

**CHARTER TOWNSHIP OF VAN BUREN BOARD OF TRUSTEES
APRIL 20, 2015 WORK STUDY MEETING, TENTATIVE AGENDA**

ROLL CALL:

Supervisor Combs	_____	Trustee McClanahan	_____
Clerk Wright	_____	Trustee Miller	_____
Treasurer Budd	_____	Engineer Nummer	_____
Trustee Hart	_____	Attorney McCauley	_____
Trustee Jahr	_____	Secretary Montgomery	_____

UNFINISHED BUSINESS:

NEW BUSINESS:

1. Discussion on awarding the R.W. Mercer Co., a contract to rebuild and upgrade the Township Hall fueling station in the amount of \$52,730.00 with a 10% contingency, the total amount not to exceed \$58,003.00.

PUBLIC COMMENT:

ADJOURNMENT:

CLOSED SESSION:

1. To discuss on-going Michigan Association of Fire Fighters (M.A.F.F.) contract negotiations.

ADJOURNMENT:

Charter Township of Van Buren

Agenda Item _____

REQUEST FOR BOARD ACTION

WORK STUDY MEETING DATE:
2015-04-20

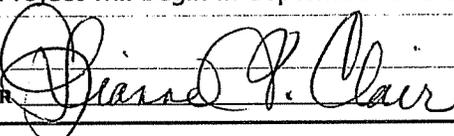
BOARD MEETING DATE:
2015-05-19

Consent Agenda _____ New Business X Unfinished Business _____ Public Hearing _____

ITEM (SUBJECT)	2015 Fuel Station Project
DEPARTMENT	Public Services
PRESENTER	Director James T. Taylor
PHONE NUMBER	734-699-8947
INDIVIDUALS IN ATTENDANCE (OTHER THAN PRESENTER)	

Agenda topic

ACTION REQUESTED	
To award the R.W. Mercer Co. a contract to rebuild and upgrade the Township Hall fueling station which includes a 10% contingency, for a not to exceed total amount of \$58,003.00.	
BACKGROUND – (SUPPORTING AND REFERENCE DATA, INCLUDE ATTACHMENTS)	
See attachments.	

BUDGET IMPLICATION	To be paid from the Building & Grounds Capital Outlay 101-265-970-001.	
This project was planned, budgeted and approved by the Board of Trustees in December 2014.		
IMPLEMENTATION NEXT STEP	Board approval	
DEPARTMENT RECOMMENDATION	Approval of contract award	
COMMITTEE/COMMISSION RECOMMENDATION	N/A	
ATTORNEY RECOMMENDATION	Contract under review by Township attorney. Update will be forthcoming.	
(May be subject to Attorney/Client Privilege and not available under FOIA)		
ADDITIONAL REMARKS	Project will begin in September and completed within two weeks.	
APPROVAL OF SUPERVISOR		



CHARTER TOWNSHIP OF VAN BUREN

DEPARTMENT OF PUBLIC SERVICES

DATE: April 20, 2015
TO: Township Board of Trustees
FROM: James T. Taylor, Director of Public Services
RE: Requests for Board Action

For the Work Study Session of April 20, 2015 I am presenting the following request:

To award the R.W. Mercer Co. a contract to rebuild and upgrade the Township Hall fueling station for the amount of \$52,730.00 with a 10% contingency, for the total amount of \$58,003.00

- There was one bid submitted to the Township for this contract. While we received other inquiries from Illinois, there was only one bid submitted to the Township for consideration. This is specialized work, as locally there is at least one other company (Oscar Larson) that we believe would have been a qualified candidate to submit a bid, but did not. However, Mercer is the company that is the primary distributor for these fueling systems and has been servicing Van Buren Township's existing station since they installed it several decades ago. This project will include a complete rehabilitation to the existing tank, cleaning of both compartments (unleaded and diesel fuel) with an interior inspection of the entire tank, and an upgrade from the DOS-based software system to a Windows based system that will improve the effectiveness and efficiency of the station operation.
- Presently, the existing DOS-based system requires reprogramming at the station following downtime and to replace fuel keys, as it does not presently have remote capabilities. The upgraded system will allow for remote programming and improved data tracking and collection.
- The operational portion of existing system is breaking down more frequently due to age, resulting in longer periods of downtime, as parts are becoming more difficult to obtain. The proposed project will modernize the system, with parts and equipment that will significantly reduce the frequency and length of downtime.
- Another new feature is that use of the pumps will be through fobs that will be issued to employees for fuel access. It is our plan to upgrade our security and card access system to Township Hall in the 2016 fiscal year. At that time, we will convert our fuel station access to include the new employee card system at an additional cost under \$2,000.00. The software system also comes with annual upgrades and a maintenance program at no additional cost.

Please contact me if you have any questions or concerns.

MISSION STATEMENT

"The Van Buren Public Services Department is committed to a clean and safe environment, enhanced service delivery to its customers and protection of the significant public investment in the township's buildings and grounds, and water distribution and sanitary collection systems."

**Charter Township of Van Buren
46425 Tyler Road
Van Buren Twp., MI 48111**

INVITATION FOR PROPOSALS FOR FUELING STATION UPGRADES

The Charter Township of Van Buren is seeking sealed proposals with pricing for upgrading its fueling station.

The purpose of this bid is to secure a company to upgrade the existing fueling station for the Township. The Township reserves the right to reject any/or all bids and to accept/reject partial bids. The Township reserves the right to split any/all bids. The bid award may not be based solely upon the lowest pricing, other factors such as references, equipment, qualifications, scope of work within the proposal, and the needs of the Township may be considered.

Existing Station

The existing station is located behind the Township Municipal Building at 46425 Tyler Road. It is an above ground system. The site consists of one tank (6000 gal) split for diesel and gasoline with one control unit and two pumps total. (One for gasoline, one for diesel). The control is hosted by one computer in the Public Works Garage with all cables run through an underground conduit (approx. 160'). The current software is a DOS based program.

Proposal Requirements

Entire tank and any support structures to be sanded and painted with a heavy duty outdoor metal paint (MDEQ approved if applicable).

Both sections of the existing tank to be cleaned internally and inspected.

Remove existing controller(s), fuel dispenser(s), pumps, and software and replace with new. It is the desire of the Township to have an entirely new station with the exception of the actual storage tank.

Computer software must be Microsoft O/S compatible. The Township uses Dell Windows O/S Intel chip PC's.

Include a timeframe from notice of bid award to full completion.

Include all mobilization, cleanup and startup with the proposal. No change orders will be issued unless beyond the scope of work agreed upon by the Township and successful bidder.

An external system to measure fuel levels for both gasoline and diesel.

Site Visit

Bidders are encouraged to visit the site. No appointment is needed to visit the outdoor portion. Bidders are asked to check in at the Water Department counter prior to visiting the site. If bidders are interested to see the internal aspect including the existing software program, an appointment will be needed. The point of contact for appointments and any proposal questions is:

William Turner
DPW Superintendent
734-699-8900 ex. 9227
wturner@vanburen-mi.org

Insurance Requirements

All successful bidders must provide the Township of Charter Township of Van Buren with a certificate of insurance that meets all Township of Charter Township of Van Buren requirements. Bidder must also provide all licenses and/or permits as required by law.

Bidder Qualifications

The following must be included in your bid:

1. Please include 3 references with current contact information on past and/or current jobs that match your proposal.
2. Number of years in the business.

Subcontracting

The Contractor shall not subcontract any or all portions of the work not included in the proposal(s) unless the Township grants prior written approval. Any subcontractor, so approved, shall be bound by all the terms and conditions.

Send all bids/proposals to:
Leon Wright, Township Clerk
Charter Township of Van Buren
46425 Tyler Road
Charter Township of Van Buren, MI 48111

Deadline for receiving bids is 4:00 p.m. Friday March 20, 2015. No late bids/proposals will be accepted.

*All bids/proposals should be sealed and clearly marked "2015 Fuel Station Project".

Bids/proposals shall be publicly opened and read at:

10:00 a.m. (local time), Monday March 23, 2015

Charter Township of Van Buren
46425 Tyler Road
Charter Township of Van Buren, MI 48111



Jason Foster
Technical Sales/
Project Manager

PETROLEUM DIVISION

Petroleum Equipment
Sales & Installation
Parts & Service

12502 Globe - Livonia, MI 48150
Phone: 734-542-0600 • Fax: 734-542-1038 • Cell: 248-568-3667
www.rwmercer.com • Email: jason.foster@rwmercer.com



**PETROLEUM CONSTRUCTION
PROPOSAL/CONTRACT**

2322 Brooklyn Rd. Jackson, MI 49203 (517) 787-2960 ph. (517) 787-8111 fax	4585 Executive Drive Portage, MI 49002 (269) 321-2280 ph. (269) 321-2285 fax	3366 Three Mile Rd, NW Walker, MI 49544 (616) 453-7444 ph. (616) 453-7813 fax	12502 Globe Street Livonia, MI 48152 (734) 542-0600 ph. (734) 542-1038 fax	3124 Commerce Center Dr. Saginaw, MI 48601 (989) 753-4016 ph. (989) 753-9360 fax	2801 Dickerson Rd. Gaylord, MI 49734 (989) 732-2971 ph. (989) 732-5329 fax	4020 Merchant Rd. Ft. Wayne, IN 46818 (260) 489-3566 ph. (260) 489-0738 fax
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Legal Company Name

Van Buren Township

Proposal Submitted to Leon Wright	Phone 734-699-8900	Fax	Date 3/20/2015
Street Address 46425 Tyler Road	Job Name 2015 Fuel System Project	Job #	Job Phone
City, State, Zip Code Belleville, MI 48111	Job Location - Address Same		
Contact Email lwright@vanburen-mi.org	Shipment Terms/FOB Point Location	Proposal Submitted By: Jason R. Foster	

We appreciate the opportunity to submit the following proposal.

- Mobilize to location and sand prep/prime/paint existing tank, stairs, and pipe bollards.**
- Provide tank cleaning for both compartments and visual inspection of interior of tanks. (NOT API 653 testing)**
- Lock out/tag out electrical to existing system during work process.**
- Disconnect and dispose of existing Gasboy Astra dispensers and Gasboy Topkat fleet controller.**
- Furnish and install one (1) new Gasboy 9853KTW2-DF dual hose, dual product suction pump on pump pedestal**
- New pump to include lighting and pulser options with internal filters.**
- Furnish and install new hanging hardware with hoses, nozzles, swivels, breakaways, and high hose retractors.**
- Repipe from the tank to the new dispenser with 1.5" black steel piping, all aboveground; anchor as necessary.**
- Furnish and install OPW K800 system with software next to new dispenser on existing concrete.**
- Furnish and install Veeder Root TLS 300C, two tank electronic gauge system to replace existing. ***

Electrical:

- Rework electrical conduits and wiring at tank for new pumps and card reader.**
- Pull new wiring through existing conduits for new card reader communications approx. 150' to office.**
- Run new conduits and wiring from new pumps to new card reader.**
- Install new software on customer's PC and assist customer with programming and train on database entry.**
- Clean up site of construction debris and start up system/commission for warranty.**

NOTES:

- Prices stated are firm for 30 days from the date of this proposal.**
- Prices based on underground conduits being "pullable"; frozen or rotten conduits are a common issue.**

****Price includes a new Veeder Root tank monitor, if that was not the intension of the spec line "An external system to measure fuel levels for both gasoline and diesel", then deduct \$ 6752***

Price based on using existing shielded wiring for new tank monitor, should new wire be needed ADD\$ 1925.00

We propose to furnish the above, in accordance with the specifications as referenced below, for the TOTAL SUM of: Fifty Two Thousand, Seven Hundred Thirty and 00/100.....\$ 52,730.00

Payment to be made as follows: 25% down, progress billing as needed, major equipment billed and due upon shipment from vendors, balances due Net 10.

**Standard R.W. Mercer Co. Terms and Conditions will apply including winter/frost clauses.*



**PETROLEUM CONSTRUCTION
PROPOSAL/CONTRACT**

Acceptance: Customer hereby accepts the Terms and Conditions set forth on the reverse side of this contract. Customer is responsible for all sales, use and other governmental taxes and charges, which are not included in the price unless expressly stated. R.W. Mercer Co. is authorized to perform the work as specified. This proposal may be revoked before acceptance.

Proposed: R.W. Mercer Co.

Accepted: Van Buren Township

By: _____

By: _____

Title: _____

Title: _____

Date: _____

Date: _____

*Due to the significant increase in the price of steel and fuel surcharges that are being assessed by certain vendors, R.W. Mercer Co. shall not be responsible for any price increase it may receive from manufacturers or suppliers that are made without notice prior to shipment. Such unanticipated increases in price shall be applied directly to the Contract Sum and paid by Owner including applicable mark-up and taxes.

**Standard R.W. Mercer Co. Terms and Conditions will apply including winter/frost clauses.*

Information for Charter Township of Van Buren

Fueling Station Upgrades

Proposed Timeframe from Bid Award to Completion approximately 6 weeks.

Insurance requirements will be met per bid spec.

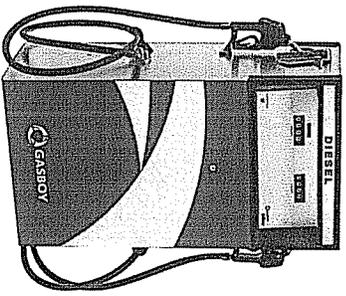
RW Mercer has been in business since 1962.

References:

Washington Local Schools, John Bettis, 419-473-8360

Jeep Toledo Assembly Plant, Dave Reed, 419-727-7336

Chrysler Warren Truck Assembly, Derek Moczulski, 586-419-1809



Mechanical pumps and dispensers

High Flow (up to 22 gpm/83 lpm)*

Model Number	Type	Hoses	Products	Motors	Meters
9153X	Pump	Single	1	(1) 1 hp c.d.	Gilburo CF
9152X1W1	Pump	Twin	1	(1) 1 hp c.d.	Gilburo CF
9153X1W1A	Pump	Twin	1	(2) 1 hp c.d.	Gilburo CF
9153X1W2	Pump	Twin	2	(2) 1 hp c.d.	Gilburo CF
9153X	Dispenser	Single	1	n/a	Gilburo CF
9153X1W1	Dispenser	Twin	1	n/a	Gilburo CF
9153X1W2	Dispenser	Twin	2	n/a	Gilburo CF

Ultra High Flow (up to 50 gpm/189 lpm)*

Model Number	Type	Hoses	Products	Motors	Meters
9850X	Pump	Single	1	(1) 1 1/2 hp c.d.	Liquid Controls
9850XW3	Pump	Combo	1	(1) 1 1/2 hp c.d.	Liquid Controls
9850X	Dispenser	Single	1	n/a	Liquid Controls
9850X1W1	Dispenser	Twin	1	n/a	Liquid Controls
9850X1W2	Dispenser	Twin	2	n/a	Liquid Controls
9850X1W3	Dispenser	Combo	1	n/a	Liquid Controls

Super High Flow (up to 40 gpm/151 lpm)*

Model Number	Type	Hoses	Products	Motors	Meters
9840X	Pump	Single	1	(2) 1 hp c.d.	(2) Gilburo CF
9840X	Dispenser	Single	1	n/a	(2) Gilburo CF

High Flow (up to 22 gpm/83 lpm)*

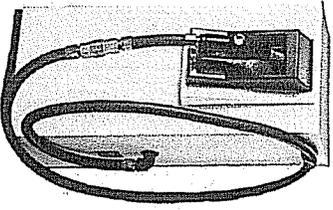
Model Number	Type	Hoses	Products	Motors	Meters
9853X	Pump	Single	1	(1) 1 hp c.d.	Gilburo CF
9852X1W1	Pump	Twin	1	(1) 1 hp c.d.	Gilburo CF
9853X1W1A	Pump	Twin	1	(2) 1 hp c.d.	Gilburo CF
9853X1W2	Pump	Twin	2	(2) 1 hp c.d.	Gilburo CF
9853X	Dispenser	Single	1	n/a	Gilburo CF
9853X1W1	Dispenser	Twin	1	n/a	Gilburo CF
9853X1W2	Dispenser	Twin	2	n/a	Gilburo CF

E85 Electronic Dispensers

Model Number	Type	Hoses	Products	Nozzle Position	Meters
9872X F	Dispenser	Single	1	Side	(1) C-
9872X FZ	Dispenser	Single	1	Front	(1) C-
9872X1W1 Z	Dispenser	Twin	1	Front	(2) C-

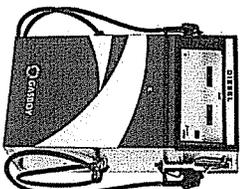
DEF Electronic Dispensers

Model Number	Type	Application	Nozzle Position	Hoses	Products	Stiles	Meters
9862X W2	Dispenser	Cold Weather	Front	1	1	1	(1) Conis Mass Flow
9862X W1W	Dispenser	Warm Weather	Side	1	1	2	(1) Conis Mass Flow
9862X2W1W	Dispenser	Warm Weather	Front	1	1	1	(1) Conis Mass Flow

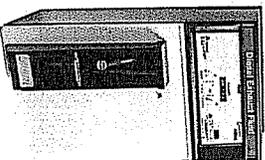
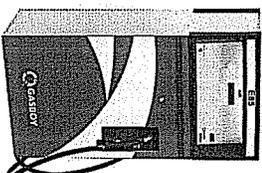


Satellite dispensers

Model Number	Works With	Hoses	Products	GM/LPM*	Motors	Meters
2150	9153X	Single	1	Up to 21	n/a	n/a
2150Z	9853X	Single	1	Up to 21	n/a	n/a
2150W2		Twin	1	Up to 21	n/a	n/a
2160	9850X	Single	1	Up to 40	n/a	n/a
2160Z	9840X	Single	1	Up to 40	m/	n/a
2160W2	9850X	Twin	1	Up to 40	n/a	n/a



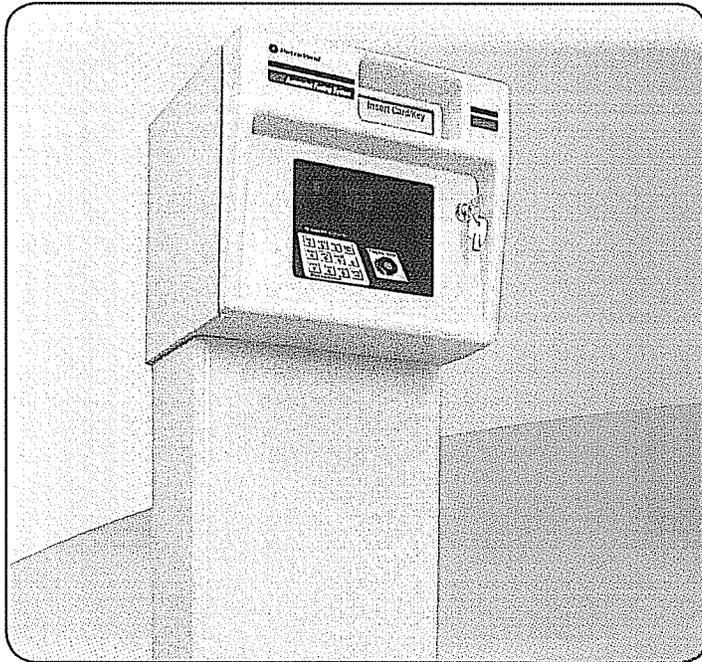
Electronic pumps and dispensers



K800™ Hybrid Fuel Control System

Adaptable and Affordable Fuel Control

From small fleets with a single fuel site to large fleets with multiple sites, the Petro Vend K800™ Hybrid Fuel Control System delivers versatile fuel management.

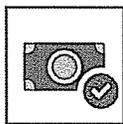


K800™ Hybrid Fuel Control System

The Petro Vend K800™ Hybrid Fuel Control System provides fuel site managers the versatility and reliability they need to control one of their biggest expenses – their fuel. Designed to be adaptable, the system's fuel site controller can be installed as a separate unit indoors or integrated within the Fuel Island Terminal for fuel sites that require stand-alone outdoor installations.

Applications

- ◆ Each Fuel Island Terminal controls up to 4 mechanical dispensers
- ◆ Each FSC3000™ can control up to eight (8) FITs with a maximum of 32 hoses per site
- ◆ 16 quantity restriction levels and 16 product restriction combinations are available
- ◆ Pump and product totals are available automatically or on demand



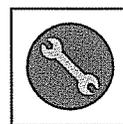
ECONOMICAL

Ideal for small private fleets needing a low-cost fuel management solution



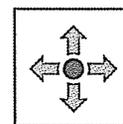
USER-FRIENDLY

Customizable prompts for driver clarity. ARTWare™ PC software makes configuration a snap



EASY TO INSTALL

Integrated FSC3000™ for installations where no building is available. USB key for transaction backup and card file updates



ADAPTABLE

Optional 900 MHz wireless communication between fuel island and building. Cell modem, Bluetooth® and 802.11 WiFi are available

Contact your OPW representative to learn more about the affordable K800™ Hybrid Fuel Control System today!
Phone: (708) 485-4200 ◆ Fax: (708) 485-4630 ◆ 6900 Santa Fe Drive ◆ Hodgkins, Illinois USA 60525 ◆ www.opwglobal.com

K800™ Hybrid Fuel Control System

System Features

- ❖ Windows-based ARTWare™ PC software makes programming simple and provides system backup
- ❖ System management easily performed on-site or remotely via dial up, cell modem, LAN/WAN, or Bluetooth™
- ❖ Able to process commercial fueling cards such as WEX, Voyager, and others
- ❖ Pump and product totals automatically or on demand
- ❖ Daily and monthly allocation amounts
- ❖ Sixteen quantity restriction levels; sixteen product restriction combinations
- ❖ Odometer or hour meter recording
- ❖ User can be prompted to enter miscellaneous data of up to ten (10) digits (job, vehicle, ID, etc.)
- ❖ Single or dual card/key/cardless entry operation (driver/vehicle number)
- ❖ Cards can be assigned to accounts or departments
- ❖ Card/key/account lockout
- ❖ Programmable K800™ Fuel Island Terminal displays messages and user prompts
- ❖ A price may be assigned to each product to be recorded for each transaction
- ❖ Standard system utilizes magnetic cards; optional proximity card reader available
- ❖ Optional ChipKey® mileage and reasonability
- ❖ Self-test and diagnostic utilities for start-up and troubleshooting
- ❖ Optional office journal printer
- ❖ USB key for transaction information backup and card updates
- ❖ Optional 900 MHz wireless communication between island and building

Memory

- ❖ Standard memory 2,000 proprietary cards, and 500 transactions
- ❖ Expandable to 64,000 proprietary cards, and 2,000 transactions

Pump Control Methods

- ❖ Pump Control Modules for commercial dispensers with mechanical registers
 - Mounted in Fuel Island Terminal for low-cost, convenient wiring
 - Mounted in remote cabinet
 - Pump handle monitor
 - Manual bypass for each dispenser
 - Four adjustable fueling timers
 - Maximum fueling time
 - Maximum time to activate pump handle
 - Maximum time until first pulse
 - Maximum time between pulses
 - Counts in gallons or liters from thousandths to full units
 - Pump sentry provides protection from faulty pulsers
- ❖ Direct Pump Control communicates via serial link to the dispensers (optional)
 - Supports Wayne and Gilbarco protocols
 - Extremely simple installation
- ❖ Universal Pump Controller for operation with a pump controller (optional)
 - Interfaces with Wayne and Gilbarco dispensers
 - Allows pumps to be controlled via the Fuel Island Terminal or retail pump console

K800™ Hybrid Fuel Island Terminal Specifications

Readers (any one of the following):

- ❖ Magnetic-Stripe Card
- ❖ ChipKey® (optional)
- ❖ HID Proximity Card/Key (optional)

Display: 2 line x 16 character backlit LCD

Enclosure Dimensions [H x W x D]:
12 x 13 x 10 inches (30.5 x 33 x 25.5 cm)

Power Requirements:
120/230 VAC 50-60 Hz 100 watts max.

Operating Temperature:
-40° F to 122° F (-40° C to 50° C)

Pump Control Terminal Specifications

Relay Rating: 1 HP, 120/240 VAC

Pulser Compatibility:
Contact/12 VDC Electronic

Pulser Power Supply:
12 VDC; 40 mA max./pulser

Pulser Speed:
6,000 pulses/minute (mechanical)
100,000 pulses per minute (electronic)

Pulser Rate:
1:1 to 1,000:1 (in one-pulse increments)

Pulser Type: Single channel

Pulser Duty Cycle: 50%

Operating Temperature Range:
-40° F to 122° F (-40° C to 50° C)

FSC3000™ Fuel Site Controller Specifications

Dimensions [H x W x D]:
2.25 x 10 x 8.25 inches D (5.7 x 25.4 x 21 cm)

Power Requirements:
85-240 VAC, 50/60 Hz; 25 watts max.

Operating Temperature Range (indoors):
32° F to 122° F (0° C to 50° C)

Serial Communication Ports:
Petro-Net™ (RS-485), Printer (RS-232), Terminal (RS-232), Modem (RS-232), Pass-through (RS-232), two (2) Auxiliary Ports (RS-232), Tank Gauge, Ethernet, USB

Maximum Petro-Net™ Distance:
5,000 feet (1,524 m)

Phoenix™ Software

- ❖ Phoenix™ Plus – polls transactions, performs card updates, runs reports
- ❖ Phoenix™ Premier – all of the Phoenix™ Plus features, plus tank gauge interface for reconciliation
- ❖ Phoenix™ SQL – a Web-based multiuser browser interface with controlled user access. Polls transactions and tank gauges simultaneously, dramatically reducing data collection times for multiple fuel sites

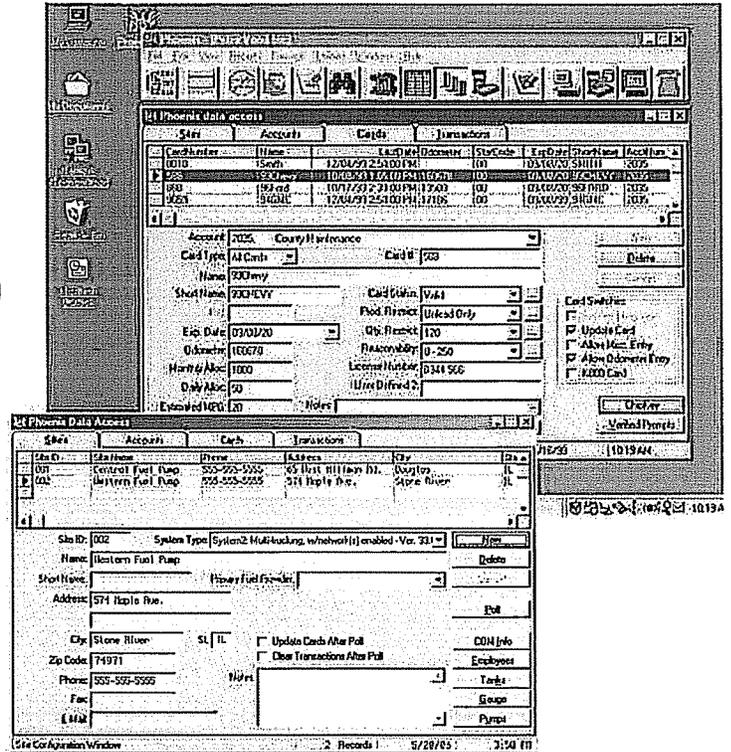
ONE COMPANY. ONE WORLD. ONE SOURCE.™

PHOENIX™ PREMIER FUEL MANAGEMENT SOFTWARE

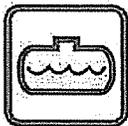
Complete Site Reconciliation in One Powerful Software Package

Phoenix™ Premier Fuel Management Software with tank gauge interface automatically polls your Petro Vend Fuel Control System for site, account, card, and transaction data, and your OPW Tank Gauge (or other brands of automatic tank gauges) for real-time fuel inventory information for reconciling your site's fueling activities. Polling is possible through a single phone line and one phone call with the use of an appropriate switch box or pass-through port on your fuel site controller. LAN/WAN connection is also available. Phoenix™ Premier is also ideal for owners of multiple fuel sites who want to integrate the management of all their facilities into one centralized computer.

Based on OPW Fuel Management Systems' Phoenix™ Plus software package, Phoenix™ Premier includes full-featured back up and restore, automatic and on-demand transaction polling, card management, and over 60 reports. See Petro Vend Fuel Control System's K800™, C/OPT™ or FIT500™ brochures for more information about Phoenix™ Plus.



Phoenix™ Premier's intuitive user interface runs on your Windows® PC, and is compatible with Windows® Server 2003 operating system, Windows® Vista and Windows® 7, Windows XP®. With Phoenix™ Premier, checking and reconciling your fuel inventory is as easy as clicking a mouse.



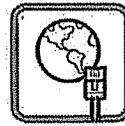
AUTOMATIC

Automatic and on-demand transaction polling enhances ease of reporting reconciliation information



EASY-TO-USE

Reduces training costs – Windows-based program is easy to learn, easy to use



INTEGRATION

Communicate with OPW Tank Gauges and many other tank gauges. Communicate with up to 999 sites



ACCURATE

Enhanced odometer checking reveals obvious, incorrect mileage entries, such as single, sequential or repeated numbers



LEADING THE WAY IN TANK GAUGE INNOVATION

Features

- Centralized card database for multiple sites
- Facilitates daily inventory management
- Provides communications through modem, Ethernet or direct connection
- System management easily performed via LAN/WAN
- Stores records in your back-office PC environment for easy retrieval and management
- Export transactions in Excel 5.0, HTML, dBASE IV, FoxPro 2.5, Lotus 1-2-3 WK3, Paradox 4.x, and two ASCII formats; CSV (comma separated variable width) and SDF (space delimited fixed width)
- Eliminates the need for two separate lines and modems when polling via phone lines

Applications

- Interfaces directly with all OPW tang gauges - iSite, iTouch, SiteSentinel 1, SiteSentinel 2, SiteSentinel 3, EECO 1500, EECO 2000 and EECO Galaxy™
- Interfaces directly with Petro Vend FSC3000™, System2™ and K800™ fuel site controllers
- Ability to interface with most third-party tank gauge systems

PC Requirements

- A Windows PC with 500 MHz or higher processor speed
- At least 512 MB RAM
- CD-ROM drive
- 250 MB hard disk space
- Available communications port

Note: Windows is a registered trademark of Microsoft Corp.

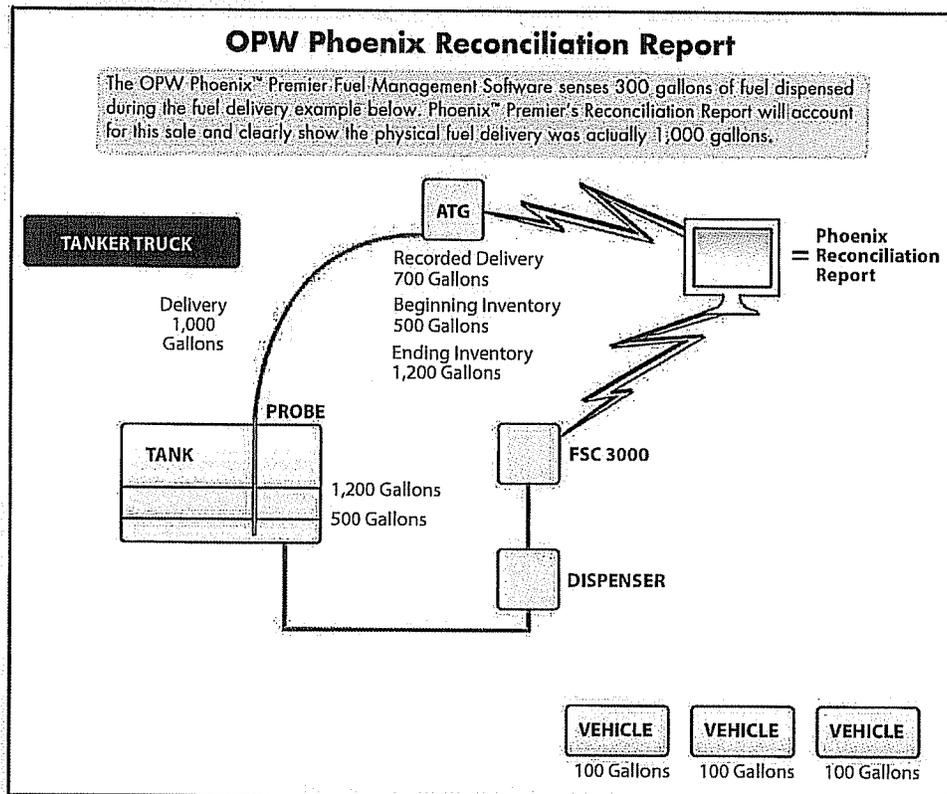
Tank Gauge Requirements for Phoenix™ Premier Operation

OPW iSite, iTouch, SiteSentinel 1, SiteSentinel 2, SiteSentinel 3, EECO 1500, EECO 2000 and EECO Galaxy™

- An available RS232 port or internal/external modem option, depending on installation configuration

Fuel Control Systems Requirements for Phoenix™ Premier Operation

- System2 or FSC3000 Fuel Site Controller with available pass-through port and cable
- K800 Fuel Site Controller with external code-activated switch



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TLS-300C

Designed as a high quality and cost effective tank monitoring system.

This system is for non-retail, commercial industrial, and municipal tank owners. The TLS-300C two tank configurable console offers the ultimate flexibility in one to two tank inventory control, and in-tank leak detection systems.

Veeder-Root's TLS-300C tank monitoring system can be configured to provide in-tank leak detection for underground storage tank (UST) applications: with either one to two leak detection series 8463 0.1 GPH Mag Plus Magnetostrictive Probes, or one to two 8463 Mag Plus Magnetostrictive Inventory Measurement Probes to support above ground storage tank (AST) applications.

Additional configurable options are designed to provide printed documentation and remote monitoring flexibility. The optional integral printer provides fast, quiet continuous printouts. The optional SiteFax option can be programmed to transmit leak detection and inventory reports, as well as real-time alarm reporting to fax machines or other communications devices.

Standard features include back-up generator capabilities, as well as capacity to accept up to eight Veeder-Root Series 7943 float-switch sensors. This high quality, low cost family of sensors includes interstitial leak sensors for steel and fiberglass tanks, piping sump sensors, hydrostatic sensors, and discriminating dispenser pan and containment sump sensors.



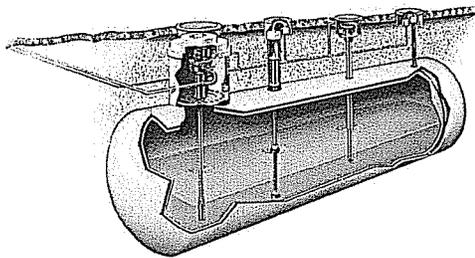
Features

- System monitors up to two tanks
- RS-232 Communication Interface with Auxiliary Port provides two 25-pin D-connectors for data transmission to computers or point-of-sale terminals
- Automatic continuous leak sensing: tank interstitial space; piping sump
- Audible alarm and display indicate leak location
- In-tank warnings and alarms are activated for the following conditions: leak, overfill, low product, sudden loss, high water, delivery needed, test failure, tank test not performed
- Accepts up to eight interstitial / containment float sensors
- Interstitial and piping sump warnings and alarms are activated for the following conditions: fuel presence, low liquid, high liquid
- Alarm relays can trigger alarm/security devices
- Two built-in inputs provide for solid-state or switch input from external devices
- Two built-in output relays provide for outputs to overfill alarms and external audible and visual warning devices
- Either relay can shut down the submersible if power to the monitor is lost or a leak is detected
- Emergency generator applications are selectable via programming
- One system handles a mix of standard and emergency generator tanks
- Records generator activity
- Complete inventory reports before and after generator operation

Technology that simplifies inventory management and saves valuable time.

Configurable Features

- Continuous Statistical Leak Detection for in-tank leak detection without tank shutdown
- Integral printer, which documents inventory leak detection, alarms and setup information
- SiteFax modem for remote management of leak detection and inventory alarms and reports
- One or two Veeder-Root Magnetostrictive Probes for 0.1 GPH in-tank leak detection with 4" float kit and 5" cable
- One or two Veeder-Root Inventory Only Probes for inventory control with 4" float kit and 5" cable



Descriptions and Part Numbers

Console Form Number:	848590-521
Description:	TLS-300C 0-2 Tank Configurable Console with Integral Printer
Console Form Number:	848590-511
Description:	TLS-300C 0-2 Tank Configurable Console without Integral Printer
Software Enhancement Modules*:	330161-001 330161-003
Description:	Static In-Tank Testing CSLD
Optional Site Fax Modem:	331398-001
Description:	Site Fax Modem Kit for TLS-300 Series Consoles
Optional Ethernet/IP Card:	330020-424
Description:	Ethernet/IP Kit for TLS-300 Series Consoles

The following probes and sensors are compatible with the TLS-300C Monitoring System:

FORM NO.	DESCRIPTION
847390-1XX	0.1 GPH Magnetostrictive Probe
847391-XXX	0.1 GPH Magnetostrictive Probe for Alternative Fuels
847390-3XX	Magnetostrictive Probe for Inventory Measurement
846390-1XX	0.1 GPH Mag Plus Magnetostrictive Probe
846391-1/4XX	0.1 GPH Mag Plus Magnetostrictive Probe for Alternative Fuels
846391-3/6XX	Mag Plus Magnetostrictive Probe for Inventory Management
847398-XXX	Retrofit Mag Plus Probe for standard Mag Probe
847399-XXX	Retrofit Mag Plus Probe for standard Mag Probe
794390-40X	Interstitial Sensor for Fiberglass Tanks
794390-420	Interstitial Sensor for Steel Tanks
794390-20X	Piping Sump Sensor
794380-301	Single-Point Hydrostatic Sensor
794380-302	Dual-Point Hydrostatic Sensor
794380-322	Discriminating Dispenser Pan Sensor
794380-352	Discriminating Containment Sump Sensor

Please refer to the Veeder-Root Price List for required probe and sensor lengths and corresponding 3-digit Form Number suffix.

For more information call

1-888-561-7942



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