

# **Willamette Water Supply System Commission**

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**Board Meeting**  
**Thursday, April 7, 2022**  
**12:00 PM**

**Microsoft Teams Meeting**

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**Willamette Water Supply System Commission**  
**Board Meeting Agenda**  
**Thursday, April 7, 2022 | 12:00 – 1:30 PM**  
**Microsoft Teams Meeting**

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If you wish to attend via conference call and need dial-in information, please contact [annette.rehms@tvwd.org](mailto:annette.rehms@tvwd.org) or call 971-222-5957 by 10:00 a.m. on April 7, 2022. If you wish to address the WWSS Board, please request the Public Comment Form and return it 48 hours prior to the day of the meeting. **All testimony is electronically recorded.**

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**EXECUTIVE SESSION – 11:30 AM**

*An executive session of the Board is called under ORS 192.660(2)(f) to consider information or records that are exempt by law from public inspection, ORS 192.660(2)(h) to consult with counsel concerning the legal rights and duties of a public body with regard to current litigation or litigation likely to be filed and ORS 192.660(2)(e) to conduct deliberations with persons designated by the governing body to negotiate real property transactions.*

**REGULAR SESSION – 12:00 PM**

**CALL TO ORDER**

**1. GENERAL MANAGER'S REPORT – Dave Kraska**

*Brief presentation on current activities relative to the WWSS Commission*

**2. PUBLIC COMMENT**

*This time is set aside for persons wishing to address the Board on items on the Consent Agenda, as well as matters not on the agenda. Additional public comment will be invited on agenda items as they are presented. Each person is limited to five minutes unless an extension is granted by the Board. Should three or more people testify on the same topic, each person will be limited to three minutes.*

**3. CONSENT AGENDA**

*These items are considered to be routine and may be approved in one motion without separate discussion. Any Board member may request that an item be removed by motion for discussion and separate action. Any items requested to be removed from the Consent Agenda for separate discussion will be considered immediately after the Board has approved those items which do not require discussion.*

- A. Approve the March 3, 2022 meeting minutes

**4. BUSINESS AGENDA**

- A. Approve Permitting Services Contract Amendment – *Christina Walter*
- B. Adopt by Motion a Tree Donation Acknowledgement Form – *Christina Walter*

**5. INFORMATION ITEMS**

- A. Planned May Business Agenda items – *Joelle Bennett*
- B. The next Board Meeting is scheduled on May 5, 2022, via Microsoft Teams

**6. COMMUNICATIONS AND NON-AGENDA ITEMS**

- A. None scheduled

**ADJOURNMENT**

# Willamette Water Supply System Commission

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## GENERAL MANAGER'S REPORT

**To:** WWSS Board of Commissioners  
**From:** David Kraska, P.E., WWSS General Manager  
**Date:** April 7, 2022  
**Subject:** Willamette Water Supply System General Manager's Report

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This report provides an overview of some of the current Willamette Water Supply System (WWSS) work efforts under the direction of this Commission, beginning with a Safety Minute presentation.

- 1. Permitting and Communications Updates** – The Willamette Water Supply Program (WWSP) permitting efforts remain very active. Attached to this General Manager's Report is a tabulation of the permits and approvals recently granted, and the status of those currently in process.

A few Permitting Team highlights include:

- Several permits have been obtained for the Reservoir (RES\_1.0) project including the Washington County Right of Way Utility Permit, Washington County Permanent Access Right of Way Permits, and the Tualatin Valley Fire & Rescue Blasting Permit. Additionally, the Oregon Health Authority (OHA) completed its plan review returning the comment that split leaf hatches are not permitted on the reservoir roof. Staff are seeking a waiver of this condition by providing additional information to OHA that proves how the design is consistent with OHA's requirements.

The Communications Team's outreach this month focused on pre-construction notifications:

- In advance of Pipeline Main (PLM)\_5.3 construction in mid-April, staff have been working closely with property owners along the route to provide pre-construction condition assessments of their properties and drinking water wells. Fifteen property owners have requested assessments of their wells, which have now been scheduled for the week of April 11. Staff also hosted a virtual "Meet the Contractor" event on March 11 during which residents were provided a brief presentation about the PLM\_5.3 project and construction timeline, followed by a question-and-answer session with representatives from the construction contractor (Hoffman-Fowler) and project engineers.
- 2. Design Status Updates** – The final pipeline project was bid this week, bringing WWSP pipeline design activities to a close. Since design work on all above-ground facilities was completed months ago, this also marks the completion of all design work for the WWSP.

**3. Construction Status Updates** – Attached to this General Manager's Report is a tabulation of the projects in construction and their status. A few highlights include:

- Completed all Phase 1 work at the RWF\_1.0 Project
- Completed all 66-inch waterline on the PLW\_1.3 Project and began preparations for testing and disinfection
- Completed the second and third tunnels (out of seven) on the MPE\_1.2 project near Hwy 217 and began the fourth tunnel. Continued open cut installation of the 16-inch Beaverton waterline and the 48-inch WWSP waterline
- Completed all tree clearing at the WTP\_1.0 site

**4. Steel Market Exposure Update** – Steel market pricing rose significantly the last few weeks of Q1 2022. The Russian invasion of Ukraine is believed to be a contributing factor on commodity pricing. Pricing for hot rolled band, the material used to fabricate WWSS transmission pipe, is up 20 percent from last month. Price volatility may impact production rates and lead times. Program staff are working with our construction contractors to mitigate possible delays to our construction projects. Staff are continuing to monitor the steel market and are not recommending a change in construction procurement plans and strategies at this time.

**Willamette Water Supply Program Permits and Approvals – Recent Actions and Status**

Date of Report: March 24, 2022

**Permits and Approvals Recently Granted**

Agency	Projects Involved	Permit or Approval Granted
WCLUT	RES_1.0 and PLM_5.3	Permanent Access ROW permits (remaining 4 of 9)
WCLUT	RES_1.0	ROW Utility Permit
OHA	RES_1.0	Plan Review
TVF&R	RES_1.0	Blasting Permit
WCLUT	PLM_5.3	Temporary ROW Access Permits to Grabhorn, Riggs and Farmington Staging Areas
City of Sherwood	PLM_4.1	Temporary Land Use (Staging Area)
WCLUT	MPE_1.2	Utility ROW amendment (Oleson Road work)

**Permit Applications Submitted**

Agency	Projects Involved	Permit Applications Submitted
WCLUT	PLM_1.3	ROW Utility Permit
DEQ	PLM_1.3	1200-C
WCLUT	PLM_4.3	Retaining Wall Permit
CWS	PLM_4.3	SPL Amendment
City of Sherwood	PLM_4.3	Engineering Permit

**Permits and Approvals in Progress**

Agency	Projects Involved	Permit or Approval in Progress
City of Hillsboro	PLW_2.1	Land Use Applications for Orenco Woods Nature Park
City of Wilsonville	PLM_1.3	Landscape plan modifications
City of Wilsonville	PLM_1.3	Erosion and Sediment Control and Public Works Permits
DEQ	MPE_1.3	1200-C
City of Tigard	MPE_1.3	Public Facility Infrastructure permit

**Anticipated Approvals**

Agency	Projects Involved	Permit or Approval Anticipated
WCLUT	MPE_1.2	Grading Permit
Pacific NW Railroad	MPE_1.2	Right of Entry/Crossing permits
City of Sherwood	WTP_1.0	Building, Engineering, Plumbing, and Mechanical Permits
WCLUT	PLM_5.3	Utility ROW Permit
DEQ	RES_1.0/PLM_5.3	1200-C
WCLUT	RES_1.0/PLM_5.3	Grading Permit
BPA	MPE_1.3 and PLW_2.2	Land use agreements

**Willamette Water Supply Program Projects Construction – Recent Status Update**

Date of Report: March 24, 2022

Project	Description	Progress Since Last Month
1. RWF_1.0	Raw Water Facilities project located at the Willamette River Water Treatment Plant	<ul style="list-style-type: none"> <li>- Air receiver tanks and piping at raw water pump station</li> <li>- Final pressure testing of compressed air system</li> <li>- Landscaping punch-list and final cleanup in park</li> <li>- Completing new landscape irrigation system</li> <li>- Administrative closeout work</li> </ul>
2. PLM_4.1	Finished water pipeline project being completed in partnership with Washington County's Highway 99 Crossing Pipeline and Tualatin Sherwood Road – Langer Farms Parkway to Borchers Drive	<ul style="list-style-type: none"> <li>- Utility relocations</li> <li>- Storm drain installation</li> <li>- Road widening on Roy Rogers Rd. west of Hwy 99</li> <li>- Road widening on Tualatin-Sherwood Rd.</li> <li>- WWSP submittals and RFIs</li> </ul>
3. PLM_5.1	Finished water pipeline project being completed in partnership with Washington County's Roy Rogers Road project	<ul style="list-style-type: none"> <li>- Administrative closeout</li> </ul>
4. PLW_1.3	Finished water pipeline project in South Hillsboro from SW Farmington Road to SE Blanton Street	<ul style="list-style-type: none"> <li>- All 66-inch pipe installed</li> <li>- Disinfection and pressure testing</li> <li>- Butternut Creek turnout vaults and piping</li> <li>- Farmington turnout vaults and piping</li> </ul>
5. MPE_1.1/ COB_1.1	Finished water pipeline project being completed in partnership with the City of Beaverton's SW Western Avenue project	<ul style="list-style-type: none"> <li>- 48-inch WWSP waterline installation: 500 linear feet installed (13%)</li> <li>- Temporary road closure at Arctic Dr.</li> </ul>
6. MPE_1.2/ COB_1.2	Finished water pipeline project in Beaverton from SW Scholls Ferry Road at Greenway to SW Allen Boulevard at Western Avenue	<ul style="list-style-type: none"> <li>- Completed tunnel under Scholls Ferry Rd. with 60-inch casing for 48-inch WWSP waterline (Tunnel #3)</li> <li>- Began carrier pipe installation and annular space grouting in Tunnel #3</li> <li>- Completed 30-inch tunnel under Hwy 217 for 16-inch COB waterline</li> <li>- Constructed shafts for 30-inch tunnel under railroad at Scholls Ferry Rd.</li> <li>- Continued 16-inch COB open cut waterline on Cascade Ave.</li> <li>- Began 48-inch open cut waterline (night work) on Scholls Ferry Rd. between Hwy 217 and Hall Blvd.</li> <li>- Completed Hwy 217 northbound offramp (weekend closure)</li> </ul>
7. RES_1.0/ PLM_5.3	15-million-gallon finished water storage tank on Cooper Mountain and finished water pipeline project from SW Grabhorn Road at Tile Flat Road to SW Rosedale Road at future Cornelius Pass Road	<ul style="list-style-type: none"> <li>- Continuing tree and brush clearing on pipeline alignment where easements are secured</li> <li>- Surveying</li> <li>- Erosion and sediment control fence installation</li> <li>- Construction of access road from Rosedale Rd. to north end of 66-inch waterline alignment</li> </ul>



**Willamette Water Supply**  
*Our Reliable Water*

Safety Minute: Spring Cleaning

April 7, 2022

1

Spring Cleaning

Ready to tackle spring cleaning?

Household cleaners can pose hazards if not used correctly.



2

## Spring Cleaning

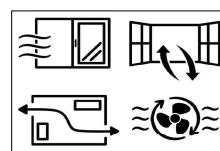
Here are tips to stay safe when using these types of products:

- Always read the label before using a product that may be poisonous
- Keep cleaning products in their original bottles or containers



## Spring Cleaning

- Never mix household products together.  
*For example, mixing bleach and ammonia can create toxic gases*
- Wear appropriate protective clothing
- Turn on the fan or open windows when using household cleaners





Willamette Water Supply  
*Our Reliable Water*

# Willamette Water Supply System Commission

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**Willamette Water Supply System Commission  
Board Meeting Minutes  
Thursday, March 3, 2022**

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**Attendance:**

**Commissioners present:**

City of Beaverton	Marc San Soucie
City of Hillsboro	David Judah
Tualatin Valley Water District (TVWD)	Jim Duggan

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**Committee Members present:**

City of Beaverton	Chad Lynn, David Winship
City of Hillsboro	Niki Iverson, Lee Lindsey, Jessica Dorsey
TVWD	Tom Hickmann

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**Managing Agency Staff present:**

WWSS Commission General Manager / Willamette Water Supply Program (WWSP) Director	Dave Kraska
WWSP Assistant Director	Joelle Bennett
WWSP Program Manager	Jeremy Taylor
WWSP Engineering and Construction Manager	Mike Britch
WWSP Permitting and Outreach Manager	Christina Walter
WWSP Finance Manager	Toby LaFrance
WWSS Commission Recorder / WWSP Executive Assistant	Annette Rehms

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**Other Attendees present:**

City of Beaverton Assistant Finance Director	Susan Cole
TVWD Asset Management Division Manager	Matt Oglesby
TVWD Water Resources Division Manager	Joel Cary
TVWD Engineering Division Manager	Nick Augustus

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**REGULAR SESSION – 12:00 PM**

**CALL TO ORDER**

Vice Chair Duggan called the regular Willamette Water Supply System (WWSS) Commission meeting to order at 12:00 p.m.

**ROLL CALL**

Ms. Rehms administered the roll call and noted attendance.

**1. GENERAL MANAGER'S REPORT**

Mr. Kraska presented a safety minute on protecting yourself against online scams (*presentation on file*).

The General Manager’s report included Willamette Water Supply Program (WWSP) permitting and communications; design; construction; and steel market exposure updates.

## 2. PUBLIC COMMENT

There were no public comments.

## 3. CONSENT AGENDA

- A. Approve the February 3, 2022, meeting minutes
- B. Approve the February 17, 2022, meeting minutes

Motion was made by San Soucie seconded by Judah to approve the Consent Agenda as presented. The motion passed unanimously with San Soucie, Duggan, and Judah voting in favor.

## 4. BUSINESS AGENDA

- A. Adopt Fiscal Year 2022-2023 Annual Work Plan and Budget and WWSP Capital Improvement Plan – *Toby LaFrance*

Mr. LaFrance presented an overview of the baseline development process, differences between WWSP contingency and management reserve, and finally the proposed Baseline 7.0, and the proposed Fiscal Year 2023 WWSS Annual Work Plan and Budget. He said that after publishing the agenda packet last week, WWSP staff realized that budget for the Water Supply Integration contract was missing from the WWSS annual budget for the work on behalf of the distribution system owners. The WWSS Finance Committee met on February 28, 2022 and is recommending adding \$200,000 to Materials and Services in the FY 2022-23 WWSS Budget to cover the Confluence contract. He explained that Baseline 7.0 has increased to \$1.6 billion as a result of current economic conditions. He then requested the Board to consider adopting FY 2022-23 WWSS Annual Work Plan and Budget and Baseline 7.0 as presented. *(presentation on file)*

Commissioners thanked staff for moving recent project cost reductions from advantageous bid results to Management Reserve in the proposed Baseline 7.0 budget.

Motion was made by Judah, seconded by San Soucie, to adopt Resolution No. WWSS 03-22 approving the Willamette Water Supply System (WWSS) Annual Work Plan and Budget for the fiscal year 2022-23 and approving the Willamette Water Supply Program (WWSP) Capital Improvement Plan (Baseline 7.0). The motion passed unanimously with San Soucie, Duggan, and Judah voting in favor.

- B. Approve PLM\_4.3 Contract for Construction – *Mike Britch*

Mr. Britch provided an overview of the PLM\_4.3 Pipeline project. He reviewed the low-bid construction procurement process, the bid results, and budget information indicating the proposed contract is approximately \$23.6M below the Baseline 7.0 early release budget in December 2021. He then requested the Board’s approval of Contract 2022-040 with Tapani, Inc. *(presentation on file)*

Commissioners thanked staff for the attention to detail required to develop and review these types of contracts and extended an apology to Tapani for mispronouncing the company name.

Motion was made by Judah, seconded by San Soucie, to approve Contact 2022-040 for \$47,667,346 with Tapani, Inc. for PLM\_4.3 Pipeline Construction for the Willamette Water Supply Program. The motion passed unanimously with San Soucie, Duggan, and Judah voting in favor.

- C. Approve Delegation of Authority for a Safe Drinking Water Revolving Loan Fund (SDWRLF) Funding Letter of Interest (LOI) – *Dave Kraska*

Mr. Kraska presented an overview of the Safe Drinking Water Revolving Loan Fund (SDWRLF) and said grant funding presents a potential opportunity to offset some of the Willamette Water Supply Program (WWSP) costs. He said in order to be considered for this grant, the LOI must be submitted by March 15, 2022, and asked the Board to consider approving the delegation of authority to TVWD to use its Water System Identification Number and submit an LOI on the Commission's behalf.

Motion was made by San Soucie, seconded by Judah to adopt Resolution No. WWSS 04-22 approving Delegation of Authority to the Tualatin Valley Water District to seek Safe Drinking Water Revolving Loan Fund (SDWRLF) Funding Letter of Interest (LOI). The motion passed unanimously with San Soucie, Duggan, and Judah voting in favor.

## 5. INFORMATION ITEMS

- A. Planned April Business Agenda Items – *Joelle Bennett*

Ms. Bennett presented information on business agenda items planned for the April 7, 2022, WWSS Commission Regular Board meeting.

Staff anticipates recommending approval of:

1. Sherwood Emergency Intertie Intergovernmental Agreement (IGA)
2. Permitting Services Contract Amendment

- B. The next Board meeting is scheduled on April 7, 2022, via Microsoft Teams.

## 6. COMMUNICATIONS AND NON-AGENDA ITEMS

- A. None scheduled.

## ADJOURNMENT

There being no further business, Vice Chair Duggan adjourned the meeting at 12:38 PM

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David Judah, Chair

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James Duggan, Vice Chair

# Willamette Water Supply System Commission

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## **STAFF REPORT**

**To:** WWSS Board of Commissioners

**From:** David Kraska, P.E., Willamette Water Supply System General Manager

**Date:** April 7, 2022

**Subject:** Permitting Services Contract Amendment with David Evans and Associates (DEA), Contract No. 2016-320 Amendment #34

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### **Requested Board Action:**

Consider approving an amendment to the David Evans and Associates, Inc. (DEA) Contract, Number 2016-320, in the amount of \$742,503.78 to continue regulatory permitting and related consulting services for the Willamette Water Supply Program (WWSP).

### **Key Concepts:**

- Implementation of WWSP requires assistance of consultants with expertise in environmental as well as land use permit application and compliance to provide experience in wetlands, cultural resources, hazardous materials assessments, and endangered species survey work needed to secure permits and support compliance
- The existing contract was procured and structured with the intent to enact periodic amendments to add scope and budget
- The proposed amendment enables WWSP to maintain continuity of permitting application/compliance services through April 9, 2023

### **Background:**

DEA was selected through a competitive process to provide the WWSP with professional permitting services. The permitting services contract was approved and awarded in October 2015, with an initial two-year scope of work and a total term of twelve years with the maximum possible extensions. The contract was recently amended with a no-cost time extension to April 9, 2022, to allow sufficient time to finalize this amendment and bring it to the WWSS Board for consideration at its April meeting.

To date, DEA has provided the following services for the WWSP:

- Notable accomplishments during the prior contract terms (2016-2021) include: Acquisition of system-wide permits from the US Army Corp of Engineers (USACE), Oregon Department of State Lands (DSL), and Oregon Department of Environmental Quality (DEQ); acquisition of land use and preconstruction permits across most work packages; and modifications to permits where needed
- Notable accomplishments in the current contract term (March 2021 through April 2022):
  - Coordination and submission of minor USACE/DSL permit modification bundles and acquisition and/or modification of land use and/or preconstruction permits for multiple projects: RWF\_1.0, PLM\_1.3, WTP\_1.0, PLM\_4.3, PLM\_5.3, RES\_1.0, PLW\_1.3, PLW\_2.0, MPE\_1.2, and MPE\_1.3

Permitting Services Contract Amendment with DEA, Contract No. 2016-320 Amendment #34

April 7, 2022

Page 2 of 2

- Provided technical support and documentation for analyses and negotiations with outside agencies in support of various activities including commissioning and startup, long-term operations, and easement acquisition
- Supported construction compliance for various work packages and providing annual reporting for various permits

Thus far the program has identified 479 permits needed for the construction of the WWSS. To date 328 permits (68%) have been secured. Continued support in permit acquisition and compliance are needed from DEA to maintain current design and construction schedules.

The scope of work for the next 12-month extension (April 10, 2022, through April 9, 2023) will include but is not limited to:

- Coordinating permit modification process
- Continuing preconstruction permit acquisitions
- Monitoring environmental compliance during construction
- Supporting Thermal Trading Plan implementation
- Preparing and implementing post-construction monitoring
- Conducting preconstruction site assessments and surveys
- Preparing and submitting 2022 annual reports to regulatory agencies
- Engaging with various stakeholders and regulatory agencies, as needed

#### Budget Impact:

The cost of Amendment #34 is \$742,503.78. These funds will be added to the approximately \$1,000,000 of remaining budget to cover the anticipated scope for the coming year. The value of the contract amendment is lower than prior years' amendments due to the deferred permitting work resulting from the resequencing of construction projects, which delayed the start of field monitoring phases for permitting compliance during construction. The following table summarizes the status of the total value of the DEA contract since its original execution:

<b>Initial Contract Value</b>	<b>\$ 589,896.00</b>
Amendments 1 through 33	\$ 9,245,985.57
<b>Current Contract Value</b>	<b>\$ 9,835,881.57</b>
Proposed Amendment 34	\$ 742,503.78
<i>TVWD estimated share<sup>1</sup></i> \$450,254.29	
<i>Hillsboro estimated share<sup>1</sup></i> \$256,460.81	
<i>Beaverton estimated share<sup>1</sup></i> \$35,788.68	
<b>Proposed Contract Value</b>	<b>\$ 10,578,385.35</b>

1. Based on overall project ownership percentage from Baseline 7.0 budget.

#### Staff Contact Information:

Christina Walter, Permitting and Outreach Manager; (503) 840-3830; christina.walter@tvwd.org

#### Attachments:

- Draft DEA Contract No. 2016-320 Amendment #34
- Exhibit A: Statement of Work
- Exhibit B: Consultant Fee and Rate Schedule

**Amendment 34 to Agreement 2016-320**

**DRAFT**

FOR  
PERMITTING SERVICES  
FOR

THE WILLAMETTE WATER SUPPLY PROGRAM

This Amendment, effective the date as signed by Owner, is entered into by and between Willamette Water Supply System Commission ("Owner") and DAVID EVANS AND ASSOCIATES INC ("Consultant").

WHEREAS, the Owner and Consultant entered into this Agreement for Consultant to provide Permitting Services for the Willamette Water Supply Program.

WHEREAS, the Owner and Consultant desire to amend the Agreement by modifying the terms of the Agreement as follows:

This amendment incorporates PCO-250

<b>PCO#</b>	<b>Description</b>	<b>Time Impact (Days)</b>	<b>Change Amount</b>
PCO - 250	DEA 2022-2023 Contract Renewal	365	\$742,503.78

The Original Contract Sum was	\$666,872.56
Net Change by Previously Authorized Requests and Changes	\$9,835,881.57
The Contract Sum Prior to this Amendment was	\$9,835,881.57
The Contract Sum will change by	\$742,503.78
The New Contract Sum including this Amendment	\$10,578,385.78
The Contract Time will change by	365 Days
The Date of Contract Completion as of this Amendment Therefore is	4/9/2023

Except as modified or changed herein, all other terms and conditions of the original Agreement, or as previously amended, shall remain unchanged and in full force and effect.

IN WITNESS WHEREOF, the Parties hereto have executed this Amendment 34 effective as of the date signed by Owner.

**OWNER**

**By:** \_\_\_\_\_  
**Name:** \_\_\_\_\_  
**Title:** \_\_\_\_\_  
**Date:** \_\_\_\_\_

**DAVID EVANS AND ASSOCIATES INC**

**By:** \_\_\_\_\_  
**Name:** \_\_\_\_\_  
**Title:** \_\_\_\_\_  
**Date:** \_\_\_\_\_

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**DRAFT Amendment 34 to Agreement 2016-320**  
**For Permitting Services for The Willamette Water Supply Program**

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**REPLACE SECTION 3 - EFFECTIVE DATE AND DURATION OF AGREEMENT with the following:**

This Agreement shall become effective on the date of the Agreement's execution by Owners. Unless earlier terminated, this Agreement shall remain in full force and effect until April 9, 2023. Upon sixty (60) days prior written notice and mutual agreement as to terms and conditions, Owners may extend this Agreement for additional two (2) year terms for up to twelve (12) total years from the initial effective date. Expiration of this Agreement shall not extinguish or prejudice Owners' rights to enforce this Agreement with respect to breach for default or defective performance that has not been cured.

**Replace the second paragraph of SECTION 4 – COMPENSATION with the following:**

Labor billing rate increases shall be reviewed annually. The labor billing rate table shall be modified no more than once per year and shall coincide with Consultant's annual compensation adjustment schedule. The aggregate total billing rate increase percentage for the Consultant's team shall not exceed more than the lower of (a) 4% or (b) the sum of (i) the Cost of Living Index for the West (CPI-U, West) percentage increase for the 12-month period ending closest to the proposed effective date of the billing rate increases and (ii) 2%, with the exception of merit salary increases or changes to labor classifications, which will be approved by the Owners on a case by case basis. Consultant shall submit at least thirty (30) days in advance proposed billing rate increases to the Owners' Representative via a letter that includes labor classifications, named staff within each classification, current billing rate, proposed billing rate, percentage rate change by labor classification and overall, corresponding information for CPI-U, West, and justification for any individual increase above the CPI-U, West, or staff movement between billing classifications. Owners shall have final approval of all direct labor increases used as the basis of billing the Owners.

**REPLACE Exhibit A- Statement of Work in its entirety.**

**REPLACE Exhibit B - Consultant Fee and Rate Schedule in its entirety.**

# Willamette Water Supply System Commission

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**EXHIBIT A – STATEMENT OF WORK (SOW)**  
**Willamette Water Supply Program**  
**Program Regulatory Permitting and Related Consulting Services**

### *Introduction*

The Willamette Water Supply System (WWSS) Commission ("Owner"), is contracting with David Evans and Associates, Inc. ("Consultant") to provide regulatory permitting and related consulting services for the Willamette Water Supply Program ("WWSP" or "Program") as described herein.

Ms. Christina Walter has been designated as the Owner's Representative for this Agreement. Ms. Walter may be reached by phone at 503-540-3830 or by email at [christina.walter@tvwd.org](mailto:christina.walter@tvwd.org).

### *Background*

The WWSS Commission is an Oregon intergovernmental entity formed by Tualatin Valley Water District (TVWD), the City of Hillsboro (Hillsboro), and the City of Beaverton (Beaverton). The WWSS Commission was formed to build the Willamette Water Supply System (WWSS) in response to planned growth in their service areas. The WWSS will provide an additional, resilient water supply for Washington County.

TVWD has been designated the Managing Agency for the WWSS Commission, and TVWD operates the Willamette Water Supply Program (WWSP) to plan, design, and construct the WWSS.

The WWSS is a drinking water infrastructure system that will provide the Owner with a seismically resilient water supply, designed to meet future demand and provide redundancy in case of an emergency event. The WWSS includes more than thirty (30) miles of transmission pipelines, ranging from 36 inches to 66 inches in diameter from the Willamette River Water Treatment Plant ("WRWTP") in Wilsonville, Oregon, north to the TVWD, Hillsboro and Beaverton service areas. The WWSS also includes the construction of finished water storage tanks (terminal storage), a new water treatment plant (WTP), and an expansion of the existing WRWTP raw water facilities (RWF). Additional background and information can be found at [www.ourreliablewater.org](http://www.ourreliablewater.org).

The WWSS is divided into work packages for design, construction, sequencing and management purposes. Some work packages are anticipated to be constructed in partnership with another agency or jurisdiction (e.g., roadway improvement projects by Washington County). In these instances, the partner agency administers the prime construction contract. Such projects are referred to as "opportunity projects." For the purposes of developing this Statement of Work and associated not-to-exceed budget, a WWSP design and construction schedule is provided in Attachment 1 and generalized work package descriptions are provided as follows:

- RWF\_1.0: The RWF site is located on two parcels within the City of Wilsonville at the existing WRWTP. RWF\_1.0 includes modifications to the existing intake facility and pump station, seismic modifications to the Willamette riverbank, construction of a new electrical building and a trenchless crossing of Arrowhead Creek. This work package is not an opportunity project.
- WTP\_1.0: The WTP site is located on a recently annexed parcel in the City of Sherwood, Washington County. The WTP\_1.0 work package will include the construction of a new WTP and associated facilities on a previously undeveloped parcel. This work package is not an opportunity project.
- RES\_1.0: The Reservoir site is located in unincorporated Washington County. The RES\_1.0 work package includes the construction of two new terminal storage reservoirs on one property, and

**EXHIBIT A – STATEMENT OF WORK (SOW)**  
**Willamette Water Supply Program**  
**Program Regulatory Permitting and Related Consulting Services**

the use of a neighboring property as a staging area for construction. This work package is not an opportunity project.

- PLM\_1.0: The Pipeline Main (PLM)\_1.0 work package extends from RWF\_1.0 on the east side of Arrowhead Creek in Wilsonville to north of Day Road in unincorporated Washington County. This work package is sub-divided into three work packages as follows:
  - PLM\_1.1 extends from the north end of RWF\_1.0 on the east side of Arrowhead Creek along Kinsman Road, south of the intersection with Wilsonville Road. It includes an open-trench crossing of Coffee Lake Creek south of Wilsonville Road. This work package is not an opportunity project.
  - PLM\_1.2 extends from Ridder Road, just east of the intersection with Garden Acres Road in Wilsonville, to north of Day Road in unincorporated Washington County. With the exception of a trenchless crossing of Day Road, PLM\_1.2 will be constructed as an opportunity project with the City of Wilsonville's expansion of Garden Acres Road. The WWSP will obtain all permits associated with the construction of the Day Road crossing.
  - PLM\_1.3 follows Kinsman Road from just south of Wilsonville Road to Barber Road (the southern extent of PLM\_2.0), and from Boeckman Road (the northern limit of PLM\_2.0) to Ridder Road, just south of the intersection with Garden Acres Road (the southern extent of PLM\_1.2). It includes a trenchless crossing of Wilsonville Road, as well as a crossing of Tapman Creek in the developed right-of-way on SW Ridder Road. This work package is not an opportunity project.
- PLM\_2.0: The PLM\_2.0 work package extends from Barber Road to Boeckman Road in Wilsonville. Construction of this work package was completed in the spring of 2019.
- PLM\_3.0: The PLM\_3.0 work package extends from SW Grahams Ferry Road just north of SW Day Road (the northern limit of PLM\_1.2) to SW Tualatin-Sherwood Road (the eastern limit of PLM\_4.2) in unincorporated Washington County. Construction of this work package was completed in the summer of 2019.
- PLM\_4.0: The PLM\_4.0 work package extends from SW 124th Avenue at Tualatin-Sherwood Road (the northern limit of PLM\_3.0) to the Urban Growth Boundary on SW Roy Rogers Road, just north of SW Beef Bend Road (the southern limit of PLM\_5.0). This work package is sub-divided into four work packages as follows:
  - PLM\_4.1 extends from SW Tualatin-Sherwood Road at SW Olds Place to SW Lavender Avenue. This work package is an opportunity project to be constructed in partnership with Washington County's roadway improvements along SW Tualatin-Sherwood Road.
  - PLM\_4.2 extends from SW Tualatin-Sherwood Road at SW 124th Avenue (the northern limit of PLM\_3.0) to SW Tualatin-Sherwood Road at SW Olds Place. It includes a crossing of Rock Creek in the developed right-of-way. This work package is an opportunity project to be constructed in partnership with Washington County's roadway improvements along SW Tualatin Sherwood Road.
  - PLM\_4.3 extends from SW Roy Rogers Road, just south of Chicken Creek at the Sherwood city limits) to the Urban Growth Boundary on SW Roy Rogers Road, just north of SW Beef Bend Road (the southern limit of PLM\_5.0). It includes trenchless crossings of Chicken Creek and the Tualatin River, and an open-trench crossing of an unnamed drainage north of SW Beef Bend Road. This work package is not an opportunity project.



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- PLM\_4.4 extends from SW Roy Rogers Road at SW Lavender Avenue to just south of Chicken Creek. This work package is an opportunity project to be constructed in partnership with Washington County's roadway improvements along SW Roy Rogers Road.
- PLM\_5.0: The PLM\_5.0 work package extends from the Urban Growth Boundary on SW Roy Rogers Road (the northern limit of PLM\_4.0) in Tigard to SW Rosedale Road at the intersection with the future SW Cornelius Pass Road in unincorporated Washington County. This work package is sub-divided into three work packages as follows:
  - PLM\_5.1 extends from the Urban Growth Boundary on SW Roy Rogers Road (the northern limit of PLM\_4.0) to SW Scholls Ferry Road, just west of the intersection with Roy Rogers Road. It includes the crossing of an unnamed drainage in the developed right-of-way, and a trenchless crossing of the creek south of SW Scholls Ferry Road. This work package is an opportunity project to be constructed in partnership with Washington County's roadway improvements along SW Roy Rogers Road.
  - PLM\_5.2 extends from SW Scholls Ferry Road, just west of the intersection with SW Roy Rogers Road to SW Tile Flat Road at SW Grabhorn Road. It is located within Tigard, Beaverton, and unincorporated Washington County. It includes a trenchless crossing of the unnamed creek on SW Scholls Ferry Road at Strobel Road. This work package is not an opportunity project, with the exception of the creek crossings at Strobel Road, which was constructed in partnership with West Hills Development.
  - PLM\_5.3 extends along SW Grabhorn Road at SW Tile Flat Road to the future reservoir site, cross country along undeveloped land from SW Grabhorn Road to the BPA easement east of SW Clark Hill Road, along the BPA easement to SW Farmington Road. North of SW Farmington Road, the pipeline continues along the alignment of a proposed future extension of Cornelius Pass Road, to SW Rosedale Road. It is located within unincorporated Washington County and includes open trench crossings of McKernan Creek and several unnamed seasonal drainages along SW Grabhorn Road, near SW Clark Hill Road, and north of SW Farmington Road. This work package is not an opportunity project.
- PLW\_1.0: The Pipeline West (PLW)\_1.0 work package extends along the future alignment of SW Cornelius Pass Road at the intersection with SW Rosedale Road (the northern extent of PLM\_5.0) to just south of the intersection with Tualatin Valley Highway, within portions of unincorporated Washington County and Hillsboro. From there, the work package follows the existing Cornelius Pass Road to the north side of the intersection with SE Frances Street (the southern limit of PLW\_2.0) in Hillsboro. This work package is sub-divided into three work packages as follows:
  - PLW\_1.1 extends along existing and future SW Cornelius Pass Road for an approximately 5,000 foot section south of the intersection with SW Tualatin Valley Highway to just north of SW Tualatin Valley Highway in Hillsboro. Construction of this work package was completed in 2019.
  - PLW\_1.2 extends along the existing SW Cornelius Pass Road from the north side of the intersection with SW Tualatin Valley Highway to the north side of the intersection with SE Frances Street (the southern limit of PLW\_2.0) in Hillsboro. It includes a crossing of

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Reedville Creek in the right-of-way. This work package is an opportunity project, and will be constructed in partnership with Washington County.

- PLW\_1.3 extends along the future SW Cornelius Pass Road from SW Rosedale Road to SW Kinnaman Road. This work package also includes an extension of pipeline along SW Rosedale and SW Farmington Roads to connect to an existing TVWD vault at the intersection of SW 209th Avenue and SW Farmington Road. This work package is located in within Hillsboro and unincorporated Washington County. It includes open-trench crossings of an unnamed seasonal drainage north of Rosedale Road and an unnamed tributary to Butternut Creek, and a trenchless crossing of Butternut Creek. This work package is not an opportunity project.
- PLW\_2.0: The PLW\_2.0 work package extends along SW Cornelius Pass Road north of the intersection with SE Frances Street (the northern limit of PLW\_1.0) and ties in to an existing TVWD facility just south of Highway 26. PLW\_2.0 is located within Hillsboro and unincorporated Washington County. This work package is sub-divided into two work packages as follows:
  - PLW\_2.1 extends from SW Cornelius Pass Road at Orenco Woods Nature Park through Orenco Woods Nature Park, across undeveloped land to SW Cornelius Pass Road north of Cherry Lane. It includes an open-trench crossing of Rock Creek. While not an opportunity project, this work package includes trail improvements within Orenco Woods Nature Park for Hillsboro and Metro.
  - PLW\_2.2 includes all of PLW\_2.0 south and north of PLW\_2.1, and modifications to the existing TVWD facility. It includes an open-trench crossing of Beaverton Creek. While not an opportunity project, this work package also includes the construction of a parallel water distribution line for Hillsboro.
- MPE\_1.0: The Metzger Pipeline East (MPE)\_1.0 work package extends northeast along SW Scholls Ferry Road from the intersection with SW Roy Rogers Road SW Allen Boulevard, and along SW Allen Boulevard to SW Western Avenue, tying in to existing TVWD transmission lines on SW Hall Boulevard near SW Oleson Road and at the intersection of SW Western Avenue and SW Beaverton-Hillsdale Highway. It is located in Beaverton, Tigard, and unincorporated Washington County. This work package includes two trenchless crossings of Fanno Creek. In addition to the WWSS pipeline, this work package will include the construction of a parallel water distribution pipeline for the City of Beaverton. This work package is sub-divided into three work packages.
  - MPE\_1.1 extends from Allen Boulevard along Western Avenue to Beaverton-Hillsdale Highway. It is an opportunity project and is being constructed in partnership with Beaverton.
  - MPE\_1.2 extends from the south end of MPE\_1.1 south along Allen Boulevard and SW Scholls Ferry Road to just west of Highway 217 and Fanno Creek. It includes a branch along SW Hall Boulevard that terminates at a new pressure and flow control facility. This work package includes two trenchless crossings of Fanno Creek. Although not an opportunity project, this work package will include the construction of a parallel water distribution pipeline for the City of Beaverton.
  - MPE\_1.3 extends from the western end of MPE\_1.2 just west of Fanno Creek and Highway 217 along SW Scholls Ferry Road to the intersection of PLM\_5.1 and PLM\_5.2 on SW Scholls Ferry Road. This work package is not an opportunity project.

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In addition to the work packages and opportunity projects described above, the WWSP will administer the construction of “concession projects” in association with related work package construction and in cooperation with local jurisdictions and agencies. Concession projects will include the following:

- City of Wilsonville Ground Lease Street Improvements: As a condition of the ground lease agreement between the WWSP and the City of Wilsonville, the WWSP will permit, design and construct a number of street improvement projects along the PLM\_1.0 work package route. These projects will include, but are not limited to, the construction of a right hand turn lane at the intersection of SW Wilsonville Road and SW Kinsman Road, and improvements to roadways and sidewalks.
- Washington County Road Construction: In coordination with Washington County and the City of Sherwood, the WWSP will permit, design and construct a new road across the WTP\_1.0 property to serve as a City collector that will connect to SW 124<sup>th</sup> Avenue. This new road, Orr Road, will be constructed concurrent with the WTP\_1.0 facility.

## *Statement of Work*

### *General Assumptions*

- Assumes a 12-month duration from April 10, 2022, through April 9, 2023
- Contract is based on a Not to Exceed (NTE) value. Consultant shall manage and allocate task and sub-task budgets according to the needs of the Project, so long as the total amount invoiced to Owner does not exceed the NTE
- The following Statement of Work identifies exclusions and assumptions to which Consultant has relied in determining Consultant’s effort, scope, fee and schedule for the project. Consultant and Owner agree to renegotiate these terms in the event an assumption or exclusion becomes invalid.
- Owner will obtain site access as needed for Consultant to execute Statement of Work
- Consultant is responsible for providing the necessary labor, equipment, and materials to perform the Work described herein in accordance with the Agreement and Work Authorization Forms. Consultant shall not utilize the services of a subconsultant without prior approval of the Owner.
- Consultant shall be responsible for maintaining a Health and Safety Plan for Owner’s review and acceptance and meeting all applicable OSHA safety standards.
- Consultant shall perform its services to facilitate issuance of required permits and permit modifications to allow WWSS construction to proceed as scheduled, inform Owner of risks to timely permit/modification issuance, and present Owner with strategies to avoid, minimize, or mitigate those risks
- Unless stated otherwise, deliverables under this contract shall include one (1) draft deliverable, one (1) final deliverable, and one (1) consolidated set of responses to comments provided by Owner, if any.
- Unless stated otherwise, deliverables provided to permitting agencies shall include one (1) draft and one (1) final deliverable to the Owner, followed by one (1) draft deliverable to the agencies, revised as requested by the agency.
- Final deliverables will be submitted within two (2) weeks of receiving consolidated Owners’ comments unless a deliverable-specific turnaround time is specified by Owner.

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- Consultant shall provide all deliverables via e-Builder unless specifically directed otherwise by Owner for specified deliverables.
- Owner shall be responsible for providing application submittal, renewal and other permit-related fees.
- Owner shall obtain the necessary signatures for all permit application submittals.
- Consultant shall provide Owner with a complete, written inventory of information needs, within any format or formatting requirements, for each permit for which the Consultant is preparing an application.
- The Project Manager shall be responsible for managing Consultant staff and subconsultants, ensuring the performance of internal quality control ("QC") on all draft and final deliverables prior to submittal to Owners, and act as the primary Consultant point of contact.
- Consultant shall contact Owner's work package construction manager prior to entering a work package construction site.
- Consultant shall maintain GIS databases and ArcGIS Online (AGOL) mapping programs with the latest publicly available information and update the mapping programs regularly with the latest available design information for the WWSP.
- Consultant shall maintain an AGOL mapping program separate, but compatible with, the WWSP-maintained AGOL program.
- Consultant's personnel listed below are considered essential to the Work being performed hereunder. No substitution of key personnel or subconsultants shall be made by Consultant without written consent from the Owner. Owner reserve the right to require replacement of key personnel at the sole discretion of Owner.

Name	Title
<b>Jennifer Miller</b>	Principal in Charge
<b>Sarah Betz</b>	Project Manager
<b>Shawna Hale</b>	Deputy Project Manager
<b>Ethan Rosenthal</b>	Joint Removal-Fill Permit Lead
<b>Kristine Marshall</b>	Endangered Species Act Lead / Environmental Compliance Lead
<b>John Macklin</b>	Work Package Permitting Liaison
<b>Phil Rickus</b>	Wetland Delineation Lead; Work Package Permitting Liaison
<b>Jason Medema</b>	Work Package Permitting Liaison
<b>Suzanne Carey</b>	Environmental Compliance Lead
<b>Judith Barkstedt</b>	Work Package Permitting Liaison
<b>Joe Dills</b>	Land Use Lead, APG

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Name	Title
<b>Shayna Rehberg</b>	Senior Planner, APG
<b>Cathy Bialas</b>	Project Archaeologist, HRA
<b>Joshua Dinwiddie</b>	Archaeologist, HRA
<b>James Farrow</b>	Hazardous Materials Lead, Terraphase
<b>Rob Annear</b>	Thermal Trading Plan Lead, Geosyntec
<b>Jacob Krall</b>	Thermal Trading Plan Lead, Geosyntec

## *1. Project Administration and Meetings*

### **1.1 Project Administration**

Consultant shall provide project management, coordination, and contract administration tasks relative to the execution of the Work described herein. Consultant shall assign a qualified Project Manager to manage the delivery of all services, tasks, and deliverables; oversee adherence to the Statement of Work; and manage to the established budget and schedule.

#### Schedule

One (1) Consultant team member shall coordinate internally with the Consultant work package and discipline leads on a monthly basis to compile permitting-related schedule updates. Consultant shall then coordinate with the WWSP's scheduler to provide permitting-related schedule updates for incorporation into the WWSP's program-wide master schedule.

Consultant shall maintain a program-level construction compliance schedule, which will be updated regularly based on updates to the WWSP's master program schedule and the timing of permit approvals, construction notice to proceed (NTP), etc.

#### Invoicing

Consultant shall prepare and submit monthly payment applications via e-Builder. Monthly pay applications shall be submitted by the 10<sup>th</sup> day of each month and include a completed monthly progress report. The monthly report shall summarize the work accomplished under each task and subtask for the invoice period, summarize the work anticipated in the subsequent month, and identify any work execution challenges or potential contractual changes.

#### Meetings

Consultant shall attend and participate in weekly program design meetings and bi-weekly permitting meetings in person or virtually. Weekly design meetings and bi-weekly permitting meetings will be held at the WWSP Program office in Beaverton, or virtually, unless otherwise noted. Consultant shall prepare and submit an agenda for the bi-weekly permitting meetings at least one (1) business day prior to the meeting. Consultant shall take meeting notes and submit them to the Permitting Team, if requested.

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Attendees shall include the Consultant's Project Manager and/or Deputy Project Manager and other staff as deemed necessary by Owner.

Consultant shall attend other WWSP meetings and workshops as requested by Owner. Examples of other WWSP meetings could include, but are not limited to, quarterly Functional Manager risk review meetings, monthly safety meetings, Program-level construction-related workshops and Program-wide scheduling meetings. Required attendees shall be included in the request by Owner. Attendance at project-specific design and construction meetings is included in appropriate project tasks below.

**Task 1.0 Assumptions**

- Project administration is related to program-wide contract administration and quality control. Management, quality control and coordination related to technical tasks is not included in Task 1 but is included in Tasks 12 through 21.
- A total of 26 bi-weekly two-hour permitting meetings with no more than six (6) Consultant team members attending each meeting
- A total of 26 bi-weekly one-hour permitting meetings with no more than two (2) Consultant team members attending each meeting
- A total of 52 weekly design meetings with no more than one (1) Consultant team member attending each meeting
- A total of 24 other WWSP meetings, with no more than two (2) Consultant team members attending each meeting.

*2. Task Closed*

*3. Program-Level Permitting Support*

*3.1 – 3.8.1: Tasks Closed*

**3.8.2 Environmental Authorization Coordination**

Consultant shall facilitate implementation of program-level environmental permits and authorizations and compliance with permit conditions. Consultant shall prepare and facilitate approval of modifications to existing permits and authorizations resulting from changes in design. Consultant shall coordinate with USACE, USFWS, DSL, DEQ, NMFS, SHPO, ODFW, CWS, Oregon State Parks, local jurisdictions and other resource agencies, as needed, to advance permit modification approvals, clarify permit requirements, comply with permit conditions and respond to comments and/or questions. Consultant shall prepare annual reports for submittal to applicable agencies to document project construction for the year and demonstrate compliance with permit conditions. Consultant shall prepare and submit yearly Program-level permit renewals to applicable agencies. Consultant shall prepare Program-level reports and memoranda, as requested by Owner, to address compliance with permit requirements, permitting recommendations and best practices, and other permitting-related topics.

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### **Task 3.8.5 Thermal Trading Plan**

Consultant shall coordinate with DEQ to facilitate agency approval of a Thermal Trading Plan (TTP), as required by the Project's 401 Water Quality Certification issued by DEQ. Consultant shall update the Thermal Trading Plan, as necessary, based on requests from DEQ and in response to public comments.

Consultant shall coordinate with Oregon State Parks and its consultant team to implement the WWSP's Thermal Trading Plan approach for the Molalla State Park Restoration Project, including calculation and documentation of riparian shading credits associated with the project.

Activities may include, but are not limited to:

- Meetings and coordination with Owner, Consultant team, stakeholders and agencies
- Identification and evaluation of riparian shading project opportunities
- Site visits
- Finalization of a revised TTP
- Temperature analysis and modeling
- Development and maintenance of GIS and LiDAR databases for project tracking
- Riparian Shading Credit Modeling and Documentation, including the following activities:
  - In collaboration with Wolf Water Resources, develop the inputs to model for the current conditions scenario in DEQ's Shade-a-Lator model to establish the baseline for credit calculations.
  - Implement several potential future conditions scenarios based on alternative restoration strategies to model and estimate credits that will be obtained upon completion of the restoration project.
- Support for potential fish habitat modeling to quantify credits not based on riparian shading.

### **Task 3.8 Assumptions**

- Includes up to six (6) site visits by up to two (2) Consultant team members to evaluate on-site conditions

### **3.9 Permit Tracking and Reporting**

Consultant shall support the WWSP in maintaining the Permitting Conditions database by identifying required permits for the WWSP and each work package, including the permit name and type, permitting agency, project applicability, permit conditions and permit reporting requirements. Permits incorporated into the databases include those pertaining to natural resources, cultural resources, land use and pre-construction approvals. Consultant shall complete an update of the information within the databases each month via e-Builder or spreadsheet as requested by Owner, and as new permits for the WWSP are obtained.

Consultant shall support the WWSP in maintaining other Program-wide databases and tracking tools, as requested by Owner.

Consultant shall maintain and update construction compliance forms, such as the environmental compliance site visit form to maintain consistency with WWSP practices and project needs. Consultant

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shall also maintain a construction-related action item tracking list, which will be provided to Owner upon request.

### **Task 3.17.1 Molalla River State Park Cultural Resources Surveys**

Consultant shall conduct cultural resources surveys and reporting for the Molalla River State Park Restoration Project, and coordinate with the Owner, Molalla River State Park and its consultants to provide cultural resources-related project support

Activities may include, but are not limited to:

- Meetings and coordination with Owner, Molalla River State Park and its consultants
- Archival research to identify previously documented cultural resources within or near the proposed survey areas
- Site visits and pedestrian surveys
- Acquisition of a State Archaeology Permit
- Subsurface sampling of high probability areas
- Preparation of a technical report detailing the results of the work

### ***Work Package-Specific Tasks***

Task 12 through Task 22 are work package-specific and address the permitting–related work necessary to facilitate design and construction of each work package. Each work package requires similar efforts, categorized by a subtask for Meetings and Workshops, followed by subtasks specific to Design Support and Environmental Construction Compliance for each construction package. These subtasks are described below and these descriptions are then referenced within each work package, with any exceptions or additions noted.

#### **Subtask 1 – Meetings and Workshops**

Consultant shall attend work package-specific meetings and workshops, with required attendees included in a request by Owner. Meetings and workshops may include, but are not limited to:

- Bi-weekly design coordination meetings
- Public meetings/hearings
- Work package-specific meetings with regulatory agencies
- Work package-specific permitting meetings related to:
  - Natural resources
  - Pre-construction permitting
  - Land use
  - Cultural Resources
  - Hazardous Materials
  - Permit requirements or permit compliance
- Design questions
- Alternative evaluations

#### **Subtask 2 – Design Support and Construction Compliance**



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Consultant shall provide design-related technical and permitting support specific to each of the construction packages within a work package. This task is intended to address work package-specific services during the design and construction phases. Services shall be provided as requested by Owner and may include, but are not limited to:

Design Phase

- Design-related correspondence with the WWSP and its design consultants, including responding to design-related inquiries
- Identifying and gathering technical and design-related information
- Support for real estate processes
- Natural resources surveys and reporting, including wetland delineations, ESA clearance surveys, significant resource area assessments and tree surveys and assessments
- Restoration and planting plan coordination with design consultant and contractor, preparation of annotated planting plans
- Compliance with state and federal cultural resources permits and Programmatic Agreement (PA), cultural resources surveys and reporting in compliance with state and federal cultural resources permits and the WWSP's Programmatic Agreement with USACE and SHPO. Surveys and reporting include, but are not limited to:
  - Pedestrian, shovel and architectural surveys, as well as geoarchaeological deep testing at trenchless crossing locations (for specific work packages with trenchless crossings)
  - Preparation and submittal of survey reports to USACE and SHPO
  - Preparation, submittal and renewal of survey permits on public properties
  - Updates to Consultant's cultural resources sensitivity model and AGOL mapping database
- Preparation and submittal of land use applications including development of natural resource reports, Drainage Hazard Area evaluations, land use application narratives, and coordination with the WWSP and Design Consultant on the preparation of application exhibits. Land use permitting efforts also include, but are not limited to:
  - Research on code requirements by jurisdiction
  - Coordination with local agency planning staff and facilitation of pre-application conferences and community/agency outreach
  - Preparation of land use application checklists, schedules and responses to information requests from Owner, Design Consultant and/or local agencies
  - Preparation of supplemental application materials and responses to completeness reviews
  - Review of agency staff reports and draft conditions of approval
  - Preparation for and participation in public hearings
  - Post-approval coordination with the WWSP
- Evaluation of potential hazardous materials within and adjacent to the WWSP project footprint. Evaluations may include, but are not limited to:
  - Hazardous materials assessments of recognized environmental conditions (RECs)
  - Preparation of Level 1 and/or Phase 1 Environmental Site Assessments
  - Preparation of Phase 2 Environmental Site Assessments, including the collection and analysis of soil and/or groundwater samples

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- Preparation of Soil Management Plans
- Tree surveys and reporting in support of, but not limited to, the following:
  - Land use applications
  - Pipeline alignment and facility footprint evaluations
  - Property owner negotiations
  - Tree donation coordination
- Site visits with WWSP staff and/or agency representatives
- Obtaining environmental clearances for design activities, such as migratory bird nesting surveys and geotechnical surveys
- Review of Design Consultant submittals, including:
  - 30, 60, 90 and 100% design plans (or alternate work package-specific design milestones such as 50, 70, 90 and 100%)
  - Work package-specific environmental specifications
  - Site restoration, erosion and sediment control, grading, and water diversion plans
  - Value Engineering and Constructability evaluations
- Preparation for and attendance at design and construction-related workshops
- Facilitation of agency design reviews, such as USACE review of final restoration plans for stream crossings and ODFW review of final water diversion/fish passage plans
- Preparation of pre-construction permitting memos to identify the pre-construction permits required for each construction package, including submittal requirements, agency review timelines and application fees
- Review of Design Consultant and Contractor pre-construction permit applications and facilitation of application submittal, review and approval by the applicable agencies
- Monthly updates to the Master Permit Tracking Log via e-Builder in advance of Program schedule updates
- Coordination with Bonneville Power Administration (BPA), WWSP and the Design Consultant to secure land use agreements for BPA transmission line crossings, including scheduling and tracking, and application review
- Preparation of alternative evaluations for design and alignment options, and participation in the ranking and selection of alternatives
- Preparation and submittal of work package-specific permit modification requests to applicable permitting agencies, as defined in the WWSP's Permit Modification Strategy
- Maintaining contact with regulatory agencies to facilitate timely responses

**Construction Phase**

- Participation in weekly construction coordination meetings
- Facilitation of compliance with environmental, cultural resources, land use and pre-construction permits
- Acquisition of construction-related authorizations, such as in-water work extensions and modifications to pre-construction and construction-related authorizations

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- Support and confirmation of permit closeout and compliance obligations, including erosion control monitoring, site restoration and post-construction monitoring and reporting
- Review of Contractor submittals, including, but not limited to:
  - Construction Management Plan
  - Project Permitting Plan
  - Erosion and Sediment Control Plan
  - Construction Bypass Plan
  - Dewatering Plan
  - Work Area Isolation Plan
  - Pollution Control Plan
- Identification of technical and design requirements to comply with WWSP permits and authorizations
- Conducting fish salvage, wildlife salvage, ESA, and Migratory Bird Treaty Act (MBTA) construction clearance surveys, including preparation and submittal of applicable permits and post-survey reporting
- Coordination with APHIS on nesting bird surveys, monitoring and nest removal, and compliance with MBTA permits
- Responding to Requests for Information (RFI) from Owner, Contractor or Partner agencies
- Environmental compliance monitoring, including site visits, to confirm the Contractor has correctly demarcated protected areas, buffers, and resources. Field activities and findings will be documented, as appropriate, in a Site Visit Form and submitted via e-Builder within one (1) business day
- Performing on-site monitoring and inspection of Contractor conformance with project contract plans, documents, and permits. Inspection reports shall be submitted via e-Builder within one (1) business day of inspection
- Performing on-site monitoring and inspection of tree removal and protection by a certified arborist
- Performing on-site hazardous materials monitoring in areas with potential subsurface soil and/or groundwater contamination
- Collection, analysis and interpretation of soil and/or groundwater samples to confirm the presence of hazardous substances in areas where contamination is suspected, and guidance on disposal requirements.
- Preparation of recommendations and coordination with Owner's work package construction manager or designee to define appropriate corrective measures prior to exiting a work package construction site
- Monitoring of site restoration and planting plan coordination; review of as-built plans in resource areas for compliance with environmental permit requirements
- Conducting Inadvertent Discovery Plan training for encountering cultural resources and on-site monitoring for cultural resources, where necessary

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- Responding on-site to inadvertent cultural resource discoveries and coordination with the contractor, WWSP and applicable agencies to document discoveries, clear the site and re-start work
- Cultural resources monitoring, if needed, in areas where known cultural resource sites occur
- Attendance at safety training meetings prior to the start of construction for each work package
- Conducting brief site visits to Partner project construction sites to review and document site conditions and compliance with WWSP permits
- Review of proposed field design changes for permit compliance
- Participation in the planning of and attendance at agency site inspections
- Facilitation of compliance reporting to outside agencies

***12.0 RWF\_1.0 Environmental, Cultural Resources, Land Use and Hazardous Materials Coordination***

**12.1 RWF\_1.0 Meetings and Workshops**

Consultant shall attend work package-specific meetings and workshops as requested by Owner and identified in the description of Subtask 1 – Meetings and Workshops under Work Package-Specific Tasks.

***13.0 RWF\_1.0 Design Support and Construction Compliance Services***

Consultant shall provide work package-specific design and construction compliance services for RWF\_1.0, as identified in the description of Subtask 2 – Design Support and Construction Compliance Services under Work Package-Specific Tasks. In addition to the services described under Subsequent Tasks, Consultant shall provide the following additional services:

Design Phase

- Facilitation of USACE and ODFW review and approval of fish screen replacement design

***13.1 WTP\_1.0 Environmental, Cultural Resources, Land Use and Hazardous Materials Coordination***

**13.2 WTP\_1.0 Meetings and Workshops**

Consultant shall attend work package-specific meetings and workshops as requested by Owner and identified in the description of Subtask 1 – Meetings and Workshops under Work Package-Specific Tasks.

In addition to the meetings described under Subtask 1 – Meetings and Workshops, consultant shall attend weekly permitting-focused meetings through March 2022.

**13.3 WTP\_1.0 Design Support and Construction Compliance Services**

Consultant shall provide work package-specific design and construction compliance services for WTP\_1.0, as identified in the description of Subtask 2 – Design Support and Construction Compliance Services under Work Package-Specific Tasks. In addition to the services described under Subsequent Tasks, Consultant shall provide the following additional services:

**EXHIBIT A – STATEMENT OF WORK (SOW)**  
**Willamette Water Supply Program**  
**Program Regulatory Permitting and Related Consulting Services**

Design Phase

- Evaluation of tree densities and general species composition using LiDAR imagery to support land use and pre-construction permit requirements
- Coordination with the WWSP, Design Consultant, CMGC Contractor and local agencies to secure pre-construction permit approvals required for the construction of the Orr Road concession project
- Evaluate implications of construction schedule modifications.

***14.0 RES\_1.0 Environmental, Cultural Resources, Land Use and Hazardous Materials Coordination***

**14.1 RES\_1.0 Meetings and Workshops**

Consultant shall attend work package-specific meetings and workshops as requested by Owner and identified in the description of Subtask 1 – Meetings and Workshops under Work Package-Specific Tasks.

**14.2 RES\_1.0 Design Support and Construction Compliance Services**

Consultant shall provide work package-specific design and construction compliance services for RES\_1.0, as identified in the description of Subtask 2 – Design Support and Construction Compliance Services under Work Package-Specific Tasks. In addition to the services described under Subsequent Tasks, Consultant shall provide the following additional services:

Design Phase

- Evaluate implications of construction schedule modifications.

***15.0 PLM\_1.0 Environmental, Cultural Resources, Land Use and Hazardous Materials Coordination***

**15.1 PLM\_1.0 Meetings and Workshops**

Consultant shall attend work package-specific meetings and workshops as requested by Owner and identified in the description of Subtask 1 – Meetings and Workshops under Work Package-Specific Tasks.

**15.2 PLM\_1.1 Design Support and Construction Compliance Services**

Consultant shall provide work package-specific design and construction compliance services for PLM\_1.1, as identified in the description of Subtask 2 – Design Support and Construction Compliance Services under Work Package-Specific Tasks.

**15.3 PLM\_1.2 Design Support and Construction Compliance Services**

Consultant shall provide work package-specific design and construction compliance services for PLM\_1.2, as identified in the description of Subtask 2 – Design Support and Construction Compliance Services under Work Package-Specific Tasks.

**15.4 PLM\_1.3 Design Support and Construction Compliance Services**

**EXHIBIT A – STATEMENT OF WORK (SOW)**  
**Willamette Water Supply Program**  
**Program Regulatory Permitting and Related Consulting Services**

Consultant shall provide work package-specific design and construction compliance services for PLM\_1.3, as identified in the description of Subtask 2 – Design Support and Construction Compliance Services under Work Package-Specific Tasks. In addition to the services described under Subsequent Tasks, Consultant shall provide the following additional services:

Design Phase

- Preparation of state and federal environmental permit applications for the construction of ground lease street improvement concession projects on behalf of the City of Wilsonville, and coordination with the applicable agencies to facilitate permit approvals
- Coordination with the WWSP, Design Consultant, Contractor and local agencies to secure pre-construction permit approvals required for the construction of the ground lease street improvement concession projects

### *16.0 Task Closed*

## *17.0 PLM\_4.0 Environmental, Cultural Resources, Land Use and Hazardous Materials Coordination*

### **17.1 PLM\_4.0 Meetings and Workshops**

Consultant shall attend work package-specific meetings and workshops as requested by Owner and identified in the description of Subtask 1 – Meetings and Workshops under Work Package-Specific Tasks.

### **17.2 PLM\_4.1 Design Support and Construction Compliance Services**

Consultant shall provide work package-specific design and construction compliance services for PLM\_4.1, as identified in the description of Subtask 2 – Design Support and Construction Compliance Services under Work Package-Specific Tasks.

### **17.3 PLM\_4.2 Design Support and Construction Compliance Services**

Consultant shall provide work package-specific design and construction compliance services for PLM\_4.2, as identified in the description of Subtask 2 – Design Support and Construction Compliance Services under Work Package-Specific Tasks.

### **17.4 PLM\_4.3 Design Support and Construction Compliance Services**

Consultant shall provide work package-specific design and construction compliance services for PLM\_4.3, as identified in the description of Subtask 2 – Design Support and Construction Compliance Services under Work Package-Specific Tasks. In addition to the services described under Subsequent Tasks, Consultant shall provide the following additional services:

Design Phase

- Coordination on and review of the Farm Impacts Analysis report to support the PLM\_4.3 land use application

**EXHIBIT A – STATEMENT OF WORK (SOW)**  
**Willamette Water Supply Program**  
**Program Regulatory Permitting and Related Consulting Services**

**17.5 PLM\_4.4 Design Support and Construction Compliance Services**

Consultant shall provide work package-specific design and construction compliance services for PLM\_4.4, as identified in the description of Subtask 2 – Design Support and Construction Compliance Services under Work Package-Specific Tasks.

***18.0 PLM\_5.0 Environmental, Cultural Resources, Land Use and Hazardous Materials Coordination***

**18.1 PLM\_5.0 Meetings and Workshops**

Consultant shall attend work package-specific meetings and workshops as requested by Owner and identified in the description of Subtask 1 – Meetings and Workshops under Work Package-Specific Tasks.

**18.2 PLM\_5.1 Design Support and Construction Compliance Services**

Consultant shall provide work package-specific design and construction compliance services for PLM\_5.1, as identified in the description of Subtask 2 – Design Support and Construction Compliance Services under Work Package-Specific Tasks.

**18.3 PLM\_5.2 Design Support and Construction Compliance Services**

Consultant shall provide work package-specific design and construction compliance services for PLM\_5.2, as identified in the description of Subtask 2 – Design Support and Construction Compliance Services under Work Package-Specific Tasks.

**18.4 PLM\_5.3 Design Support and Construction Compliance Services**

Consultant shall provide work package-specific design and construction compliance services for PLM\_5.3, as identified in the description of Subtask 2 – Design Support and Construction Compliance Services under Work Package-Specific Tasks. In addition to the services described under Subsequent Tasks, Consultant shall provide the following additional services:

- Upland oak woodland mitigation coordination and design, preparation of mitigation memo and cost estimate
- White rock larkspur reconnaissance surveys and documentation; avoidance, minimization, and relocation coordination

***19.0 PLW\_1.0 Environmental, Cultural Resources, Land Use and Hazardous Materials Coordination***

**19.1 PLW 1.0 Meetings and Workshops**

Consultant shall attend work package-specific meetings and workshops as requested by Owner and identified in the description of Subtask 1 – Meetings and Workshops under Work Package-Specific Tasks.

**19.2 PLW\_1.2 Design Support and Construction Compliance Services**

**EXHIBIT A – STATEMENT OF WORK (SOW)**  
**Willamette Water Supply Program**  
**Program Regulatory Permitting and Related Consulting Services**

Consultant shall provide work package-specific design and construction compliance services for PLW\_1.2, as identified in the description of Subtask 2 – Design Support and Construction Compliance Services under Work Package-Specific Tasks.

### **19.3 PLW\_1.3 Design Support and Construction Compliance Services**

Consultant shall provide work package-specific design and construction compliance services for PLW\_1.3, as identified in the description of Subtask 2 – Design Support and Construction Compliance Services under Work Package-Specific Tasks.

## ***20.0 PLW\_2.0 Environmental, Cultural Resources, Land Use and Hazardous Materials Coordination***

### **20.1 PLW 2.0 Meetings and Workshops**

Consultant shall attend work package-specific meetings and workshops as requested by Owner and identified in the description of Subtask 1 – Meetings and Workshops under Work Package-Specific Tasks.

### **20.2 PLW\_2.0 Design Support and Construction Compliance Services – CLOSED**

### **20.3 PLW\_2.1 Design Support and Construction Compliance Services**

Consultant shall provide work package-specific design and construction compliance services for PLW\_2.0, as identified in the description of Subtask 2 – Design Support and Construction Compliance Services under Work Package-Specific Tasks. In addition to the services described under Subsequent Tasks, Consultant shall provide the following additional services:

#### Design Phase

- Coordination with the WWSP, City of Hillsboro and Metro on the preparation of a Wildlife Protection Plan to provide wildlife protection during construction at the OWNP and surrounding areas

#### Construction Phase

- Implementation of pre-construction and construction phase wildlife monitoring in accordance with the WWSP's Wildlife Protection Plan, including installation of monitoring equipment, data collection, and reporting

### **20.4 PLW\_2.2 Design Support and Construction Compliance Services**

Consultant shall provide permit coordination with WWSP, design consultants, and agencies to facilitate baseline schedule changes to Construction Schedule.

## ***21.0 MPE\_1.0 Environmental, Cultural Resources, Land Use and Hazardous Materials Coordination***

### **21.1 Task Closed**



**EXHIBIT A – STATEMENT OF WORK (SOW)**  
**Willamette Water Supply Program**  
**Program Regulatory Permitting and Related Consulting Services**

**21.2 MPE 1.0 Meetings and Workshops**

Consultant shall attend work package-specific meetings and workshops as requested by Owner and identified in the description of Subtask 1 – Meetings and Workshops under Work Package-Specific Tasks.

In addition to the meetings described under Subtask 1 – Meetings and Workshops, consultant shall attend weekly permitting-focused meetings through March 2022.

**21.3 MPE\_1.1 Design Support and Construction Compliance Services**

Consultant shall provide work package-specific design and construction compliance services for MPE\_1.1, as identified in the description of Subtask 2 – Design Support and Construction Compliance Services under Work Package-Specific Tasks.

**21.4 MPE\_1.2 Design Support and Construction Compliance Services**

Consultant shall provide work package-specific design and construction compliance services for MPE\_1.2, as identified in the description of Subtask 2 – Design Support and Construction Compliance Services under Work Package-Specific Tasks.

**21.5 MPE\_1.3 Design Support and Construction Compliance Services**

Consultant shall provide work package-specific design and construction compliance services for MPE\_1.3, as identified in the description of Subtask 2 – Design Support and Construction Compliance Services under Work Package-Specific Tasks.

# Willamette Water Supply System Commission

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# Exhibit B - Consultant Fee and Rate Schedule

## WWSP 2022-2023 Annual Contract Extension - Cumulative Contract Budgets

4A-4

DEA - Budget status as of 2-12-2022 (March 1, 2021 invoice)

WWSP Item #	Task	Current Cumulative Contract Amount	Total Invoiced To-Date	Remaining on Contract	Proposed Budget for 2022-2023 Contract Year	Change from 2021-2022 Contract Year (+/- )	*Notes
001	Task 1. Project Mgmt/Schedule/Coordination	1,276,683.14	1,175,964.90	100,718.24	317,580.24	1,447.30	Accounting for up to 6 months of in-person meetings
002	Task 2: Permitting & Program Team Mtgs	120,431.51	120,431.51	0.00	0.00	0.00	No change
003	Task 3. Environmental Services	1,566,470.34	1,392,648.08	173,822.26	246,600.60	-149,144.21	Permit renewals; annual reporting; startup and commissioning major permit modification and design, permitting and agency coordination, meetings; one additional minor permit modification; operational minor blowoff discharges permitting and agency coordination; program-wide agency coordination; program-wide GIS updates; Thermal Trading Plan
004	Task 4: Cultural Resource Services	101,831.74	101,831.74	0.00	0.00	0.00	No change
005	Task 5: Land Use Services	194,814.58	194,814.58	0.00	0.00	0.00	No change
006	Task 6: Other Permitting Services	42,250.02	42,250.02	0.00	0.00	0.00	No change
007	Task 7: Program Definition	140,076.67	140,076.67	0.00	0.00	0.00	No change
008	Task 8: Enviro Permitting Alt Routes	88,565.24	88,565.24	0.00	0.00	0.00	No change
009	Task 9: Permit Related Dsgn Team Support	151,491.26	151,491.26	0.00	0.00	0.00	No change
010	Task 10: Haz Mat. Eval. - Historic Routes	120,704.11	120,704.11	0.00	0.00	0.00	No change
011	Task 11: Const/Post-Const Enviro Services	26,485.14	26,485.14	0.00	0.00	0.00	No change
012.1	Task 12.1 RWF_1.0 Meetings & Workshops	95,216.08	94,094.32	1,121.76	550.00	-571.77	Reduction in number of meetings
012.2	Task 12.2 RWF_1.0 Design Support & Constr. Compliance Services	370,677.75	324,915.42	45,762.33	47,764.00	-46,222.06	Reduction in site visits during Phase 2; IWW and pile installation permitting coordination; permitting coordination for Wilsonville upgrades to existing WTP
012.3	Task 12.3 RWF_1.0 Constr-Related Auths & Co	102.89	102.89	0.00	0.00	0.00	No change
013.1	Task 13.1 WTP_1.0 Meetings & Workshops	97,719.26	85,325.38	12,393.88	5,100.00	-26,699.41	Weekly permitting meetings through end of May
013.2	Task 13.2 WTP_1.0 Design Support & Constr. Compliance Services	355,876.76	286,830.54	69,046.22	125,054.40	19,788.00	Weekly construction meetings and site visits for full contract period; IDP training; land use coordination and Type 1 permit amendment, MBTA and tree removal coordination
013.4	Task 13.4 WTP_1.0 Phase II EnvSiteAsmnt	38,064.03	38,064.03	0.00	0.00	0.00	No change
014.1	Task 14.1 RES_1.0 Meetings & Workshops	55,342.92	32,686.64	22,656.28	6,271.00	-23,562.68	Weekly permitting meetings through end of April
014.2	Task 14.2 RES_1.0 Design Support & Constr. Compliance Services	216,193.41	168,539.91	47,653.50	59,195.00	0.00	Weekly construction meetings and site visits for full contract period
014.4	Task 14.4 RES_1.0 Phase II EnvSiteAsmnt	38,227.84	38,227.84	0.00	0.00	0.00	No change
015.1	Task 15.1 PLM_1.0 Meetings & Workshops	62,307.74	51,007.99	11,299.75	12,280.00	-14,708.02	Bi-weekly permitting meetings and one-on-one PM check-ins through June; bi-weekly BPA meetings

WWSP Item #	Task	Current Cumulative Contract Amount	Total Invoiced To-Date	Remaining on Contract	Proposed Budget for 2022-2023 Contract Year	Change from 2021-2022 Contract Year (+/-)	*Notes
015.2	Task 15.2 PLM_1.0 Design Support & Constr. Compliance Services	107,009.07	107,009.07	0.00	0.00	0.00	No change
015.3	Task 15.3 PLM_1.1 Design Support & Const. Compliance Services	87,146.48	83,106.26	4,040.22	10,200.00	2,389.27	2021 and 2022 restoration and monitoring efforts
015.4	Task 15.4 PLM_1.2 Design Support & Constr. Compliance Services	22,841.00	21,908.50	932.50	550.00	-440.64	Includes small contingency budget for project and permit close-out
015.5	Task 15.5 PLM_1.3 Design Support & Constr. Compliance Services	478,337.27	285,501.20	192,836.07	218,427.00	-121,875.99	Weekly construction meetings and weekly site visits beginning mid-April 2022; land use and pre-construction permitting coordination; environmental support on ground lease improvements; BPA coordination; MBTA coordination; IDP training; HazMat construction support
016.1	Task 16.0 PLM_3.0 Construction-related Auths	760.33	760.33	0.00	0.00	0.00	No change
017.1	Task 17.1 PLM_4.0 Meetings & Workshops	60,214.83	49,063.45	11,151.38	9,926.00	-16,910.24	Weekly permitting meetings through June 2022; County coordination meetings
017.2	Task 17.2 PLM_4.0 Design Support & Constr. Compliance Services	124,614.82	124,614.82	0.00	0.00	0.00	No change
017.3	Task 17.3 PLM_4.1 Design Support & Constr. Compliance Services	42,282.68	26,591.39	15,691.29	20,410.10	-2,807.54	Permit tracking; County permitting coordination; IDP training and cultural resources monitoring during construction
017.4	Task 17.4 PLM_4.2 Dsgn Sppt & Const Comp	48,397.16	34,424.09	13,973.07	19,891.00	-1,831.60	Permit tracking; County permitting coordination; IDP training and cultural resources monitoring during construction
017.5	Task 17.5 PLM_4.3 Dsgn Sppt & Const Comp	339,738.61	251,132.91	88,605.70	90,444.60	-54,982.37	Weekly construction meetings and weekly site visits; pre-construction permitting, permit tracking and agency coordination; MBTA coordination; ; fish and wildlife salvage; in-water work coordination; preparation of annotated planting plans
017.6	Task 17.6 PLM_4.4 Dsgn Sppt & Const Comp	21,906.20	8,782.05	13,124.15	7,315.00	-7,369.40	Permit tracking; County permitting coordination; IDP training
018.1	Task 18.1 PLM_5.0 Meetings & Workshops	179,913.64	160,281.97	19,631.67	6,907.00	-26,358.74	Weekly permitting meetings through June 2022; upland mitigation and white rock larkspur-related meetings
018.2	Task 18.2 PLM_5.0 Design Support & Constr. Compliance Services	234,143.51	234,143.51	0.00	0.00	0.00	No change
018.3	Task 18.3 PLM_5.1 Design Support & Constr. Compliance Services	4,564.62	3,390.14	1,174.48	550.00	-1,364.35	Includes small contingency budget for project and permit close-out
018.4	Task 18.4 PLM_5.2 Design Support & Constr. Compliance Services	156,676.72	152,025.13	4,651.59	6,050.00	-13,111.19	2021 and 2022 restoration and monitoring efforts; mitigation bank coordination
018.5	Task 18.5 PLM_5.3 Design Support & Const. Compliance Services	608,375.33	503,029.97	105,345.36	155,126.00	-122,682.96	Weekly construction meetings and weekly site visits; pre-construction permitting, permit tracking and agency coordination; MBTA coordination; fish and wildlife salvage; in-water work coordination; preparation of annotated planting plans; upland mitigation coordination and preparation of restoration plans; white rock larkspur surveys, relocation coordination, coordination with ODA; ground improvements permitting coordination; cultural resources surveys and reporting, IDP training
019.1	Task 19.1 PLW_1.0 Meetings & Workshops	36,887.30	35,102.50	1,784.80	1,050.00	-1,745.68	Reduction in meetings

WWSP Item #	Task	Current Cumulative Contract Amount	Total Invoiced To-Date	Remaining on Contract	Proposed Budget for 2022-2023 Contract Year	Change from 2021-2022 Contract Year (+/-)	*Notes
019.2	Task 19.2 PLW_1.0 Design Support & Const. Compliance Services	139,186.02	139,186.02	0.00	0.00	0.00	No change
019.3	Task 19.3 PLW_1.1 Design Support & Constr. Compliance Services	20,220.15	19,800.31	419.84	0.00	-419.84	Close task
019.4	Task 19.4 PLW_1.2 Design Support & Constr. Compliance Services	20,732.68	16,982.32	3,750.36	11,358.54	6,994.77	Pre-construction permitting coordination and permit tracking; County permitting coordination; IDP training.
019.5	Task 19.5 PLW_1.3 Design Support & Constr. Compliance Services	270,108.79	218,944.20	51,164.59	22,242.00	-97,647.95	Weekly construction meetings and weekly site visits through June 2022; replanting coordination, restoration monitoring and reporting
020.1	Task 20.1 PLW_2.0 Meetings & Workshops	60,700.74	44,431.52	16,269.22	15,921.00	-8,370.96	Bi-weekly permitting meetings through December 2022; stakeholder meetings - one per quarter beginning in August 2022; on-site pre-construction meetings with Owners; additional land use, permitting and design meetings
020.2	Task 20.2 PLW_2.0 Design Support & Constr. Compliance Services	286,689.01	286,689.01	0.00	0.00	0.00	No change
020.3	Task 20.3 PLW_2.1 Design Support & Constr. Compliance Services	235,402.82	80,034.86	155,367.96	128,396.00	-107,006.82	Weekly construction meetings and weekly site visits beginning October 2022; pipeline and OWNP pre-construction permitting, permit tracking and agency coordination; OWNP pre-construction and construction phase wildlife management monitoring; land use coordination; cultural resources survey report coordination with agencies, IDP training
020.4	Task 20.4 PLW_2.2 Design Support & Constr. Compliance Services	8,200.00	761.77	7,438.23	2,483.00	-5,717.00	BPA coordination; staging area coordination
021.1	Task 21.1 MPE_1.0 Meetings & Workshops	122,516.91	123,451.99	-935.08	24,273.90	-21,438.30	Weekly permitting meetings through September 2022; agency coordination meetings; land use coordination meetings
021.2	Task 21.2 MPE_1.0 Design Support & Constr. Compliance Services	503,388.75	503,388.75	0.00	0.00	0.00	No change
021.3	Task 21.3 MPE_1.1 Design Support & Constr. Compliance Services	11,984.49	4,161.97	7,822.52	7,769.00	-4,215.49	Environmental construction compliance and permitting support, City permitting coordination
021.4	Task 21.4 MPE_1.2 Design Support & Constr. Compliance Services	206,498.77	160,536.50	45,962.27	89,272.00	-120,226.77	Weekly construction meetings and weekly site visits; pre-construction permitting, permit tracking and agency coordination; land use coordination; tree removal and replanting coordination; restoration coordination and preparation of annotated restoration plans
021.5	Task 21.5 MPE_1.3 Design Support & Constr. Compliance Services	132,482.95	56,622.37	75,860.58	73,546.40	-49,236.55	Weekly construction meetings and weekly site visits; pre-construction permitting, permit tracking and agency coordination; MBTA coordination
022.1	Task 22.0 On-Call Tasks	98,753.45	98,753.45	0.00	0.00	0.00	No change
023	Task 23.0 Program Level Construction Compliance	5,674.04	5,674.04	0.00	0.00	0.00	No change
<b>Totals</b>		<b>9,835,881.57</b>	<b>8,515,344.58</b>	<b>1,320,536.99</b>	<b>1,742,503.78</b>	<b>-1,016,049.19</b>	

## WWSP 2022-2023 Rate Table- DEA

Staff	Current Labor Classification	Proposed Labor Classification	Current Rate	Proposed Rate	Reason for Rate Change >4%	Proposed Increase Above Current
Andrew Rappe	Engineer IV	Engineer IV	\$157.56	\$172.94	Promotion	9.8%
Becky Lucas	GIS Analyst IV	Graphic Designer III	\$143.52	\$146.29	Labor classification change	1.9%
Christina M. Weber	Utility Coordination	Utility Coordination	\$140.23	\$145.84		4.0%
Christine E. Immroth	Technical Writer	Technical Writer	\$107.90	\$109.90		1.9%
Corie Peters	Project Coordinator III	Project Coordinator III	\$103.52	\$107.10		3.5%
Dan Christensen	Engineer V	Engineer V	\$187.20	\$185.85		-0.7%
Dongyang Liu	Project Accountant II	Project Accountant III	\$102.74	\$110.25	Promotion	7.3%
Doug Gates	Water Resource Dept. Manager	Water Resource Dept. Manager	\$230.88	\$240.21		4.0%
Ethan J. Rosenthal	Scientist IV	Scientist IV	\$155.00	\$163.80	Merit increase	5.7%
Georgia M. Cooper	Planner IV	Planner IV	\$192.00	\$194.00		1.0%
Hao Vo	Engineering Designer I	Engineering Designer II	\$104.52	\$113.40	Promotion	8.5%
Jason Medema	Planner III	Planner III	\$135.59	\$146.48	Merit increase	8.0%
Jennifer D. Miller	Senior Project Principal	Senior Project Principal	\$263.42	\$274.05		4.0%
John D. Macklin	Environmental Specialist V	Environmental Specialist V	\$176.16	\$179.55		1.9%
Jonathan C. Gage	Landscape Architect V	Landscape Architect V	\$185.64	\$193.07		4.0%
Judith Barkstedt	Environmental Specialist III	Environmental Specialist III	\$137.28	\$141.75		3.3%
Julie McCaskill	Water Resource Dept. Manager	Water Resource Dept. Manager	\$230.88	\$240.21		4.0%
Karen J. Comings	Engineer V	Engineer VI	\$187.20	\$201.60	Promotion	7.7%
Kayla S. Kruse	GIS Analyst IV	GIS Analyst IV	\$143.52	\$151.20	Merit increase	5.4%
Kristine J. Marshall	Environmental Specialist V	Environmental Specialist V	\$176.16	\$179.55		1.9%
Lori Hicks	Project Accountant II	Project Accountant III	\$102.74	\$110.25	Promotion	7.3%
Melissa M. Foltz	GIS Analyst III	GIS Analyst III	\$132.60	\$140.18	Merit increase	5.7%
Natalie Newcomer	Engineer IV	Engineer IV	\$157.56	\$172.94	Promotion	9.8%
Natalie Warner	Planner II	Planner II	\$117.00	\$127.58	Promotion	9.0%
Phil R. Rickus	Senior Ecologist	Senior Ecologist	\$147.61	\$151.20		2.4%
Sara Gilbert	GIS Analyst IV	GIS Analyst IV	\$143.52	\$151.20	Merit increase	5.4%
Sarah Betz	Project Manager III	Project Manager	\$168.48	\$199.50	Promotion	18.4%
Sarah Jones	Engineer V	Engineer V	\$187.20	\$185.85		-0.7%
Shawna Hale	Deputy Project Manager	Deputy Project Manager	\$129.48	\$151.20	Promotion	16.8%
Suzanne M. Carey	Planner IV	Senior Planner	\$192.00	\$228.00	Labor classification change	18.8%
Tamara Danisch	Landscape Architect IV	Landscape Architect III	\$131.04	\$136.28		4.0%
Valerie Thompson	Scientist III	Scientist III	\$135.59	\$141.01		4.0%
Brookley Henri	N/A	Landscape Architect IV	N/A	\$155.93	New labor classification category/New to project	N/A

## WWSP 2022-2023 Rate Table - Angelo Planning Group

Staff	Current Labor Classification	Proposed Labor Classification	Current Rate	Proposed Rate	Reason for Rate Change >4%	Proposed Increase Above Current
Joe Dills	Senior Project Manager	Senior Project Manager	\$231.12	\$ 240.36		4.0%
Shayna Rehberg	Senior Planner	Senior Planner	\$116.87	\$ 121.54		4.0%
Frank Angelo	Principal/Sr Project Advisor	Principal/Sr Project Advisor	\$228.90	\$ 238.06		4.0%
Clinton "CJ" Doxsee	Planner	Planner	\$107.92	\$ 112.24		4.0%
Emma Porricolo	Assistant Planner	Planner	\$80.51	\$86.95	Promotion to Planner	8.0%
Brandon Crawford	Assistant Planner	Assistant Planner	\$80.51	\$85.34	Merit rate increase	6.0%

**WWSP 2022-2023 Rate Table - Historical Research Associates**

Staff	Current Labor Classification	Current Rate	Proposed Rate	Reason for Rate Change >4%	Proposed Increase Above Current
Brad Bowden	Principal Archaeologist	\$193.45	\$ 201.19		4.0%
Emily Ragsdale	Principal Archeologist	\$154.35	\$ 160.52		4.0%
Michele Punke	Senior Archaeologist (Specialist)	\$132.74	\$ 138.05		4.0%
Darrin Muir	Information System Specialist	\$127.60	\$ 132.70		4.0%
Natalie Perrin	Principal Architectural Historian	\$125.54	\$ 130.56		4.0%
Cathy Bialas	Archaeologist 3	\$116.28	\$120.93		4.0%
Gabe Frazier	Archaeologist 3 (Specialist)	\$113.19	\$117.72		4.0%
Josh Dinwiddie	Archaeologist 2	\$93.64	\$97.38		4.0%
Bonnie Curtis	Project Administrator	\$93.64	\$97.38		4.0%
Jennifer Gebhardt	N/A	\$93.00	\$93.00	New to project; Not previously billed out	0.0%
Dawn Vogel	Production Assistant/Editor	\$92.61	\$96.31		4.0%
Elizabeth Provost	Architectural Historian 2	\$91.58	\$107.00	Promotion	16.8%
Janna Tuck	Archaeologist 1	\$88.00	\$91.52		4.0%
Michele Stoll	Accounting Specialist	\$81.29	\$84.54		4.0%
TBD	Archaeological Technician	\$75.12	\$78.12		4.0%
Jessi Frank	Administrative Assistant/Production Sp	\$74.00	\$76.96		4.0%
Marie Watson	Office Manager	\$60.71	\$63.14		4.0%

**WWSP 2022-2023 Rate Table - Terraphase**

Staff	Current Labor Classification	Proposed Labor Classification	Current Rate	Proposed Rate	Reason for Rate Change >4%	Proposed Increase Above Current
James Farrow	Principal	Principal	\$ 229.00	\$ 238.00		3.9%
Jeff Wallace	Principal	Principal	\$ 229.00	\$ 238.00		3.9%
Arnab Chakrabarti	Principal	Principal	\$ 229.00	\$ 238.00		3.9%
Daren Roth	Associate	Associate	\$ 203.00	\$ 211.00		3.9%
Joe Luchette	Associate	Associate	\$ 203.00	\$ 211.00		3.9%
Craig Heimbucher	Associate	Associate	\$ 203.00	\$ 211.00		3.9%
Don Malkemus	Senior Project Geologist	Senior Project Geologist	\$ 185.00	\$ 192.00		3.8%
Tim Kloebler	Project Geologist	Project Geologist	\$ 168.00	\$ 174.00		3.6%
Dana Brown	n/a	Project Geologist	n/a	\$174.00	New to project	N/A
David Bishop	Senior GIS	Senior GIS	\$ 147.00	\$ 152.00		3.4%
Veronica Hadsell	Project Coordinator	Project Coordinator	\$ 128.00	\$ 133.00		3.9%
Bryan O'Reilly	Staff II GIS	Staff II GIS	\$ 128.00	\$ 133.00		3.9%
Aditya Manohar	n/a	Staff II Engineer	n/a	\$133.00	New to project	N/A
Vinoth Muthia	Staff I Geologist	Staff I Geologist	\$ 114.00	\$ 114.00		0.0%
Gio Ossa	Support Staff	Support Staff	\$ 82.00	\$ 82.00		0.0%
David Liu	Support Staff	Support Staff	\$ 82.00	\$ 82.00		0.0%
Nancy Law	Support Staff	Support Staff	\$ 82.00	\$ 82.00		0.0%

**WWSP 2022-2023 Rate Table- DEA**

Staff	Current Labor Classification	Proposed Labor Classification	Current Rate	Proposed Rate	Reason for Rate Change >4%	Proposed Increase Above Current
Andrew Rappe	Engineer IV	Engineer IV	\$157.56	\$172.94	Promotion	9.8%
Becky Lucas	GIS Analyst IV	Graphic Designer III	\$143.52	\$146.29	Labor classification change	1.9%
Christina M. Weber	Utility Coordination	Utility Coordination	\$140.23	\$145.84		4.0%
Christine E. Immroth	Technical Writer	Technical Writer	\$107.90	\$109.90		1.9%
Corie Peters	Project Coordinator III	Project Coordinator III	\$103.52	\$107.10		3.5%
Dan Christensen	Engineer V	Engineer V	\$187.20	\$185.85		-0.7%
Dongyang Liu	Project Accountant II	Project Accountant III	\$102.74	\$110.25	Promotion	7.3%
Doug Gates	Water Resource Dept. Manager	Water Resource Dept. Manager	\$230.88	\$240.21		4.0%
Ethan J. Rosenthal	Scientist IV	Scientist IV	\$155.00	\$163.80	Merit increase	5.7%
Georgia M. Cooper	Planner IV	Planner IV	\$192.00	\$194.00		1.0%
Hao Vo	Engineering Designer I	Engineering Designer II	\$104.52	\$113.40	Promotion	8.5%
Jason Medema	Planner III	Planner III	\$135.59	\$146.48	Merit increase	8.0%
Jennifer D. Miller	Senior Project Principal	Senior Project Principal	\$263.42	\$274.05		4.0%
John D. Macklin	Environmental Specialist V	Environmental Specialist V	\$176.16	\$179.55		1.9%
Jonathan C. Gage	Landscape Architect V	Landscape Architect V	\$185.64	\$193.07		4.0%
Judith Barkstedt	Environmental Specialist III	Environmental Specialist III	\$137.28	\$141.75		3.3%
Julie McCaskill	Water Resource Dept. Manager	Water Resource Dept. Manager	\$230.88	\$240.21		4.0%
Karen J. Comings	Engineer V	Engineer VI	\$187.20	\$201.60	Promotion	7.7%
Kayla S. Kruse	GIS Analyst IV	GIS Analyst IV	\$143.52	\$151.20	Merit increase	5.4%
Kristine J. Marshall	Environmental Specialist V	Environmental Specialist V	\$176.16	\$179.55		1.9%
Lori Hicks	Project Accountant II	Project Accountant III	\$102.74	\$110.25	Promotion	7.3%
Melissa M. Foltz	GIS Analyst III	GIS Analyst III	\$132.60	\$140.18	Merit increase	5.7%
Natalie Newcomer	Engineer IV	Engineer IV	\$157.56	\$172.94	Promotion	9.8%
Natalie Warner	Planner II	Planner II	\$117.00	\$127.58	Promotion	9.0%
Phil R. Rickus	Senior Ecologist	Senior Ecologist	\$147.61	\$151.20		2.4%
Sara Gilbert	GIS Analyst IV	GIS Analyst IV	\$143.52	\$151.20	Merit increase	5.4%
Sarah Betz	Project Manager III	Project Manager	\$168.48	\$199.50	Promotion	18.4%
Sarah Jones	Engineer V	Engineer V	\$187.20	\$185.85		-0.7%
Shawna Hale	Deputy Project Manager	Deputy Project Manager	\$129.48	\$151.20	Promotion	16.8%
Suzanne M. Carey	Planner IV	Senior Planner	\$192.00	\$228.00	Labor classification change	18.8%
Tamara Danisch	Landscape Architect IV	Landscape Architect III	\$131.04	\$136.28		4.0%
Valerie Thompson	Scientist III	Scientist III	\$135.59	\$141.01		4.0%
Brookley Henri	N/A	Landscape Architect IV	N/A	\$155.93	New labor classification category/New to project	N/A

**WWSP 2022-2023 Rate Table - Angelo Planning Group**

Staff	Current Labor Classification	Proposed Labor Classification	Current Rate	Proposed Rate	Reason for Rate Change >4%	Proposed Increase Above Current
Joe Dills	Senior Project Manager	Senior Project Manager	\$231.12	\$ 240.36		4.0%
Shayna Rehberg	Senior Planner	Senior Planner	\$116.87	\$ 121.54		4.0%
Frank Angelo	Principal/Sr Project Advisor	Principal/Sr Project Advisor	\$228.90	\$ 238.06		4.0%
Clinton "CJ" Doxsee	Planner	Planner	\$107.92	\$ 112.24		4.0%
Emma Porricolo	Assistant Planner	Planner	\$80.51	\$86.95	Promotion to Planner	8.0%
Brandon Crawford	Assistant Planner	Assistant Planner	\$80.51	\$85.34	Merit rate increase	6.0%



**WWSP 2022-2023 Rate Table - Historical Research Associates**

Staff	Current Labor Classification	Current Rate	Proposed Rate	Reason for Rate Change >4%	Proposed Increase Above Current
Brad Bowden	Principal Archaeologist	\$193.45	\$ 201.19		4.0%
Emily Ragsdale	Principal Archeologist	\$154.35	\$ 160.52		4.0%
Michele Punke	Senior Archaeologist (Specialist)	\$132.74	\$ 138.05		4.0%
Darrin Muir	Information System Specialist	\$127.60	\$ 132.70		4.0%
Natalie Perrin	Principal Architectural Historian	\$125.54	\$ 130.56		4.0%
Cathy Bialas	Archaeologist 3	\$116.28	\$120.93		4.0%
Gabe Frazier	Archaeologist 3 (Specialist)	\$113.19	\$117.72		4.0%
Josh Dinwiddie	Archaeologist 2	\$93.64	\$97.38		4.0%
Bonnie Curtis	Project Administrator	\$93.64	\$97.38		4.0%
Jennifer Gebhardt	N/A	\$93.00	\$93.00	New to project; Not previously billed out	0.0%
Dawn Vogel	Production Assistant/Editor	\$92.61	\$96.31		4.0%
Elizabeth Provost	Architectural Historian 2	\$91.58	\$107.00	Promotion	16.8%
Janna Tuck	Archaeologist 1	\$88.00	\$91.52		4.0%
Michele Stoll	Accounting Specialist	\$81.29	\$84.54		4.0%
TBD	Archaeological Technician	\$75.12	\$78.12		4.0%
Jessi Frank	Administrative Assistant/Production Sp	\$74.00	\$76.96		4.0%
Marie Watson	Office Manager	\$60.71	\$63.14		4.0%

**WWSP 2022-2023 Rate Table - Terraphase**

Staff	Current Labor Classification	Proposed Labor Classification	Current Rate	Proposed Rate	Reason for Rate Change >4%	Proposed Increase Above Current
James Farrow	Principal	Principal	\$ 229.00	\$ 238.00		3.9%
Jeff Wallace	Principal	Principal	\$ 229.00	\$ 238.00		3.9%
Arnab Chakrabarti	Principal	Principal	\$ 229.00	\$ 238.00		3.9%
Daren Roth	Associate	Associate	\$ 203.00	\$ 211.00		3.9%
Joe Luchette	Associate	Associate	\$ 203.00	\$ 211.00		3.9%
Craig Heimbucher	Associate	Associate	\$ 203.00	\$ 211.00		3.9%
Don Malkemus	Senior Project Geologist	Senior Project Geologist	\$ 185.00	\$ 192.00		3.8%
Tim Kloebler	Project Geologist	Project Geologist	\$ 168.00	\$ 174.00		3.6%
Dana Brown	n/a	Project Geologist	n/a	\$174.00	New to project	N/A
David Bishop	Senior GIS	Senior GIS	\$ 147.00	\$ 152.00		3.4%
Veronica Hadsell	Project Coordinator	Project Coordinator	\$ 128.00	\$ 133.00		3.9%
Bryan O'Reilly	Staff II GIS	Staff II GIS	\$ 128.00	\$ 133.00		3.9%
Aditya Manohar	n/a	Staff II Engineer	n/a	\$133.00	New to project	N/A
Vinoth Muthia	Staff I Geologist	Staff I Geologist	\$ 114.00	\$ 114.00		0.0%
Gio Ossa	Support Staff	Support Staff	\$ 82.00	\$ 82.00		0.0%
David Liu	Support Staff	Support Staff	\$ 82.00	\$ 82.00		0.0%
Nancy Law	Support Staff	Support Staff	\$ 82.00	\$ 82.00		0.0%

**WWSP 2022-2023 Rate Table - Geosyntec**

Staff	Current Labor Classification	Proposed Labor Classification	Current Rate	Proposed Rate	Reason for Rate Change >4%	Proposed Increase Above Current
Robert Annear*	Senior Principal	Senior Principal	\$268.00	\$275.00		2.6%
James Peale	Principal	Principal	\$245.00	\$254.80		4.0%
Daniel Pankani	Senior Professional	Senior Professional	\$225.00	\$234.00		4.0%
Jacob Krall*	Project Professional	Project Professional	\$200.00	\$208.00		4.0%
Rich Wildman	Professional	Project Professional	\$200.00	\$208.00		4.0%
Austin Orr	Professional	Project Professional	\$178.00	\$208.00	Promotion	16.9%
Ariel Mosbrucker	Senior Staff Professional	Project Professional	\$178.00	\$208.00	Promotion	16.9%
Jamie Feldman	Staff Professional	Senior Staff Professional	\$156.41	\$162.67		4.0%
Leon Li	Senior Staff Professional	Senior Staff Professional	\$156.41	\$185.00	Promotion	18.3%
Jack Lisin	Staff Professional	Senior Staff Professional	\$134.80	\$162.67	Promotion	20.7%
Maral Razmand	n/a	Senior Staff Professional	n/a	\$162.67	New hire	N/A
Siavash Bassam	n/a	Senior Staff Professional	n/a	\$162.67	New hire	N/A
Lindsey Spencer	n/a	Staff Professional	n/a	\$140.00	New hire	N/A
Sherry Carcamo	n/a	Project Administrator	n/a	\$76.96	New hire	N/A

**WWSP 2022-2023 Rate Table - Harrity Tree Specialists**

Staff	Current Labor Classification	Proposed Labor Classification	Current Rate	Proposed Rate	Reason for Rate Change >4%	Proposed Increase Above Current
Joseph Harrity	Senior Arborist	Senior Arborist	\$175.00	\$175.00		0.0%
Matthew Sanchez	Consulting Arborist	Consulting Arborist	\$145.00	\$145.00		0.0%
	Project Assistant	Project Assistant	\$55.00	\$55.00		0.0%

**Willamette Water Supply**  
*Our Reliable Water*

4A. Permitting Services Contract Amendment  
(Contract No. 2016-320 Amendment #34)  
– *Christina Walter*

WWSS Commission Board Meeting  
April 7, 2022

1

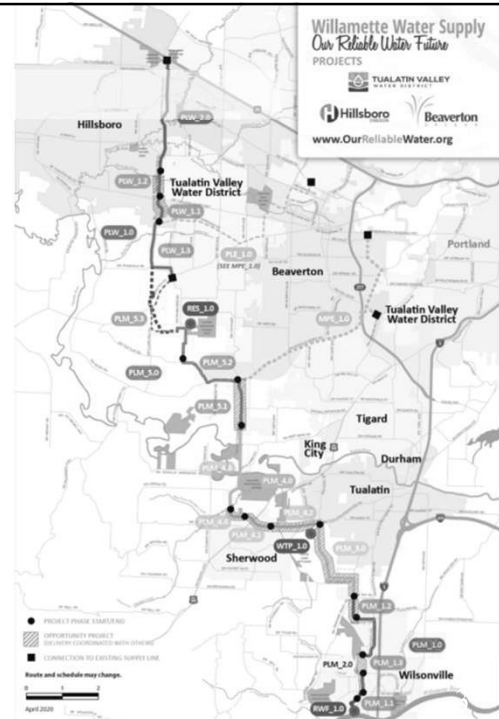
**DEA (Permitting Services) Contract  
Amendment 34 Overview**

- Permitting Services Amendment 34 requires Board approval to proceed
- Amendment 34 recognizes both additions and reductions in services
- Permitting Services is at a critical phase and this amendment enables sustained progress
- Staff are asking the Board to:
  - Approve an amendment in the amount of \$742,503.78 for scope of work to cover the term April 10, 2022 – April 9, 2023

2

## Permitting Services Overview

- Coordinate USACE/DSL permit modification bundles (one major and one minor)
- Coordinate acquisition of pre-construction permits for various projects - 151 remain to be secured
- Monitor compliance during construction on 15 active construction sites
- Prepare and implement post-construction monitoring & restoration plans
- Annual reports to USACE, ODFW, ODFW CHTR, Migratory Bird Treaty Act, and TTP



3

## New Activities in 2022

- Support permit acquisition for fiber optic line installation
- Provide Phase I & II hazardous materials site assessments for ground lease improvements (PLM\_1.3)
- Coordinate with DEQ on Water Quality Certification and Thermal Trading Plan implementation – development of new credit generating projects along Willamette River
- Monitor Wildlife Protection Plan for PLW\_2.1
- Complete land use permitting for Orenco Woods Nature Park Trail Improvements

4

## DEA's services were competitively procured in 2015

- 2-year original term with possible extensions until 2027
  - To provide continuity/consistency of institutional and project knowledge for lifespan of WWSP
  - Ability to off-ramp at owner's discretion for performance
- Cost was a key consideration in the initial selection of a permitting services consulting firm
  - Annual labor rate adjustments are capped by the contract and are reviewed/approved by the Program Director
  - Key staff proposed for WWSP work are reviewed and approved by the Program Director (considerations include: role, qualifications, labor rate, and expertise needed)
- Annual Scope of Work is negotiated each year based on anticipated activities

## Major Components of Proposed Contract Amendment

- New scope of work for term April 10, 2022 – April 9, 2023
- Corresponding new budget

## DEA Budget for New Term

- \$1,742,503.78 negotiated budget for next fiscal year
- Within Baseline 7.0
- Approximately \$1,000,000 in unspent budget –reallocated to next fiscal year reduces budget to add to contract
- About 20% decrease in budget from last year
- Annual budget on track to continue decreasing as design phase wraps up and services shift to permit compliance monitoring

## Budget Impact

<b>Initial Contract Value</b>	\$589,896
Amendments 1 through 33	\$9,245,985.57
<b>Current Contract Value</b>	\$9,835,881.57
Proposed Amendment #34	\$742,503.78
<i>TVWD Estimated Share</i> \$450,254.29	
<i>Hillsboro Estimated Share</i> \$256,460.81	
<i>Beaverton Estimated Share</i> \$35,788.68	
<b>Proposed Contract Value</b>	\$10,578,385.35

Notes:

- Total fee for services for April 2022 – April 2023 is \$1,742,503.78, including approximately \$1,000,000 in unspent budget and \$742,503.78 additional budget under this amendment.
- Contract values were anticipated in Baseline 7.0 budget.

**QUESTIONS?**

9

#### 4.A. Requested Board Action

Approve an amendment to Contact 2016-320, with David Evans and Associates, Inc., for \$742,503.78, to provide regulatory permitting services and related consulting services for the Willamette Water Supply Program.

10

# Willamette Water Supply System Commission

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**STAFF REPORT**

**To:** WWSS Board of Commissioners  
**From:** Christina Walter, WWSP Permitting and Outreach Manager  
**Date:** April 7, 2022  
**Subject:** Tree Donation Acknowledgement Form

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**Requested Board Action:**

Consider authorizing, by motion, authority to the Willamette Water Supply System General Manager to approve requests for tree donations to outside parties, including other governmental entities, which execute a Tree Donation Acknowledgement Form.

**Key Concepts:**

- The WWSS Commission will be removing trees from various locations and those trees will require disposal.
- Removed trees may be of value to other parties, and specifically, may be suitable for use in environmental restoration projects.
- The terms of specific tree donations shall be substantially in the form of the attached Tree Donation Acknowledgement Form.

**Background:**

As part of the construction of the WWSS, trees from various project locations along the pipeline alignment and at the facilities will be removed and require proper disposal. Some of these trees may be of value to other parties and, specifically, may be useful as large woody debris for environmental restoration projects. Legal counsel has prepared the attached Tree Donation Acknowledgement Form to establish the terms and conditions required of an outside party to enter into a donation arrangement. The terms are intended to reduce WWSS liability and protect the interests of the WWSS Commission when coordinating and executing these donations.

The terms and conditions include:

- Recipient of trees will participate in a site walk with a representative of the WWSS Commission to identify and mark a logistically reasonable quantity of trees to be donated;
- Recipient will coordinate with WWSS Commission representative(s) to identify any desired tree preparation (e.g. delimiting). WWSS Commission shall, in its sole discretion, determine if the requested preparation is feasible and if it is willing to prepare the trees as requested;
- WWSS Commission representative will arrange for delivery of any donated trees to Recipient at no cost to the Recipient; if Recipient instead chooses to pick up donated trees, Recipient must coordinate with the WWSS Commission representative;

## Tree Donation Acknowledgement Form

April 7, 2022

Page 2 of 2

- WWSS Commission reserves the right to dispose of trees identified for donation if access to the delivery location or other constraints impair timely and commercially reasonable pickup or delivery of the trees; and
- Recipient will comply with all WWSS Commission and contractor safety requirements when on construction site.

Section 5.4.19 of the WWSS IGA establishes the WWSS Commission's authority to dispose of personal property. The Management Authority Matrix also requires WWSS Commission approval of any intergovernmental agreement. WWSS staff are requesting approval by the WWSS Commission to dispose of the trees by donation, and to authorize the General Manager to enter into agreements for that purpose, including with other governmental entities.

**Budget Impact:**

There are no budgetary impacts associated with this item. There will be minimal staff coordination and time spent on this effort.

**Staff Contact Information:**

Christina Walter, Permitting and Outreach Manager; 503-840-3830, [Christina.Walter@tvwd.org](mailto:Christina.Walter@tvwd.org)

**Attachments:**

- Tree Donation Acknowledgment Form

## Tree Donation Acknowledgement

As part of the construction of the Willamette Water Supply System (“WWSS”), the WWSS Commission will be removing large trees from various locations that will require disposal. Some of these trees may be of value to other entities and, specifically, may be useful as large woody debris for environmental restoration projects. The WWSS Commission is willing to donate these trees to another governmental entity (“Recipient”), subject to the following terms and conditions:

1. The Recipient must participate in a site walk (within a specified date range) with a representative of the WWSS Commission. The purpose of the site walk is to identify and to mark a logistically reasonable quantity of trees to be donated.
2. Recipient must coordinate with the WWSS Commission to identify any desired tree preparation (e.g., delimiting). WWSS Commission shall, in its sole discretion, determine if the requested preparation is feasible and if it is willing to prepare the trees as requested by Recipient.
3. The WWSS Commission will arrange for the delivery of any donated trees to Recipient, at no cost to the recipient. The Recipient must coordinate with the WWSS Commission to determine a specific date and time, or range of dates and times, and place(s) for the delivery of any donated trees.
4. In the event Recipient is to pick up the donated trees, Recipient must do so on the date and time determined pursuant to Paragraph 3. In the event the WWSS Commission delivers donated trees to Recipient, Recipient must ensure the WWSS Commission, or its contractor, has access to the agreed-upon delivery location at the designated time of delivery.
5. Recipient shall accept sole ownership and responsibility for any donated trees upon their pickup by Recipient or upon their delivery by the WWSS Commission.
6. Recipient shall comply with all WWSS Commission and contractor safety requirements when on site for tree identification and during pickup or delivery of donated trees.
7. The WWSS Commission donates trees as-is and makes no warranty or representation that any tree is fit for any particular use. The Recipient, by picking up or receiving donated trees, agrees that the WWSS Commission shall not be responsible for contaminated or diseased trees, for the incidental inclusion of noxious weeds or foreign objects, or for any other damages arising out of Recipient’s use of the trees.
8. Notwithstanding any other terms in this Term Sheet, the WWSS Commission has the exclusive right to dispose of trees identified for donation if, in the WWSS Commission’s sole judgement, access to the delivery location or other constraints impair timely and commercially reasonable pickup or delivery of the trees.
9. Recipient agrees not to make any public statement regarding the WWSS Commission’s donation of trees, or otherwise disclose the WWSS Commission’s donation, without first obtaining the WWSS Commission’s consent, which consent shall not be unreasonably withheld. Nothing in the foregoing shall be deemed to limit Recipient’s obligations to respond to any public records request.

The above terms are hereby acknowledged:

By:  
 On Behalf of \_\_\_\_\_ (Recipient)  
 Date: \_\_\_\_\_

# Willamette Water Supply System Commission

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# Willamette Water Supply

*Our Reliable Water*

## 4B. Tree Donation Acknowledgement Form – *Christina Walter*

WWSS Commission Board Meeting  
April 7, 2022

1

## Tree Donation Acknowledgement

- The WWSS Commission will be removing trees from various locations and those trees will require disposal.
- Removed trees may be of value to other parties, and specifically, may be suitable for use in environmental restoration projects.
- The terms of specific tree donations shall be substantially in the form of the attached Tree Donation Acknowledgement Form.



*Trees removed from PLM\_5.2 were donated to CWS for use in Chicken Creek restoration at Tualatin River National Wildlife Refuge. The Tree Donation Acknowledgment Form simplifies the process for future donations.*

2

## Staff are Asking the Board to:



*Hillsboro Parks & Recreation Department is interested in receiving trees from PLW\_2.1 for re-use in environmental projects at Jackson Bottom Wetlands*

Consider authorizing the General Manager to approve requests for tree donations to outside parties, including other governmental entities, which execute a Tree Donation Acknowledgement Form.

## QUESTIONS?

## 4.B. Requested Board Action

Authorize by motion, the authority to the Willamette Water Supply System General Manager to approve requests for tree donations to outside parties, including other governmental entities, which execute a Tree Donation Acknowledgment Form.

## 4.B. Proposed Motion

I move that we authorize the General Manager to donate to outside parties any trees that would otherwise be disposed of, and that we authorize the General Manager to enter into agreements for that purpose, including with other governmental entities, using the Tree Donation Acknowledgement Form presented to us, or any similar agreement approved by legal counsel for this purpose.

# Willamette Water Supply System Commission

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**STAFF REPORT**

**To:** WWSS Board of Commissioners  
**From:** Joelle Bennett, P.E., WWSP Assistant Program Director  
**Date:** April 7, 2022  
**Subject:** Anticipated Business Agenda Items for the May 2022 Meeting of the WWSS Board of Commissioners

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**Key Concepts:**

The next Willamette Water Supply System (WWSS) Commission Board meeting agenda is anticipated to include staff recommendations for the following business agenda items:

1. Sherwood Emergency Intertie Intergovernmental Agreement (IGA)
2. MPE\_1.3 Contract for Construction

**Background:**

The following are anticipated business agenda items for the May 5, 2022, meeting of the WWSS Board of Commissioners. Due to the dynamic nature of the WWSS work, request for approval of some items may be delayed or new items may emerge on the business agenda next month. WWSS staff strive to provide preliminary information one month prior to requesting action and a full staff report describing the recommended action during the appropriate month.

1. Sherwood Emergency Intertie IGA

The WWSS and City of Sherwood desire to build on their history of cooperation to enable the cost-effective provision of safe and reliable water services to present and future customers by establishing an interconnection between the two systems near the future WWSS treatment plant. This IGA will describe the allowable uses for the intertie, allocation of initial capital costs and ongoing operations and maintenance costs, agreement term and renewals, as well as provisions for terminating the agreement in the future.

At the next WWSS Board meeting, WWSP staff plan to present the proposed intergovernmental agreement with a recommendation to the Board to adopt it through resolution.

2. MPE\_1.3 Contract for Construction

The WWSS has advertised the MPE\_1.3 pipeline project for bidding to the WWSP list of 10 pre-qualified contractors. Bids will be evaluated for lowest price. WWSS published the advertisement on February 23 and anticipates receiving three responses. Written proposals were due April 5, 2022.

At the next WWSS Board meeting, WWSP staff plan to present the proposed contract with a recommendation to the Board for approval.

Anticipated Business Agenda Items for the March 2022 Meeting of the WWSS Board of Commissioners

April 7, 2022

Page 2 of 2

**Budget Impact:**

Anticipated costs for the actions described in this staff report are reflected in the WWSP FY2023 budget.

**Staff Contact Information:**

Dave Kraska, P.E., WWSS General Manager, 503-941-4561, david.kraska@tvwd.org

Joelle Bennett, P.E., WWSP Assistant Director, 503-941-4577, joelle.bennett@tvwd.org

**Attachments:**

- Approvals and Procurement Forecast (March 2022 – May 2022)

## Approvals and Procurement Forecast: March 2022 through May 2022

This report provides a three-month projection of (1) forthcoming actions under the WWSS Management Authority Matrix and (2) ongoing and forthcoming procurements.

a = Actual date  
 e = Email approval  
 FC = Finance Committee  
 LCRB = Local Contract Review Board  
 MC = Management Committee  
 N/A = Not applicable  
 OC = Operations Committee

Rec. = Recommendation  
 t = Tentative date  
 TBD = To be determined; sufficient information not available to project a date  
 Note: Dates in red text indicate meetings needed outside the normal meeting schedule

Type	Description	Projected Action	Body/Position (projected action date)		
			Program Director	WWSS Committees	WWSS Board
<b>Program Baseline or Related Plans</b> (above Program Director's Authority)	1. WWSP 2022 Rebaseline Schedule and Budget and WWSS Fiscal Year 2022-2023 Work Plan and Budget	Approve	N/A	MC: 2/17/2022 a	3/3/2022 a
		Execute	N/A	N/A	N/A
<b>Real Estate</b>	2. None	Approve	N/A	N/A	N/A
<b>IGAs, MOUs, Permit Commitments, &amp; Similar Agreements</b>	3. DCS_1.0 Sherwood Broadband Services IGA	Approve	N/A	MC: 3/18/2021 a	4/1/2021 a
		Execute	4/15/2022 t	N/A	N/A
	4. RES_1.0 WCLUT Grabhorn Road Realignment IGA	Approve	N/A	MC: 10/21/2021 a	11/4/2021 a
		Execute	12/14/2021 a	N/A	N/A
	5. PLM_4.2 WCLUT Construction IGA	Approve	N/A	MC: 1/20/2022 a	2/3/2022 a
		Execute	3/31/2022 t	N/A	N/A
	6. PLW_1.3 Butternut Creek Amendment 3	Approve	N/A	N/A	N/A
		Execute	3/31/2022 t	N/A	N/A
	7. Tree Donation Acknowledgment Form	Approve	N/A	MC: 3/24/2022 t	4/7/2022 t
		Execute	N/A	N/A	N/A
8. Sherwood Emergency Intertie IGA	Approve	N/A	MC: 4/21/2022 t	5/5/2022 t	
	Execute	6/30/2022 t	N/A	N/A	
<b>Contracts</b> (above Program Director's Authority)	9. PLM_4.3 Contract for Construction <ul style="list-style-type: none"> <li>Goal: Construct PLM_4.3</li> <li>Value: \$47.9M</li> <li>Contractor: Tapani</li> </ul>	Approve	N/A	MC: 2/17/2022 a	3/3/2022 a
		Execute	3/4/2022 a	N/A	N/A
	10. MPE_1.3 Contract for Construction <ul style="list-style-type: none"> <li>Goal: Construct MPE_1.3</li> <li>Value: \$45.3M</li> <li>Contractor: TBD</li> </ul>	Approve	N/A	MC: 4/21/2022 t	5/5/2022 t
		Execute	5/6/2022 t	N/A	N/A
	11. PLW_2.1 Contract for Construction <ul style="list-style-type: none"> <li>Goal: Construct PLW_2.1</li> <li>Value: \$15.1M</li> <li>Contractor: TBD</li> </ul>	Approve	N/A	MC: 6/23/2022 t	7/7/2022 t
		Execute	7/8/2022 t	N/A	N/A

Type	Description	Projected Action	Body/Position (projected action date)			
			Program Director	WWSS Committees	WWSS Board	
<b>Contract Amendments and Change Orders</b> (above Program Director's Authority)	12. WTP_1.0 GMP for Construction <ul style="list-style-type: none"> <li>• Goal: Construct WTP_1.0</li> <li>• Value: \$406 M</li> <li>• Contractor: Sundt Construction</li> </ul>	Approve	N/A	MC: 1/20/2022 a	2/17/2022 a (special meeting)	
		Execute	2/18/2022 a	N/A	N/A	
	13. Permitting Services Contract <ul style="list-style-type: none"> <li>• Goal: System-wide permitting</li> <li>• Value: \$742,503.78</li> <li>• Contractor: DEA</li> </ul>	Approve	N/A	MC: 3/24/2022 t	4/7/2022 t	
		Execute	4/10/2022 t	N/A	N/A	
	14. RWF_1.0 GMP 1.5 for Construction <ul style="list-style-type: none"> <li>• Goal: Construct RWF_1.0</li> <li>• Value: \$2.9 M (Estimated)</li> <li>• Contractor: Kiewit</li> </ul>	Approve	N/A	MC: 5/19/2022 t	6/2/2022 t	
		Execute	6/3/2022t	N/A	N/A	
	15. WWSP Program and Construction Management Services FY 2023 Annual Work Plan <ul style="list-style-type: none"> <li>• Goal: Approve scope, staffing, and fee for program and construction management services for FY 2023</li> <li>• Value: \$24.8 M (Estimated)</li> <li>• Contractor: Stantec</li> </ul>	Approve	N/A	MC: 5/19/2022 t	6/2/2022 t	
		Execute	6/3/2022t	N/A	N/A	
	<b>Local Contract Review Board (LCRB) Actions</b>	16. None	Approve	N/A	N/A	N/A

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**Willamette Water Supply System Commission  
Board Meeting**

**April 7, 2022**

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