

City Council Workshop Agenda Tuesday, September 06, 2022, 4:30 PM Council Chambers, 616 NE 4th Avenue

NOTE: The City welcomes public meeting citizen participation. TTY Relay Service: 711. In compliance with the ADA, if you need special assistance to participate in a meeting, contact the City Clerk's office at (360) 834-6864, 72 hours prior to the meeting so reasonable accommodations can be made (28 CFR 35.102-35.104 ADA Title 1)

To Participate Remotely:

OPTION 1 – Video & Audio (able to public comment)

Use Zoom app and Meeting ID - 825 0702 7701; or click https://zoom.us/j/82507027701

OPTION 2 – Audio-only (able to public comment)

By phone: 877-853-5257, Meeting ID - 825 0702 7701

For Public Comment:

- 1. On Zoom app click Raise Hand icon
- 2. On phone hit *9 to "raise hand"
- 3. Or, email publiccomments@cityofcamas.us (400 word limit); routes to Council

CALL TO ORDER

ROLL CALL

PUBLIC COMMENTS

WORKSHOP TOPICS

- Summer Reading Wrap-Up
 Presenter: Connie Urquhart, Library Director
 Time Estimate: 5 minutes
- Vancouver Housing Authority Presentation
 Presenter: Roy Johnson, Executive Director
 <u>Time Estimate: 15 minutes</u>
- 3. Wastewater Treatment Plant (WWTP) Blower and HVAC Design Improvement
 Presenter: Rob Charles, Utilities Manager
 Time Estimate: 5 minutes
- 4. Community Survey

Presenter: Rachal, Bryan, Director of Communications

Time Estimate: 10 minutes

5. Staff Miscellaneous Updates

Presenter: Jeff Swanson, Interim City Administrator

Time Estimate: 10 minutes

COUNCIL COMMENTS AND REPORTS

PUBLIC COMMENTS

CLOSE OF MEETING



Staff Report

September 6, 2022 Council Workshop Meeting

Summer Reading Wrap-Up

Presenter: Connie Urquhart, Library Director

Time Estimate: 5 minutes

Phone	Email
360.817.1234	curquhart@cityofcamas.us

BACKGROUND: The Library's annual Summer Reading Program wrapped up on Saturday, August 20. Director Urquhart will briefly outline this year's program, discuss the importance of reading programs, and finally, introduce and thank the Summer Reading Team.

SUMMARY: Each year, the Camas Public Library aims to provide a bridge for schools between spring and fall, encouraging kids and teens to read via an incentivized program. Participants can log their reading in one of three ways: in a badge-earning book, on a paper game board, or through a mobile app. Youth participants who finished the program received a gift bag containing a book and other prizes, as well as an entry into the raffle with many fantastic prizes.

This year's theme was *Read Beyond the Beaten Path*, where the Library drew a connection with nature in many of its programs, partnering with Parks and Recreation in several. Examples include storytimes at local parks, as well as events at Crown Park such as Jessa Campbell and the Saplings, S'more Stories, and a Storywalk throughout the month of July.

According to the *American Educational Research Journal*, the average student loses 17-34% of the prior year's learning gains during summer break. Studies show that summer reading programs help prevent summer reading loss, also known as the summer slide.



Summer Reading Graphics. The Camas Library uses graphics from iRead Reading Programs (left), as well as in-house designs (right).

EQUITY CONSIDERATIONS: The 2022 Summer Reading Program Team extended every effort to consider equity in their planning. They scheduled storytimes in parks in all neighborhoods across the City. Families who come to those storytimes were able to sign up for library cards on site, which gives them access to our many online resources – even if they can't travel to the Library building.

In addition, the in-house events ran the gamut from a summer movie series celebrating world cultures to Mahjong and origami. Some events were offered virtually, not necessarily because of COVID but because staff found that patrons aren't always able to leave their homes and would still like to take advantage of all that the Library has to offer.

BUDGET IMPACT: All non-donated prizes and costs for reading logs, software, or performers were funded by the Friends and Foundation of the Camas Library (FFCL), aided in part by a grant from the Camas-Washougal Community Chest. Cost to the budget included staff time and minimal office supplies.

RECOMMENDATION: Information only.

VANCOUVER HOUSING AUTHORITY DEVELOPMENT OVERVIEW

VANCOUVER HOUSING AUTHORITY

- Public agency established in 1942 by the City of Vancouver
- Governed by six commissioners appointed by the city

Our mission

Provide opportunities to people who experience barriers to housing because of income, disability, or special needs. It is our goal to fulfill that mission in an environment which preserves personal dignity and in a manner which maintains the public trust.

What does VHA do?

- Owns apartments, homes acrossClark County
- Develops affordable housing
- Runs rental assistance programs
- Creates local programs to improve self-sufficiency
- Owns homeless shelters

How do we do it?

- Rent/lease revenue
- HUD operating grants
- Management fee income
- Other grants, revenue



 VHA & COLUMBIA NONPROFIT HOUSING PROPERTIES IN CAMAS

CAMAS RIDGE APARTMENTS



	Studio	I Bedroom	2 Bedroom	3 Bedroom	4 Bedroom					
Units		15	20	16						
50% of the units are restricted to households below 80% AMI										

Crown Villa Apartments

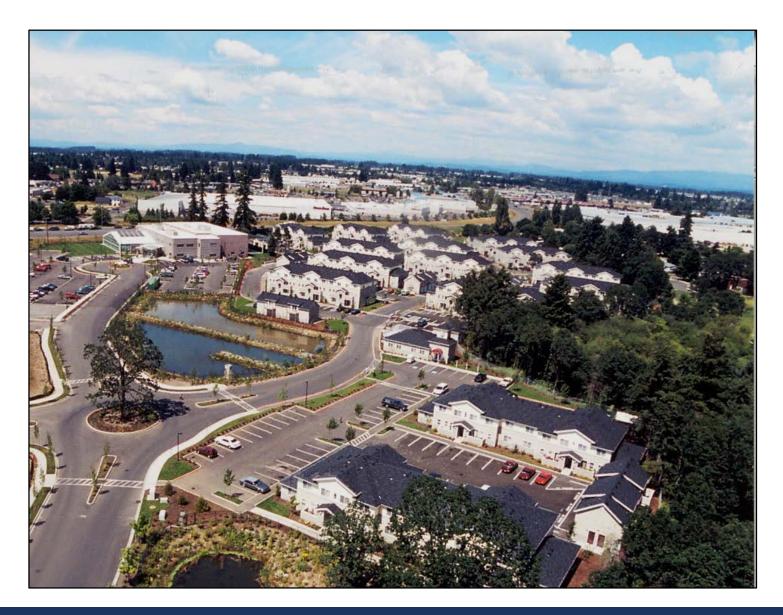


Nineteen (19) One-bedroom apartment complex located in Camas, WA for seniors 62+ years. Amenities include a community room, laundry facilities, and secure building. Across the street from Crown Park.

VHA PROPERTIES IN REMAINDER OF THE COUNTY

(homeless & SENIOR Developments not included)

SPRINGBROOK VILLAGE



	Studio	I Bedroom	2 Bedroom	3 Bedroom	4 Bedroom
Units	46	28	178	36	8
50% d	of the un	its are restric	ted to house	holds below	80% AMI

FIRST STREET APARTMENTS



	Studio	I Bedroom	2 Bedroom	3 Bedroom	4 Bedroom
Units	12	42	72	26	N/A
					N/A
	75% of the	e units are restri remainde	cted to househo r market rate re		AMI

MILL CREEK APARTMENTS



	Studio	I Bedroom	2 Bedroom	3 Bedroom	4 Bedroom					
	Studio	I Bedroom	2 Bedroom	3 Bedroom	4 Bedroom					
Units		40	28	10						
100% c	100% of the units are restricted to households below 50% AMI – 50									

100% of the units are restricted to households below 50% AMI – 50 units designated for seniors

ESTHER SHORT COMMONS



	Studio	I Bedroom	2 Bedroom	3 Bedroom	4 Bedroom
Units		95	62	3	
Waitlist		37	17	35	

I% of the units are restricted to households below 80% AMI – 86% below 60% AMI – I3% market rate rents

ANTHEM PARK APARTMENTS



	Studio	I Bedroom	2 Bedroom	3 Bedroom	4 Bedroom
Units		46	12		
100% o	f the uni	ts are restric	cted to house	eholds belov	w 60% AMI

ORCHARD GLEN APARTMENTS



	Studio	I Bedroom	2 Bedroom	3 Bedroom	4 Bedroom						
Units		12	52	12	4						
	100% of the units restricted to households below 60% AMI										

PLUM MEADOWS



	Studio	I Bedroom	2 Bedroom	3 Bedroom	4 Bedroom						
Units	16	36	78	32							
100% of the units restricted to households below 60% AMI											

WEAVER CREEK COMMONS (Opening – Summer 2025)



Units 70%	Studio I Bedroom		2 Bedroom
Units	35	32	13
	of the units restricted to of the units restricted to		

FOURTH PLAIN COMMONS – (Opening Spring 2023)



	Studio	I Bedroom	I Bedroom 2 Bedroom		4 Bedroom
Units	nits 29		44 20		
	% of the unit				

AFFORDABLE HOUSING

Clark County FY22 Fair Market Rents Clark County median income is \$106,500. The table below provides income by household size and percentage of median. **The WA minimum wage rate is \$14.49/hr. or \$30,139/yr.** The affordable rent is based on 30% of the household income if the 30% was spent on rent only.

Unit Size SRO **Studio Fair Market Rent** 1062 1416 1512 1735 2451 2903 3338 3774 **Household Size** 1 2 3 5 6 7 8 80% of Median 59,650 68,200 76,700 85,200 98,850 112,500 92,050 105,650 **Moderate Income** What is affordable 1491 1705 1918 2130 2301 2471 2641 2812 rent? 2 3 Largest unit they can Studio 1 2 2 3 afford 60% of Median 44,760 51,120 57,540 63,900 69,060 74,160 79,260 84,360 **Low Income** What is affordable 1119 1278 1439 1598 1727 1854 1982 2109 rent? Largest unit they can 2 2 SRO SRO Studio afford 50% of Median 37,300 47,950 53,250 57,550 61,800 66,050 70,300 42,600 **Very Low Income** What is affordable 933 1065 1199 1331 1439 1545 1657 1758 rent? Largest unit they can SRO SRO SRO Studio 2 None 1 1 afford 30% of Median 22,400 25,600 28,800 31,950 34,550 37,190 41,910 46,630 **Extremely Low** Income 640 What is affordable 720 864 1048 560 799 930 1166 rent? Largest unit they can SRO None None None None None None None afford

50% of households renting in Clark County are rent burdened

CLARK COUNTY LIHTC- RENT LIMITS EFFECTIVE 4/18/22

Set-aside	Studio		I-Be	droom	2-Be	edroom	3-Be	edroom	4-Be	droom	5-Be	droom
Percentage												
20%	\$	373	\$	399	\$	479	\$	554	\$	618	\$	681
30%	\$	559	\$	599	\$	719	\$	83 I	\$	927	\$	1,022
35%	\$	652	\$	699	\$	839	\$	969	\$	1,081	\$	1,193
40%	\$	746	\$	799	\$	959	\$	1,108	\$	1,236	\$	1,363
45%	\$	839	\$	898	\$	1,078	\$	1,246	\$	1,390	\$	1,533
50%	\$	932	\$	998	\$	1,198	\$	1,385	\$	1,545	\$	1,704
60%	\$	1,119	\$	1,198	\$	1,438	\$	1,662	\$	1,854	\$	2,045
70%	\$	1,305	\$	1,398	\$	1,678	\$	1,939	\$	2,163	\$	2,386
80%	\$	1,492	\$	1,598	\$	1,918	\$	2,216	\$	2,472	\$	2,727

Unit Size	SRO	Studio	1	2	3	4	5	6
50% of Median Very Low Income	37,300	42,600	47,950	53,250	57,550	61,800	66,050	70,300
What is affordable rent?	933	1065	1199	1331	1439	1545	1657	1758
Largest unit they can afford	None	SRO	SRO	SRO	Studio	1	1	2

FUTURE DEVELOPMENT IN WASHOUGAL



QUESTIONS

AFFORDABLE HOUSING

Clark County FY22 Fair Market Rents Clark County median income is \$106,500. The table below provides income by household size and percentage of median. The WA minimum wage rate is \$14.49/hr. or \$30,139/yr. The affordable rent is based on 30% of the household income if the 30% was spent on rent only.

Unit Size SRO Studio Fair Market Rent 1062 1416 1512 1735 2451 2903 3338 3774 **Household Size** 1 2 4 5 6 8 80% of Median 59,650 68,200 76,700 85,200 92,050 98,850 105,650 112,500 Moderate Income What is affordable 1491 1705 1918 2130 2301 2471 2641 2812 rent? Largest unit they can Studio afford 60% of Median 44,760 51,120 57,540 63,900 69,060 74,160 79,260 84,360 Low Income What is affordable 1119 1278 1439 1598 1727 1854 1982 2109 rent? Largest unit they can SRO SRO Studio afford 50% of Median 37,300 42,600 47,950 53,250 57,550 61,800 66,050 70,300 Very Low Income What is affordable 933 1065 1439 1545 1657 1199 1331 1758 rent? Largest unit they can SRO SRO SRO Studio 2 None 1 afford 30% of Median 34,550 22,400 25,600 28,800 31,950 37,190 41,910 46,630 **Extremely Low Income** What is affordable 560 864 930 640 720 799 1048 1166 rent? Largest unit they can SRO None None None None None None None afford

50% of households renting in Clark County are rent burdened

Unit Size	SRO	Studio	1	2	3	4	5	6
50% of Median Very Low Income	37,300	42,600	47,950	53,250	57,550	61,800	66,050	70,300
What is affordable rent?	933	1065	1199	1331	1439	1545	1657	1758
Largest unit they can afford	None	SRO	SRO	SRO	Studio	1	1	2

Clark County LIHTC- Rent Limits

Effective 4/18/22

Set-aside Percentage	Studio		1-Bedroom		2-Be	2-Bedroom		3-Bedroom		droom	5-Be	edroom
20%	\$	373	\$	399	\$	479	\$	554	\$	618	\$	681
30%	\$	559	\$	599	\$	719	\$	831	\$	927	\$	1,022
35%	\$	652	\$	699	\$	839	\$	969	\$	1,081	\$	1,193
40%	\$	746	\$	799	\$	959	\$	1,108	\$	1,236	\$	1,363
45%	\$	839	\$	898	\$	1,078	\$	1,246	\$	1,390	\$	1,533
50%	\$	932	\$	998	\$	1,198	\$	1,385	\$	1,545	\$	1,704
60%	\$	1,119	\$	1,198	\$	1,438	\$	1,662	\$	1,854	\$	2,045
70%	\$	1,305	\$	1,398	\$	1,678	\$	1,939	\$	2,163	\$	2,386
80%	\$	1,492	\$	1,598	\$	1,918	\$	2,216	\$	2,472	\$	2,727



Staff Report

September 16, 2022 Council Workshop Meeting

WWTP Blower and HVAC Design Improvement Presenter: Rob Charles, Utilities Manager

Time Estimate: 5 minutes

Phone	Email
360.817.7003	rcharles@cityofcamas.us

BACKGROUND: The existing blowers and HVAC systems in the process building at the City's Wastewater Treatment Plant (WWTP) are recommended to be upgraded as part of previous technical studies and the draft General Sewer Plan. The upgrades provide more reliability of equipment in this building.

SUMMARY: The scope of services from HDR, Inc. includes design services for electrical and instrumentation upgrades for the blowers and design of an HVAC system in the electrical room as there is currently no cooling ventilation in this room. HVAC upgrades to the blower room will be designed and the remaining building HVAC improvements will be documented in a technical memo.



Figure 1: Blower Room



Figure 2 Electrical Room

EQUITY CONSIDERATIONS:

What are the desired results and outcomes for this agenda item? More efficient blower operations, upgraded electrical components to provide better reliability and parts replacement, and better conditioning of the space for critical electrical and mechanical equipment.

What's the data? What does the data tell us? Both the blower systems and HCAV systems are not operating at their peak efficiencies.

How have communities been engaged? Are there opportunities to expand engagement? N/A

Who will benefit from, or be burdened by this agenda item? WWTP staff spending less time maintaining controls and equipment.

What are the strategies to mitigate any unintended consequences? None identified.

Does this agenda item have a differential impact on underserved populations, people living with disabilities, and/or communities of color? Please provide available data to illustrate this impact. *No*.

Will this agenda item improve ADA accessibilities for people with disabilities? No.

What potential hurdles exists in implementing this proposal (include both operational and political)? *None known*.

How will you ensure accountabilities, communicate, and evaluate results? *Milestone check ins with the consultant during design to ensure that the project goals are being met.*

How does this item support a comprehensive plan goal, policy or other adopted resolution? Supports the General Sewer Plan and meets the requirements of the city's NPDES wastewater discharge permit.

BUDGET IMPACT: This item will be funded out of the WWTP's Repair and Replacement fund which has sufficient funds to cover these costs.

RECOMMENDATION: This item is for Council's information only. Staff recommends this item be placed on the September 19, 2022 Council Regular Meeting Agenda for Council's consideration.



CITY OF CAMAS PROFESSIONAL SERVICES AGREEMENT Task Order No. 2

616 NE 4th Avenue Camas, WA 98607

Project No. S1034

On-Call Professional Services Support for Wastewater Treatment Plant 2021-2026

WWTP BLOWER SYSTEM IMPROVEMENTS

THIS AMENDMENT ("Amendment") to Professional Services Agreement is made as of the 25th day of August, 2022, and between the **City of Camas**, a municipal corporation, hereinafter referred to as "the City", and **HDR Engineering, Inc.,** hereinafter referred to as the "Consultant", in consideration of the mutual benefits, terms, and conditions hereinafter specified. The City and Consultant may herinafter be referred to collectively as the "Parties."

The Parties entered into an Original Agreement dated April 4, 2022, by which Consultant provides professional services in support of the Project identified above. Except as amended herein, the Original Agreement shall remain in full force and effect.

_		
1.	of Services	ervices. Consultant agrees to perform services as identified in the attached Exhibit (Scope attached hereto, including the provision of all labor, materials, equipment, supplies and for an amount not-to-exceed \$159,804.
	a.	☐ Unchanged from Original/Previous Contract
2.		<u>reformance</u> . Consultant shall perform all services and provide all work product required this Amendment by:
	a.	Extended to XXX, 20XX.
	b.	☐ Unchanged from Original/Previous Contract date of December 31, 2026
		Dependent on extension of time as granted in writing by the City, or the Agreement is terminated by the City in accordance with Section 3 of the Original Agreement.
3.	proposes to	Based on the Scope of Services and assumptions noted in attached Exhibit A. Consultant o be compensated on a time and material basis per attached exhibit (Costs for Scope of with a total estimated not to exceed fee of:
	a.	Previous Total of all approved Task Orders: \$25,000
	b.	Task Order No. 2 \$ <u>159,804</u>
	c.	Total of all approved Task Orders: \$184,804
	d.	Consultant billing rates:
		Modification to Consultant Billing Rates attached herein
		Unchanged from Original Contract

Print Name:

Title:

•	may be executed in a ute the entire Agreement	iny number of counter-parts, which counterparts t.	shall
DATED this	day of	, 20	
CITY OF CAMAS:		HDR ENGINEERING, INC.: Authorized Representative	
Ву:		By: Tray Ellwin	
		Tracy Ellwein	

Print Name:

Title:____Vice President

8/25/2022

Date: _____

4. <u>Counterparts</u>. Each individual executing this Agreement on behalf of the City and Consultant represents and warrants that such individual is duly authorized to execute and deliver this Agreement.

TASK ORDER #2 HDR Engineering, Inc.

Item 3.

EXHIBIT A SCOPE OF SERVICES AND RELATED COSTS



Task Order No. 2

WWTP Blower System Improvements

August 2022

HDR Engineering, Inc. (HDR) is pleased to provide this scope of work for the City of Camas (City) Wastewater Treatment Plant (WWTP) on-call contract for engineering services. The intent of this task order is to implement the recommendations from the WWTP Blower System Diagnostics Study (March 2022).

SCOPE OF WORK

TASK 2 BLOWER SYSTEM IMPROVEMENTS

2.1 Project Management and Administration

HDR will manage the project scope, schedule, and budget. HDR will perform project management responsibilities including staff and deliverable management, client coordination, scheduling, project setup, accounting and invoicing, and internal team coordination. A project kickoff meeting will be scheduled following NTP including five representatives from HDR.

ASSUMPTIONS

- Project duration is estimated to be 6 months from Notice to Proceed (NTP). A more detailed schedule will be prepared following NTP.
- Task Order general assumptions are as follows:
 - o Memorandums will be electronically submitted in PDF format.
 - Except for site visits and as otherwise noted, meetings will be conducted virtually through Webex and facilitated by HDR. If the City prefers a different virtual meeting platform, the City may arrange the meeting in coordination with HDR.
 - The City will provide applicable background documents as needed.
 - The general intent of this scope of services is to improve the blower system operations, however, performance results after completion are unknown. Additional troubleshooting or improvements beyond the scope of this task order may be required.

DELIVERABLES

- Monthly progress reports, invoices, and budget updates (approx. 6)
- Project schedule
- Kickoff meeting notes

2.2 Immediate Actions Support

HDR will support the City in completion of the Immediate Action recommendations. These items include:



- Development of scope items for Schneider Electric for service of the existing blower VFDs including adjustment to current settings, cleaning inside the panels, and replacing filters.
- 2. Support the City in contracting with Schneider Electric to complete the service.

ASSUMPTIONS

- A virtual review meeting will be held with three HDR staff: Project Manager, Engineer II, Sr. Electrical Engineer, and Engineer V. The Draft scope items (approximately 2 pages) will be provided prior to the review meeting. The Final scope items will incorporate the review meeting notes.
- City will contract directly with Schneider Electric to complete service items.

DELIVERABLES

Service scope for Schneider Electric for VFDs.

2.3 Electrical and Instrumentation Improvements

The blower study identified specific electrical and instrumentation improvements needed for improved system operation and control. HDR will:

- Design a blower discharge header singular pressure indicating transmitter (PIT). This
 includes specifying new pressure instrumentation and design of conduit and wiring
 modifications.
- 2. Develop design to integrate the existing thermistors to provide high temperature protection of the blower motors.
- 3. Develop design to integrate the existing motor space heaters to help protect the motors from condensation, which may result in corrosion.
- 4. Design replacement of the existing broadband filters with active harmonic filters.

ASSUMPTIONS

- HDR to develop technical exhibits and specifications of improvements to be used as scope of work for contractor installation. Assumes development of 3 drawings completed in AutoCAD (2D).
- City responsible for contract and hiring of contractor/electrician to complete the work.

DELIVERABLES

Draft and Final exhibits and specifications of improvements.

2.4 Programming Modifications and Troubleshooting

The blower system controls programming requires modification to improve operations and reliability. Independent blower and pressure control, without a common header pressure, has created challenges with blower control stability. This effort will include the following:

1. Modify blower controls to have single header pressure control designed as part of Task 2.3.



- 2. Online observation of existing blower controls to further identify potential programming improvements.
- Review and adjust blower timers and limits as needed to improve blower start up and shut down sequence. If possible, troubleshoot to allow for two blowers to operate simultaneously. If not possible, identify improvements needed to achieve this operating condition.
- 4. Identify possible air piping system header piping blockages or pipe size limitations by desk topic model using AFT Arrow.
- 5. After implementation of programming modifications, review 14 days of operational data of blower header pressures at different flow rates (low, medium, and high flow rate). A 2-page technical memorandum (TM) will be provided summarizing analysis of data and recommendations for next steps in troubleshooting, if needed.

ASSUMPTIONS

- Field work effort assumes three HDR staff (two Engineer II and Engineer V) on site for five days and two half-days for travel, and one HDR staff (Sr. Electrical Engineer) on site for two days.
- AFT Arrow modeling effort assumed to 20 hours of HDR Engineer II with focused effort
 on identifying if there is any blockage in the main distribution header. A 1- page summary
 of effort will be provided as an appendix item in the TM.
- City to collect operational data and provide in Excel format for HDR review.
- City responsible for contract and hiring of contractor/electrician to complete the work.

DELIVERABLES

- Summary of field notes.
- Redlined loop drawings documenting implemented changes, as needed. Included as an appendix item in the TM.
- Data Analysis TM.

2.5 HVAC Improvements Preliminary Design

The blower and electrical rooms of the Equipment Building require HVAC improvements. A preliminary design effort will review options for ventilation replacement of the blower room, and cooling and pressurization of the electrical room. A TM will summarize the analysis and provide recommendations for design. Evaluation will include a conceptual level opinion of probable construction costs (OPCC) Class 4.

As part of the effort, a field visit and HVAC condition assessment for all rooms within the Equipment Building will be completed. A summary of the condition of the generator, primary sludge degritting, office, biofilter fan, and centrifuge rooms will be provided. The recommended preliminary design of improvements will be limited to the blower and electrical rooms.

ASSUMPTIONS

1-day Site visit, including roof access for review of fans by one HDR staff (Engineer IV).



- TM (anticipated 4-6 pages) will summarize electrical and blower room HVAC analysis
 with potential impacts to building electrical and structural components. TM will also
 include the condition summary of the other remaining rooms within the Equipment
 Building.
- Virtual review meeting with two HDR staff (Project Manager, Engineer IV).

DELIVERABLES

- Draft and Final HVAC Preliminary Design TM
- Scope and budget for final design of the recommended improvements

Level of Effor	rt.	HDR Engineering																		
Level of Ellor				I				I	T	IIDK EI	iginicering			<u> </u>						
City of Camas, Washington - Camas TO2 WWTP Blower Improvements		Principal In Charge	Project Manager	Sr. Mechanical	Engineer II	Sr. Electrical Engineer	Engineer V \$260.00	Engineer IV	<u>н</u> ы \$130.00	Engineer V	Project Technician III	Project Technician IV	Engineer II	CAD Technician	Hours	Labor	Travel	Total Expenses	HDR Fee	Total Fee (includes sub-consultant mark-up and escalation)
	Task Description	,				, , , , , , ,	,						,	, , , , , ,						
Task 002.1	Project Management and Admin.																			
	Project Management		12					T T							12	\$ 3,180		\$ -	\$ 3,180	\$ 3,260
	Project Setup		2								4	2			8	\$ 1,550		\$ -	\$ 1,550	
	Monthly Invoicing		6									18			24			\$ -	\$ 5,010	
	Project Closeout		1								4	3				\$ 1,475	1	\$ -	\$ 1,475	\$ 1,512
	Client Coordination	6	6 4												10		1	\$ -	\$ 2,710	
	Team Coordination	6	16		8	8	8	8 8			8				62		1	\$ -	\$ 14,290	
	Kick Off Meeting		2		2	1	1	1							7	\$ 1,580		\$ -	\$ 1,580	\$ 1,620
	Sub-total Sub-total	12	43	0	10	9	9	9	0	0	16	23	0	0	131		\$ -	\$ -	\$ 29,795	\$ 30,540
Task 002.2	Immediate Actions Support												<u>I</u>			· · ·			,	,
	Schneider Electric VFD Service Scope Development &							T T												
	Coordination Support		1		8	8	4	.l l			2				23	\$ 4,985		\$ -	\$ 4,985	\$ 5,110
	Review meeting		2		2	2	1								7	\$ 1,630		\$ -	\$ 1,630	\$ 1,671
	QC Hours Only			4											4	\$ 1,260		\$ -	\$ 1,260	\$ 1,292
	Sub-total	0	3	4	10	10	5	0	0	0	2	0	0	0	34	\$ 7,875	\$ -	\$ -	\$ 7,875	
Task 002.3	Electrical and Instrumentation Improvements																			
	Spec Development & Conduit/Wiring Mod Design		4		32	56	16	i			8			30	146	\$ 28,880	\$ 2,175	\$ 2,175	\$ 31,055	\$ 31,777
	QC Hours Only			10											10			\$ -	\$ 3,150	\$ 3,229
	Sub-total Sub-total	0	4	10	32	56	16	0	0	0	8	0	0	30	156		\$ 2,175	\$ 2,175	\$ 34,205	\$ 35,006
Task 002.4	Programming Modifications and Troubleshooting		1			,		•					ļ	,						
	Prepare for field work		4		8	8	8	В	24						52	\$ 9,620		\$ -	\$ 9,620	\$ 9,861
	Field work				40	16	48	3	48						152	\$ 29,280	\$ 3,475	\$ 3,475		
	Summarize field work activities				2	1	1		4		2				10			\$ -	\$ 1,680	\$ 1,722
	Data Review and Analysis of System Performance TM		1		20	2	12	2	8		2				45		1	\$ -	\$ 8,465	\$ 8,677
	Air Header Modeling		1		20		4		-						25		1	\$ -	\$ 4,505	\$ 4,618
	QC Hours Only			8											8		1	\$ -	\$ 2,520	\$ 2,583
	Sub-total Sub-total	0	6	8	90	27	73	0	84	0	4	0	0	0	292		\$ 3,475	\$ 3,475	\$ 59,545	\$ 60,947
Task 002.5	HVAC Improvements Pre-Design															, -				,
	Site vist and as-built verification		1					8							9	\$ 1,945	\$ 25	\$ 25	\$ 1,970	\$ 2,019
	Draft TM		1		16	8		40			4		4		73			\$ -	\$ 14,585	
	Virtual review meeting		2					4							6			\$ -	\$ 1,370	
	Final TM		1		4	2		4			2		2		15			\$ -	\$ 2,905	
	Develop Design Phase Scope and Budget	2	. 2					1							5			\$ -	\$ 1,290	
	QC Hours Only			3						6					9			\$ -	\$ 2,505	\$ 2,568
	Sub-total	2	. 7	3	20	10	0	57	0	6	6	0	6	0	117			\$ 25		
	Hours	14	63	25	162				84	6	36	23	6	30		·				·
	Fee		\$16,695		\$25,920			\$13,860		\$1,560	\$5,760	\$4,370				\$ 150,370	\$ 5,675	\$ 5,675	\$ 156,045	
	Escalation	, , , , ,	,	. ,	,	,		, ,		,,,,,,,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , , ,	. , , , ,		\$ 3,759				
	Total																			\$ 159,804