

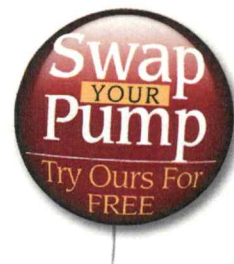
**BOARD OF PUBLIC WORKS AND SAFETY  
Agenda Request Form**

(Form B-01-2012)

Organizations and individuals are asked to submit a request form and supporting documents to be placed on the agenda. You will be contacted by the City confirming the date of the meeting in which your request will be heard. Please make sure that your contact information is accurate in case we need to get in touch with you. The Board of Works meets on the 1st and 3rd Monday of each month at 5:00 p.m. in City Hall located at 70 E. Monroe Street.

Date Submitted:	3/26/2025	Meeting Date:	
<b>Contact Information:</b>			
Requested by:	Roy, Rooks		
On Behalf of Organization or Individual:			
Wastewater Dept.			
Telephone:	(317) 668-6851		
Email address:	rrooks@Franklin.IN.GOV		
Mailing Address:	796 S. State St.		
<b>Describe Request:</b>			
6" Penn Valley pump			
<b>List Supporting Documentation Provided:</b>			
We have no redundant pump.			
Price Quote			
<b>Who will present the request?</b>			
Name:	Sally Brown / Roy Rooks		Telephone:
		(317) 417-9167	

*In order for an individual and/or agency to be considered for new business on the Board of Works agenda, this reservation form and supporting documents must be received in the Mayor's office no later than 4:00 p.m. on the Wednesday before the meeting.*



## Franklin, IN WWTP

### SWAP-YOUR-PUMP TRIAL PROGRAM AGREEMENT

Penn Valley Pump Co., Inc. (PVP) recognizes the mutual benefit in providing equipment for trial situations. We realize that in dealing with materials and processes, you can be the only judge as to the effectiveness of this equipment in your own process, so we offer the following equipment on a trial purchase agreement as follows:

120  
1  
Upon receipt of this executed agreement we will supply: Qty 1, Pump Model: 6DDSX107 CNG (with glass lining) per Quotation: 24135 REV 2 to test site location. The trial period will be for days and begins on the date of equipment start-up. Start-up should not exceed 90 days from receipt of unit at customer's facility.

If the unit performs satisfactorily customer will either issue a purchase order or instruct PVP to invoice based on quotation number listed above. If the unit does not perform satisfactorily, it will be returned with no money due by the customer. If the unit performs, but customer chooses not to purchase, a refurbishment fee of (\$5,500 for 6 inch) will be assessed. PVP must be notified if pump is to be returned and will issue a return material authorization form. This will serve as notice of termination of the trial period.

The application must be reviewed and approved by PVP and an application data sheet completed. This sheet is to be completed by the customer or by a PVP representative.

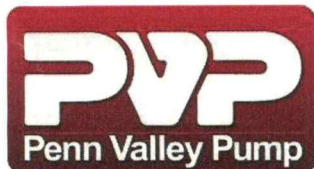
It is to our mutual benefit to have successful trial period. PVP will provide engineering and start-up suggestions. In return, you agree to provide us with non-proprietary test data to assist in correcting trial period operating problems, as well as selecting equipment for future applications.

Title to equipment shall remain with PVP and shall be immediately returned upon request via freight prepaid unless unit is purchased.

Liability of PVP under this agreement is limited expressly to accepting return of the equipment subject to the terms and conditions described above. Penn Valley Pump Co., Inc. expressly disclaims liability for special or consequential damages of any kind. In the event of purchase, our standard warranty will apply.

Name: Bo, Brooks Phone: (317) 668-6851  
Company: Franklin Wastewater Fax: \_\_\_\_\_  
Ship Address: 796 S. State St.  
City: Franklin State: IN Zip: 46131  
Customer Signature: [Signature]  
Date: 3/25/25





The World Leader in Free-Disc  
Pumping Technology



To: City of Franklin, IN	Date: Mar 7, 2025	Quote No: 24135 REV 2
	Project: Franklin, IN WWTP	
	Quoted by: Steve Truitt, PE	

Qty	Description	Unit Price	Total Price
	<b>Application: BFP feed and future screw press feed</b>		
	<b>Duty: 200 GPM @ 60 ft TDH for screw press feed; 120 gpm at 40 feet TDH for BFP feed</b>		
	<b>Suction: 4 in diameter suction piping, max 10 ft long. Suction side static head is always flooded by at least a foot or two.</b>		
	<b>Proposed Equipment:</b>		
1	6" Model 6DDSX107CNG-MK1 Penn Valley Double Disc Pump™ unit: <ul style="list-style-type: none"><li>6" ASA/ANSI 150# flanged suction and discharge connections</li><li>Cast iron housing with full glass lining and neoprene elastomers</li><li>Maintain-in-place hinged housing design for ease of maintenance</li><li>Two-piece swan neck design with full port rigid clack valve</li><li>10 HP, 1160RPM 230-460/3/60 TEFC Severe duty, inverter ready motor</li><li>200 RPM Max pump speed achieved with V-belt and pulley drive</li><li>Suction and Discharge pulsation dampeners</li><li>304SS Welded base with OSHA approved guards and covers</li><li>Pump and dampeners coated with industrial primer and topcoat</li><li>Per drawing PVD728 Piggy-back motor mount</li></ul>	\$41,305	\$41,305
1	Model PVP420V Suction vacuum gauge assembly consisting of: 1" NPT SS316 sensor w/ EPDM sleeve and 4" (30" Hg – 30 psig) SS gauge. Mounts to top of dampener to indicate suction conditions.	\$750	\$750
1	Model PVP420PS Discharge pressure switch assembly consisting of: 1" NPT SS316 sensor w/ EPDM sleeve, NEMA 4X adjustable switch and 4" (0-100psi) SS gauge. Mounts to top of dampener to protect against over pressurization. (Must be wired to pump starter/VFD.)	\$1,400	\$1,400
1	Days of start-up and training services (one trip/one day onsite per trip)	\$2,500	\$2,500
1	Estimated transport to site. Estimated weight of shipment is two skids at 1,700 lbs each.	\$1,000	\$1,000

**Commercial Information:**

1. Shipment is 10 – 12 weeks after receipt of purchase order or approved submittals.
2. Submittals, if required, are 2 – 4 weeks after receipt of purchase order.
3. Freight terms are F.O.B. Factory, Warrington, PA with freight allowed to jobsite.
4. Terms are Net 30 days after receipt of invoice.
5. Quotation is valid for 60 days from date of issue.
6. Warranty is two (2) years from date of shipment for manufacturer's defects in materials and workmanship.

**The following items have not been included:**

- Installation
- Foundations, anchor bolts, grouting and foundation design
- Motor starters, Variable Frequency Drives (VFD's) or Controls

## Ray Rooks

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**From:** Rebecca Lee <rlee@hpthompson.com>  
**Sent:** Tuesday, March 25, 2025 4:38 PM  
**To:** Ray Rooks  
**Cc:** Travis Maupin; Sally Brown; Parts  
**Subject:** RE: Franklin IN Penn Valley Pump

Caution! This message was sent from outside your organization. Use caution with links and attachments.

Ray,

Penn Valley has confirmed they will agree to 180 days on the Swap Your Pump trial.

Please let us know if you need anything additional to proceed.



Rebecca Lee  
[rlee@hpthompson.com](mailto:rlee@hpthompson.com)  
M: (317) 748-5720  
D: (317) 576-6565

**Metro Indy Plant Manager**  
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Fishers, IN 46038  
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**From:** Rebecca Lee  
**Sent:** Monday, March 24, 2025 4:09 PM  
**To:** 'Ray Rooks' <rrooks@franklin.in.gov>  
**Cc:** Travis Maupin <tmaupin@hpthompson.com>; 'Franklin IN WWTP Sally Brown' <sbrown@franklin.in.gov>; Parts <parts@hpthompson.com>  
**Subject:** Franklin IN Penn Valley Pump

Ray,

Attached find Swap Your Pump Agreement and quotation for one Penn Valley pump, model 6DDSX107CNG-MK1 in the amount of \$46,955.

Did you get a new gauge installed or are we proceeding based on below assumptions?

Reminder of a few items on the Swap Your Pump Program:

- If the unit performs satisfactorily customer will either issue a purchase order or instruct PVP to invoice based on quotation.
- If the unit does not perform satisfactorily, it will be returned with no money due by the customer.
- If the unit performs, but customer chooses not to purchase, a refurbishment fee of (\$5,500 for 6 inch) will be assessed and payable to PVP.



- PVP must be notified if pump is to be returned and will issue a return material authorization form. This will serve as notice of termination of the trial period.

Per our conversation this morning Maddox visited site last week and is working with Franklin on installation.

Once Franklin has reviewed documentation, please let us know if you have questions or need more information.

Thank you for the opportunity.

Rebecca



Rebecca Lee

[reee@hpthompson.com](mailto:reee@hpthompson.com)

M: (317) 748-5720

D: (317) 576-6565

**Metro Indy Plant Manager**

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**From:** Rebecca Lee

**Sent:** Monday, March 17, 2025 4:20 PM

**To:** Ray Rooks

**Cc:** Travis Maupin

**Subject:** Franklin IN Penn Valley Pump

Ray,

Per my voicemail we have pricing, and 90-day Swap Your Pump paperwork based on the following Penn Valley assumptions.

Would you like HPT to send based details based on these assumptions or would Franklin like to verify flow and head with new gauges? and possibly have a contractor / engineer look at how the pumps would be installed in the existing space?

Sketch 1 & 3 are some of Penn Valley's thoughts on application modifications. Sketch 2 is how PV visualizes current space.

- 200 GPM at 60 FT TDH for screw press feed
  - New screw press: 200 gpm at 31 feet TDH (PV isn't sure this TDH is a calculated value and it may be low since the existing lobe pump, which PV is pretty sure was not producing 200 gpm flow rate when the video of the discharge pressure gauge was taken, was showing 14 psig (32 feet).
- 120 GPM at 40 FT TDH for BFP feed
  - Existing BFP: 120 gpm at 26 ft TDH. One note said existing lobe pump was designed for 120 gpm at 69 feet, but that was believed to be high. But the gauge in the video was showing 32 feet (14 psig), so I am not sure where 26 feet TDH comes from.

- Max total static = 22 feet. The BFP polymer mixing valve will likely have 10 to 20 feet loss across it (I am assuming they have a polymer mixing valve since virtually every BFP I have seen over the past 35 years uses one).

*Based on above PV has assumed we need to hit 200 gpm at let's say a max of 60 feet TDH (being conservative) for the future screw press feed application. And they want 120 gpm at a TDH value of, let's use the gauge reading they took a video of – 14 psig (32 feet), less 2 feet min suction side static head, so this gives us 30 feet TDH. Let's use 40 feet to be safe. Yes, we can easily accommodate these two duty points and much more turndown than that if necessary. These two duty points would be accomplished by a Model 6DDSX107 CNG MK1 (glass lined) pump running at approx 200 rpm pump speed for the higher screw press feed duty point and running at 125 rpm pump speed for the lower BFP feed duty point. A 10 hp motor is required for this max duty point. The pump and motor will have 20:1 turndown capability (ie, can run at 3 hertz) which would result in a pump speed of 10 rpm which would produce roughly 10-ish gpm flow rate (depending on TDH which would be lower at this low flow rate).*

- Suction: 4-inch diameter suction piping, max 10 ft long. Suction side static head is always flooded by at least a foot or two.
- Penn Valley has assumed 304SS frame and covers. Penn Valley has not included motor specials such as thermal overloads and/or AEGIS shaft grounding rings – we can add if necessary. Please advise.

Penn Valley would like Franklin to verify the current flow and TDH with accurate gauges on existing pump(s) prior to releasing and shipping of equipment.

*The video was, PV believes, the discharge gauge. It read approx 14 psig (32 feet, just converting units). No flow rate provided. Flow rate is important. If this was at a much lower flow rate than we are designing for, then the friction losses when this gauge reading was taken could be much lower than they will be at a higher flow rate – especially due to the restricted ID of the piping due to Vivianite.*

Expected lead time is 2 to 4 weeks for submittals and 10-12 weeks for fabrication.

1. Franklin spoke to Ken Sobbie on start up on these lobe line pumps, he said they called for 120GPM at 30PSI this was running at 277 RPM. He said when the pumps were started up they never got them to 30PSI the ones we have now are rated for a Max of 60PSI with a 7.5HP motor that runs the pump. Our gauges on our pipes are not correct and we will need to have these re-tapped and new gauges re-installed. Let me know if anything else is needed hopefully I can help.
2. From finish floor to center of pipe = 20-3/4" (pipe going into wall) SMT at PVP 3/14/2025 – So they will definitely need to add two 90's to the suction side (as shown in the sketch I sent on March 7) to raise the elevation of the piping flange to which we connect in order to have sufficient space below the pump to do maintenance.
3. min dimension where spot would hit your head = 66.5" SMT at PVP 3/14/2025 – The vertical height of a fully assembled PVP 6DDSX107 pump in piggyback frame configuration is 77-3/32 inches. The pump skid will be shipped fully assemble (ie, we need to test it in the factory). Once onsite, in order to get it down the stairs, the belt guard will need to be removed, belts removed, and the motor will need to be removed. This will give us a max height (dampeners not installed) of 65 inches so we should be able to slide down the stairs and fit into the basement.
4. Rails can be removed. Stairwell opening concrete to concrete 37" SMT at PVP 3/14/2025 – Good. So the piggyback 6DDSX107 pump skid will fit down the stairs.

Once reviewed please let us know if you have questions.

Thanks.  
Rebecca



Rebecca Lee

[rllee@hpthompson.com](mailto:rllee@hpthompson.com)

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