

AMENDMENT NO. 7  
to the  
PROFESSIONAL SERVICES AGREEMENT  
Between

CITY OF SANDY and STANTEC CONSULTING SERVICES, INC.

This Amendment is made and entered into 19 day of February 2025, by and between the City of Sandy, OR (hereinafter "City"), whose address for any formal notice is 39250 Pioneer Blvd. Sandy OR, 97055 and Stantec Consulting Services, Inc. (hereinafter "Contractor") with an office at 601 SW 2<sup>nd</sup> Ave, 14<sup>th</sup> Floor Portland, Oregon 97204. This is Amendment No. 7 to the Agreement Dated February 14, 2023, between City and Contractor.

Now, therefore, City and Contractor agree to amend the Agreement as follows:

1. The Scope of Services in Exhibit A is amended as Task Order No. 4 to provide engineering services to complete a study to determine the ability of the Gresham Wastewater Treatment Plant (WWTP) to accept existing and projected future flow from the City of Sandy.
2. The Fee in Exhibit B is \$332,198.20.

All other terms and conditions of the Contract remain unchanged by this Amendment and are in full force and effect.

Both parties indicate their approval of this Amendment by their signatures below.

STANTEC CONSULTING SERVICES, INC.

CITY OF SANDY, OREGON

Authorized signature:

Authorized signature:

*Dick Talley*

Name: Dick Talley, Vice President

Name: \_\_\_\_\_

Date: February 11th, 2025

Date: \_\_\_\_\_

# EXHIBIT A - SCOPE OF SERVICES

## **BACKGROUND**

The City of Sandy's (Sandy's) 2024 Draft Wastewater Facility Plan Amendment (Facility Plan Amendment) evaluates alternatives identified in the Consent Decree between the City of Sandy, the United States Environmental Protection Agency's (EPA) and the State of Oregon through the Oregon Department of Environmental Quality (DEQ). The Facility Plan Amendment evaluates new additional treatment alternatives located on or near the existing Sandy wastewater treatment plant site. A concept-level screening approach was applied to five possible wastewater treatment alternatives to identify economic, regulatory, implementation, and resiliency challenges.

Alternative 4, the Regional Treatment Plant concept, consists of pumping Sandy's untreated wastewater to an adjacent treatment facility by constructing a new pump station and pipeline conveying raw wastewater to a wastewater treatment plant owned and operated by the City of Gresham, Oregon. This is the preferred alternative identified in the Draft Facility Plan Amendment.

## **SCOPE OF SERVICES:**

The scope of engineering services described herein will be provided by Stantec to complete a study to determine the ability of the Gresham's Wastewater Treatment Plant (WWTP) to accept existing and projected future flow from the City of Sandy. The objective of this study is to evaluate and document impacts of additional wastewater flow and loading on the Gresham WWTP on the wastewater treatment processes and discharge requirements. This evaluation will help inform the intergovernmental agreements, financial agreements, and stakeholder communication regarding the City of Gresham becoming a wholesale provider of wastewater treatment and discharge for flows from Sandy.

## **Assumptions:**

- Planning horizon is 15 years (through 2040) to align with the City of Sandy Draft Facility Plan Amendment (2024)
- Projected population growth and projected future flow and loading for the WWTP current service area will be provided by City of Gresham
- Projected future flow and loading from Fairview and Wood Village will be provided by City of Gresham
- Influent, effluent, and plant operating data for the period of calendar years 2019 through 2024 will be provided by City of Gresham
- Effort is focused on hydraulic and treatment capacity only; no assessment of condition, reliability, or redundancy is included.

# EXHIBIT A - SCOPE OF SERVICES

Gresham to provide information regarding improvements required during planning horizon

- Hydraulic and biological process models will be developed based on available as-built and operations and maintenance (O&M) information, however team can use existing models if available
- Alternatives to existing wastewater treatment processes will not be considered. Additional capacity needs, if required, will be met by expanding existing treatment processes.

## **Tasks:**

### **Task 1: Project Management and Meetings.**

Consultant will provide general project management and coordination between the Program team, City of Sandy, and City of Gresham. Activities will include:

- 1.1 Project Coordination. Prepare for and conduct bi-weekly meetings with City of Sandy and Program team to review progress and discuss outstanding issues and questions. Staff from City of Gresham may be included as needed to discuss specific topics. These will be one (1) hour virtual meetings (e.g. Teams meeting) with up to two (2) Stantec team members attending.
- 1.2 Kickoff Meeting. Prepare for and conduct a Project Kickoff Meeting to review the Facility Plan scope, budget, and schedule, review framework and planning criteria, and discuss available information and data request. This will be an in-person meeting for two (2) hours with up to three (3) Stantec team members attending.
- 1.3 Project Workshops. Prepare for and conduct project workshops and review meetings with City of Sandy and City of Gresham staff. It is anticipated that four review workshops will be conducted including a Data Review workshop, Capacity Review workshop, Final Recommendations workshop, and Draft Engineering Evaluation Report comment review workshop. These will be in-person workshops for two (2) hours with up to three (3) Stantec team members attending.
- 1.4 Council Updates. Prepare materials for two updates to Sandy City Council and two updates to Gresham City Council or other designated body. It is anticipated that two (2) Stantec team members will attend meetings and brief Council members.

### *Deliverables:*

- Meeting/Workshop agendas, content and minutes
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### **Task 2: RFI and Data Review**

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Consultant will prepare a data request and review existing information to document the current plant processes and capacities, review previous studies and record drawings, and understand planned improvements.

Activities will include:

- 2.1 Requests for Information. Prepare requests for information (RFIs) for the City of Gresham. RFIs will include information such as influent flow and loading, process data, record drawings, previous Facility Plans, and population and future industrial discharge projections. Once the initial RFI has been prepared and data reviewed, a subsequent RFI #2 may be prepared to request additional information needed.
- 2.2 Site Visit. Conduct a site visit with City of Gresham staff to support facility understanding, operation, and potential implications of accepting flow from City of Sandy. This visit will be three (3) hours with up to three (3) Stantec team members attending.

*Deliverables:*

- RFI #1 including, at a minimum, information identified above
- RFI #2 (optional) including follow-up data requests as needed

## **Task 3: Flow and Wasteload Projections**

Consultant will evaluate recent (2019 thru 2024) influent conditions and population forecast to develop projections of future influent flow and loading through year 2040 with and without flow from the City of Sandy. Activities will include:

- 3.1 Population Projections. Summarize 15-year population projections based on information reflected in Sandy Draft Facility Plan Amendment (2024) and information provided by the City of Gresham.
- 3.2 Flow and Load Estimates. Review influent data for the period of 2019 through 2024 to identify flow and loading trends and establish future projections under average, maximum month, maximum day, and peak instantaneous flows.
- 3.3 Known or Anticipated Changes. Conduct a meeting with City of Gresham to discuss anticipated changes that would contribute additional flow and load to the facility (e.g., large industrial discharges or additional organic materials for co-digestion). Agree upon expected waste characteristics, timing, and method of introduction into the existing facility. This will be a one (1) hour virtual meeting (e.g. Teams meeting) with up to three (3) Stantec team members attending.
- 3.4 City of Sandy Wastewater Projections. Conduct a meeting with City of Gresham to review projected current and future wastewater flow and loadings and identify any pretreatment measures required or desired by the City of Gresham. This will be a one (1) hour virtual meeting (e.g. Teams meeting) with up to three (3) Stantec team members

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attending, and may be combined with the meeting included in Task 3.3.

- 3.5 Summary Technical Memo. Prepare a brief technical memorandum (TM) documenting the future influent flow and loading that will be used as a basis of evaluating available and needed capacity. Draft version will be prepared and submitted to City of Gresham and Sandy for review and comment. Following completion of the review period, Consultant will prepare and submit Final TM.

## *Deliverables:*

- Draft and Final TM summarizing Future Flow and Loading through year 2040

## **Task 4: Regulatory Requirements**

Consultant will review the City's existing NPDES permit as well as potential future regulatory requirements to assess the potential impact of accepting additional flow from Sandy.

- 4.1 Summarize Permit Requirements. Review and summarize current permit requirements and anticipated future permit requirements that may impact plant operation or capital improvements. This will be a high-level review focused on the existing NPDES permit and will be based on publicly-available information regarding state and federal regulatory guidance. This task will not include any direct communication with the Oregon Department of Environmental Quality (DEQ).
- 4.2 Impacts of Sandy Discharge. Evaluate the impacts of flows and loads from Sandy on the ability of the WWTP to comply with existing and potential future regulatory requirements.
- 4.2 Summary Memo. Prepare a brief TM documenting the current and potential future regulatory requirements and potential impacts of flow from the City of Sandy. . Draft version will be prepared and submitted to City of Gresham and Sandy for review and comment. Following completion of the review period, Consultant will prepare and submit Final TM.

## *Deliverables:*

- Draft and Final TM summarizing Regulatory Requirements

## **Task 5: Review of Capacity Needs**

Consultant will document unit process design criteria, develop biological and hydraulic models to simulate the existing plant operation under current and

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future conditions, and determine how additional flow from Sandy impacts the size or timing of required plant expansions.

- 5.1 Summarize Design Criteria. Using existing plant record drawings and industry standards, document design criteria for existing unit processes that will be used to assess available and required capacities.
- 5.2 Prepare Process Model. Develop a biological process model using BioWin software by EnviroSim to simulate the performance of the biological treatment process with an appropriate level of accuracy needed for planning and capacity analysis. Consultant will provide a Sampling and Analysis Plan for City of Gresham review including a list of sampling locations, parameters to be sampled, and frequency of sampling. It is anticipated that existing plant data will be sufficient for model calibration and validation, so additional sampling will be focused on characterization of influent wastewater and an allowance will be included in the project budget for influent sampling and analysis. The objective of this effort is to simulate the performance of the WWTP with an appropriate level of accuracy. Once the model has been calibrated, plant performance will be simulated with future (2040) flows and loadings provided by Task 3 with and without flow from Sandy (provided by Draft Sandy Facility Plan Amendment) to identify process bottlenecks and additional capacity needs.
- 5.3 Prepare Hydraulic Model. Develop a hydraulic model to evaluate the hydraulic capacity of the WWTP with the objective of identifying process hydraulic capacity and possible hydraulic bottlenecks. Consultant will evaluate pipe sizing, pump sizing, and process sizing for hydraulic capacity. Consultant will assume pumps are operating at design point and valving is fully open or fully closed unless identified otherwise by the City of Gresham. Hydraulic model will be based on plant as-built drawings and information provided by the City of Gresham; an allowance will be included in the project budget for limited survey support if required.
- 5.4 Capacity Assessment. Provide process and hydraulic system capacity assessment to accommodate existing and proposed 2040 flows and loads. This information will be used to identify the timing and size of additional capacity needs with and without Sandy flows.
- 5.5 Capital Improvements. Provide a list of proposed capital improvements that may be required to provide the required process or hydraulic capacity. Sufficient detail will be provided in terms of capacity/sizing/quantity, proposed location, timing of needed improvements and other such information to assist in preparing an Opinion of Probable Construction Costs (OPCC) to inform the discussions and development of the intergovernmental agreements, financial agreements, and stakeholder communication regarding the City of Gresham becoming a wholesale provider of wastewater

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treatment for the City of Sandy.

- 5.6 Summary Memo. Prepare a brief TM documenting the current and future capacity assessment and list of potential capital improvements of the WWTP with and without Sandy flows. Draft version will be prepared and submitted to City of Gresham and Sandy for review and comment. Following completion of the review period, Consultant will prepare and submit Final TM.

*Deliverables:*

- Draft and Final TM summarizing Capacity Assessment

**Task 6: Prepare Cost Estimate of Required Capital Improvements**

Consultant will prepare a Class 5 estimate of capital costs (OPCC) for any of the identified plant modifications identified in Task 5.

- 6.1 OPCC Development. The OPCC will be prepared in accordance with the guidelines of the Association for the Advancement of Cost Engineering (AACE) International. The design of each proposed capital improvement identified in Task 5 TM will be advanced to Conceptual Design which will be 5 to 10% complete level. The expected accuracy for the design milestones proposed for this project are presented in the table below:

<u>Design Milestone</u>	<u>Expected Accuracy</u>
Conceptual Design (Class 5)	-50% to +100%

Sandy acknowledges that Consultant has no control over cost of labor, materials, competitive bidding environment and procedures, unidentified field conditions, financial and/or market conditions, or any other factors likely to affect the OPCC of this project, all of which are and will unavoidably remain in a state of change, especially in light of the high volatility of the market attributable to Acts of God and other market events beyond the control of the parties. Sandy further acknowledges that this OPCC is a 'snapshot in time' and that the reliability of the OPCC will degrade over time. Sandy agrees that Consultant cannot and does not make any warranty, promise, guarantee or representation, either express or implied that proposal, bids, project costs, or cost of O&M functions will not vary significantly from Consultant's good faith OPCC.

The Class 5 OPCC will include values for Project Management, Design Management, Design, Construction, Construction Management, contingency and allowances. This estimate will be completed in 2025

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US Dollars and then escalated to the proposed mid-point of construction as informed by Task 5 TM at 4.5% per year to arrive at a budgetary estimate to be used in development of the intergovernmental agreements, financial agreements, and stakeholder communication regarding the City of Gresham becoming a wholesale provider of wastewater treatment and discharge for flows from Sandy.

## *Deliverables:*

- Class 5 Opinion of Probable Construction Cost (OPCC) of proposed capital improvements

## **Task 7: Prepare 2025 Gresham WWTP Capacity Evaluation Report**

Consultant will document the findings using the technical memoranda prepared in Task 3, 4, 5 and 6 and compile into the 2025 Gresham WWTP Capacity Evaluation Report. The Report will document the anticipated flows and loading expected at the Gresham WWTP through 2040, the capacity improvements needed to accept flow from Sandy while providing capacity for anticipated growth in Gresham's existing service area, and the potential or anticipated impacts on effluent discharge. Draft version will be prepared and submitted to City of Gresham and Sandy for review and comment. Following completion of the review period, Consultant will finalize TM and submit for the record.

## *Deliverables:*

- Draft Engineering Evaluation Report
- Final Engineering Evaluation Report



# EXHIBIT B - FEE



<b>Project Company</b>	Stantec US Business Group
<b>Project Currency</b>	US Dollar
<b>Contract Type</b>	Time & Material

<b>Project Number</b>	2002006370
<b>Project Name</b>	Sandy Clean Waters Program, Program Management
<b>Client Name</b>	City of Sandy, Oregon
<b>Business Centre</b>	2002
<b>Project Manager</b>	Talley, Dick
<b>Project Independent Reviewer</b>	McGinn, Rachel

Project Summary	Total Fee
Labour	\$298,873.20
Expense	\$33,325.00
Subs	\$0.00
<b>Total</b>	<b>\$332,198.20</b>

Planned Start Date	Planned End Date
2025-02-19	2025-10-31

Name	Role	Billing Rate	Hours	Sub-Total Fee
Talley, Dick	Principal in Charge	\$309.90	8.00	\$2,479.20
Machado, Chris	Quality Reviewer	\$309.90	58.00	\$17,974.20
Stephens, Heather	Project Manager	\$309.90	88.00	\$27,271.20
Callahan, Keli	Project Technical Lead	\$309.90	242.00	\$74,995.80
Messologitis, Kat	Process Lead	\$185.03	304.00	\$56,249.12
Watnick, Skylar	Staff Engineer	\$141.52	552.00	\$78,119.04
Poola, Jo	Support	\$130.75	120.00	\$15,690.00
Lim, Aldridge	Support	\$143.11	96.00	\$13,738.56
Polla, Don	Cost Estimating	\$280.82	44.00	\$12,356.08
			<b>1,512.00</b>	<b>\$298,873.20</b>

Expense	Billing Rate	Units	Sub-Total Fee
Other Direct Costs	\$1.08	31,000.00	\$33,325.00
			<b>\$33,325.00</b>