • A defect in the original factory castings has resulted in a cavitation issue that damages the volute and the impeller. Two volutes and impellers have been replaced. This only occurred after a Flygt engineer suggested coating the inside of the volutes with a porcelain coating. This coating has not been effective in preventing failure of the volutes, therefore, the remaining volutes and impellers need to be replaced. A air-shipping charge of $3600 will also be paid to assure a timely arrival for the immediate replacement.

Attachments: Resolution 2424, Sole source justification, Whitney quote for purchase

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<th>Required Expenditure</th>
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<tr>
<td>$50,000</td>
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<td>$16,000</td>
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<td>$5,150.53</td>
<td>$10,849.47</td>
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Budget Explanation: Budget funds will be taken from Sewer Maintenance Budget line items 402.000.035.535.50.48.03 R&M Replacement & Unscheduled Projects Operating Capital - $50,000 402.000.035.535.50.48.06 Sewer Lift Stations Improvements Operating Capital - $16,000

Revenue Source: O&M Rates

COMMITTEE, BOARD & COMMISSION REVIEW

Council Committee Review: Community Development
Date: 7 October 2014

Approvals:
Chair/Councilmember DONN LEWIS
Councilmember RANDY MCKIBBIN
Councilmember JIM RACKLEY

Forward to: Consent Agenda: □ Yes □ No

COUNCIL ACTION
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<th>Public Hearing Date(s):</th>
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<tr>
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### APPROVALS

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<th>Director:</th>
<th>Mayor:</th>
<th>Date Reviewed</th>
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<tr>
<td>Dan Grigsby, P.E.</td>
<td>Neil Johnson, Jr.</td>
<td>by City Attorney:</td>
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<td></td>
<td></td>
<td>(if applicable):</td>
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</tbody>
</table>

*Agenda Page 28 of 32*
RESOLUTION NO. 2424

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF BONNEY LAKE, PIERCE COUNTY, WASHINGTON, AUTHORIZING THE PURCHASE OF FLYGT EQUIPMENT FOR LIFT STATION #17 WITH WHITNEY EQUIPMENT COMPANY INC.

WHEREAS, the City has determined that Whitney Equipment Company Inc. is the Sole Source vendor, as they are the only supplier of Flygt equipment in Washington State. The City of Bonney Lake has chosen to outfit all of its sewer lift stations with Flygt equipment since 1987. This equipment purchase is to replace failing check ball valves that are obsolete, volutes and impellers that are also failing at our main sewer lift station #17; and,

WHEREAS, RCW 39.04.280(1), (a) and (b) authorize the City to waive competitive bidding requirements for purchases that are clearly limited to a single source of supply and purchases involving special facilities or market conditions;

NOW, THEREFORE, BE IT RESOLVED that the City of Bonney lake Council does hereby authorize purchase of this equipment in the amount of $48,074.18.

PASSED by the City Council this 14th day of October, 2014.

____________________________
Neil Johnson Jr., Mayor

ATTEST:

____________________________
Harwood T. Edvalson, MMC
City Clerk

APPROVED AS TO FORM:

____________________________
Kathleen Haggard, City Attorney
October 1, 2014

To: Don Morrison – City Administrator  
    Dan Grigsby – Public Works Director  
From: Charles Simpson – Assistant Public Works Director  
Re: Sole source – Whitney Equipment Co.


Scope of Work:
This sole source purchase from Whitney Equipment Company, will replace three obsolete 10" check valves, two volutes, and two impellers. Currently we have one check valve that is not operational and one ball in a check valve that does not seal.

- There are four check ball assemblies and housings inside Lift Station #17 that prevent backflow from the force main and water hammer from occurring. The housings and the check balls have a very tight tolerance. The balls have a rubberized coating and a specific weight. The existing housings and balls are obsolete (the housings have not been manufactured for over 20 years) and the coatings on the balls are failing. The new balls are lighter and require a new housing. We currently experience a life expectancy of 7-10 years before the ball needs replacement. Due to the tight tolerances, it is not possible to have the current ones recoated. We replaced one ball and housing approximately 5 years ago due to the housing failing (we attempted to repair the housing but it continued to fail necessitating replacement). We have maintained an inventory of spare check balls for replacement purposes, but have depleted that inventory.

- A defect in the original factory castings has resulted in a cavitation issue that damages the volute and the impeller. Two volutes and impellers have been replaced. This only occurred after a Flygt engineer suggested coating the inside of the volutes with a porcelain coating. This coating has not been effective in preventing failure of the volutes, therefore, the remaining volutes and impellers need to be replaced.

Exclusive Capability: The City has chosen to outfit all of its sewer lift stations with Flygt equipment since 1987. This allows the sewer crews to have uniformity and interchangeable parts on hand. Whitney Equipment is the only authorized dealership in the State of Washington to sell and service Flygt Pumps. Other manufactured pumps would possibly require a redesign of system and discharge piping within the wet well.
Quote

Whitney Equipment Company, Inc.

Corporate Office
Whitney Equipment Company
21222 30th Drive SE
Suite 110
Bothell WA 98021
United States

Quot#:  40521
Quote Date:  09/30/14
Quote Expires:  10/30/14
Customer #:  BONN CI

Bill To: City Of Bonney Lake
19306 Bonney Lake Blvd E
PO Box 7380
Bonney Lake, WA 98391-8850

Phone (253) 862-8602 Fax: (253) 862-8538

Contact:  Phone:

Ship To: City of Bonney Lake
19306 Bonney Lake Blvd. E N
Bonney Lake, WA 98391

Ship Via:  AIR FREIGHT-Air Freight
FOB:

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<th>Price, UOM</th>
<th>Extended Price</th>
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<td>WECI</td>
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<td>5,191.0000 EA</td>
<td>10,382.00</td>
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<td>2</td>
<td>7693120</td>
<td>KIT, IMPELLER N HT CODE 456 HC</td>
<td>WECI</td>
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RE-STOCKING FEE FOR INCORRECT ORDER 333596

| Sub-Total:   | 40,977.00 |
| Misc. Charges: | 0.00     |
| Freight:   | 0.00      |
| Tax:       | 3,597.18  |
| Total:     | 44,474.18 |

Lead-time:
1-3 weeks air-freight - est. cost: $3600
6-8 weeks ocean/ground - est. cost: $1050
Shipping charges are pre-pay and add