Attach State of Washington
Capital Projects Advisory Review Board (CPARB)
PROJECT REVIEW COMMITTEE (PRC)

APPLICATION FOR PROJECT APPROVAL

To Use the Design-Build (DB)
Alternative Contracting Procedure

The PRC will only consider complete applications: Incomplete applications may result in delay of action on your application. Responses to sections 1-7 and 9 should not exceed 20 pages *(font size 11 or larger)*. Provide no more than six sketches, diagrams or drawings under Section 8.

Identification of Applicant

a) Legal name of Public Body (your organization): **City of Orting**
b) Mailing Address: **P.O. Box 489, Orting, WA 98360**
c) Contact Person Name: **John Bielka** Title: **Capital Project Manager**
d) Phone Number: **360.706.7206** E-mail: JBielka@cityoforting.org

1. Brief Description of Proposed Project

a) Name of Project: **Water Resource Recovery Facility Upgrades**
b) County of Project Location: **Pierce County, City of Orting, Washington**
c) Please describe the project in no more than two short paragraphs. *(See Attachment A for an example.)*

The City of Orting owns and operates a 1.8MGD activated sludge Water Resource Recovery Facility (WRRF) that needs improvements and has completed a Wastewater Treatment Plant Upgrade Predesign Report (Predesign Report) that identified a series of prioritized WRRF improvements. The highest identified priority improvement is the installation of solids handling improvements consisting of aerobic digestion and screw press dewatering to reliably produce Class B biosolids. These solids handling improvements are necessary to replace an aging solids lagoon system that represents an imminent environmental risk, does not provide the necessary level of treatment to consistently produce Class B biosolids, and adversely constrains the future use of the plant site.

The City's near-term, time-is-of-the-essence, objective is to facilitate the closure of the site's lagoons as quickly as feasible, treat all solids going forward with the new system; process the solids currently stored in the lagoons within two years to mitigate leakage risk; and free-up space at the WRRF. The City's longer-term objective is to establish a beneficial, community-based use of the WRRF's biosolids. Based on the Predesign Report, a subsequent independent estimate produced by its current Owner Advisor (SCJ Alliance team), and recent industry feedback from a formal Market Sounding process, the City has established a budget of $20 million for the project, for which it has confirmed funding based on a combination of existing City funds and a Washington State Department of Commerce loan as noted below in part B.

2. Projected Total Cost for the Project:

A. Project Budget

Costs for Professional Services (A/E, Legal etc.)	$	2,160,000
Estimated project construction costs (*including construction contingencies*)	$	6,565,000
Equipment and furnishing costs	$	5,125,000
Off-site costs	$	0
Contract administration costs (owner, cm, OA etc.) (includes OA)	$	3,050,000
Contingencies (design & owner)	$	2,000,000
Other related project costs (permitting-related costs and fees)	$	400,000
Sales Tax	$	700,000
Total	$	20,000,000

B. Funding Status

Please describe the funding status for the whole project. *Note: If funding is not available, please explain how and when funding is anticipated*

The City has a budget of $20M secured for this project. This funding is from three sources:

1. City funding set-aside of $8M,
2. The City is holding an additional project-specific contingency of $2M, and
3. The City has secured a Washington State Department of Commerce low interest loan of $10M (1.39% over 20 years).

3. Anticipated Project Design and Construction Schedule

Please provide *(See Attachment B for an example schedule.)*:
The anticipated project design and construction schedule, including:
a) Procurement;
b) Hiring consultants if not already hired; and

The following milestone dates and durations are based on the Project Schedule, see Attachment A.

Owner Advisor Procurement (66 days, in progress)	**Date**	**(calendar days duration)**
Issue RFP for Owner Advisor (OA)	4/4/2023	(+0 days)
OA Pre-Proposal meeting	4/24/2023	(+20 days)
Deadline for OA RFP questions	4/25/2023	(+21 days)
City Addendum to RFP with replies to questions	4/27/2023	(+23 days)
OA RFP submittal deadline	5/4/2023	(+30 days)
OA Interviews	5/8/2023-5/12/2023	(+34-38 days)
OA Notice of Award	5/15/2023	(+41 days)
OA Contract Negotiations	5/24/2023	(+50 days)
Notice to Proceed	6/9/2023	(+66 days)

Progressive Design-Build Qualifications (56 days)	**Date**	**(calendar days duration)**
Issue RFQ for PDB Participation	6/2/2023	(+0 days)
Issue NTP for OA Firm	6/9/2023	(+7 days)
PDB SOQ's Due	7/14/2023	(+42 days)
Shortlist PDB Teams	7/28/2023	(+56 days)

Progressive Design-Build Proposal (70 days)	**Date**	**(calendar days duration)**
Issue RFP to Shortlisted PDB Teams	8/25/2023	(+0 days)
PBD Proposals Due	10/20/2023	(+56 days)
Interview PDB Firms (week of)	10/30/2023	(+66 days)
Select PDB	11/3/2023	(+70 days)

Progressive Design-Build Delivery

Phase One (252 days)	**Date**	**(calendar days duration)**
Issue NTP to PDB	11/24/2023	(+0 days)
Complete Phase One (Design and Preconstruction Phase)	8/2/2024	(+252 days)

Phase Two (567 days)	**Date**	**(calendar days duration)**
Contract Price Proposal Acceptance (Construction NTP)	5/31/2024	(+0 days)
Complete Phase Two (Construction Phase)	6/27/2025	(+392 days)
Substantial Completion (Complete Start-up, Commissioning, Acceptance Testing)	9/26/2025	(+483 days)
Final Completion	12/19/2025	(+567 days)

c) Employing staff or hiring consultants to manage the project if not already employed or hired

The City's Capital Project Manager and Acting Public Works Director is John Bielka. The City's WRRF Supervisor and Acting Public Works Supervisor is Steven Daskam. The City is in the process of permanently filling the Public Works Director and Public Works Supervisor roles to relieve John and Steven of their acting roles.

The City has currently engaged a consultant team led by SCJ Alliance to support the preparation of this CPARB application and to prepare the Request for Qualification (RFQ) for the progressive design-build (PDB) procurement. The SCJ Alliance team includes the following members/roles:

- SCJ Alliance – project coordination, technical support, project controls, permitting insight;
- Jacobs – treatment process expertise, permitting support, independent cost estimating; and
- All Things Collaborative Delivery (Leofwin Clark) – design-build best practices, procurement strategy, and market sounding support.

The City is in the process of a competitive solicitation of an Owner Advisor (OA) to guide it through the remainder of the PDB procurement process (short-list, Request for Proposals, and negotiations) and delivery of the project according to the schedule as outlined above. The City has posted the OA solicitation and the procurement process is underway. The OA will be engaged to support this project from submittal and evaluation of SOQs for the PDB through Final Completion.

4. **Explain why the DB Contracting Procedure is Appropriate for this Project.**
Please provide a detailed explanation of why use of the contracting procedure is appropriate for the proposed project. Please address the following, as appropriate:

In September 2022, the City received a 90% design; Plans, Specifications & Estimate (PS&E); and a Predesign Report for its WRRF improvements. In reviewing these submittals, the City determined that there may be alternative approaches that better meet its needs in the following areas:

- **Project implementation:** The proposed scope elements would benefit from prioritization, constructability reviews, and operations and maintenance engagement to ensure life cycle considerations are included in the overall project implementation;
- **Innovative solutions and future expandability:** The project could benefit from innovation and better accommodate future expansion of the WRRF. Engaging a design-builder will support these considerations and promote operational flexibility by integrating potential future infrastructure needs into the existing project;
- **Performance guarantees:** For solids dewatering, the City will be adopting technology and equipment new to its site and operators and there is a strong emphasis on ensuring such upgrades will function as expected. Design-build will allow the City to meet its project objectives, including improving plant efficiency and processing biosolids, with a defined set of performance criteria revised in conjunction with a design-build team; and
- **Maintain plant operations:** the City's WRRF is the sole and exclusive option for treatment and disposal of sanitary wastes for its 9,300 residents. It is imperative that construction operations accommodate uninterrupted operations and that system outages are carefully planned and coordinated.

Based on the above rationale and to validate the City's identification of PDB as its preferred delivery method, the City, supported by the SCJ Alliance team, conducted an open-invitation Market Sounding for all interested parties to solicit feedback on several discussion topics. These topics included schedule and budget viability and willingness to provide equitable performance guarantees. The Market Sounding was held between March 8 and March 27, 2023. The City and the SCJ Alliance team conducted seven market sounding interviews, with a combination of integrated design-builders, contractors, engineers, and vendors.

The Market Sounding process provided insightful guidance to the City regarding the scope of work, project schedule, budget, preliminary approach, and potential commercial terms. The City identified at least three potentially competitive teams that confirmed the appropriateness of – and preference for – using PDB to address the specific challenges of this project.

- If the construction activities are highly specialized and a DB approach is critical in developing the construction methodology (1) What are these highly specialized activities, and (2) Why is DB critical in the development of them?

In support of the City's objectives for a comprehensive solution that accommodates future site needs and processing of biosolids, a PDB implementation will provide:

- A collaborative environment to support decision making while also establishing reasonable performance metrics and Acceptance requirements that can be subsequently guaranteed by the design-builder;
- Mitigation of supply chain constraints associated with delivery of electrical equipment (Motor Control Centers and Switchgear). Currently electrical equipment has 12- to 18-month fulfillment timeframes. PDB will accommodate early ordering of these critical project components and optimize the schedule; and

- Support for early ordering and timely delivery of selected biosolids dewatering equipment. The duration of engineering, fabrication, and delivery of dewatering and/or drying equipment is currently at least 12 months.

This rationale was supported by the Market Sounding process, as City was apprised of several relevant wastewater projects delivered by highly qualified contractors and designers in Washington State. A consistent thread in discussing these reference projects was the tight construction market, especially given many large upcoming projects, and the industry capacity to deliver specialized wastewater-related equipment in a timely manner, minimizing the impact of supply chain disruptions. Without exception, all respondents confirmed that PDB is the most viable means for the City to attract ample qualified resources, solve project challenges, including supply chain constraints, and obtain fair and balanced performance guarantees.

- If the project provides opportunity for greater innovation and efficiencies between designer and builder, describe these opportunities for innovation and efficiencies.

The City will strongly encourage industry input and alternative approaches during the Pre-construction Phase to address this project's various challenges. These opportunities include:

- Validating its risk allocation requirements (including performance guarantees);
- Selection of optimum dewatering technology and the appropriate level of redundancy and capacity to dewater sludge in the existing lagoons; and
- Maintaining plant operations during construction, and reducing the risk of sewage spills, while maintaining NPDES Permit compliance.

From the Market Sounding process, the City received the following feedback regarding the opportunity for greater innovation and efficiencies:

- "PDB's need to take responsibility and accountability for timely delivery of permanent equipment to the project."
- "This approach can support your ultimate objectives with project phasing, working with a collaborative team."
- "Use Phase 1 to evaluate and confirm the approach to dewatering and potential drying options (centrifuge, screw press, paddle dryer, belt press, etc.) as you need a workshop approach to balance capital and life cycle priorities."

- If significant savings in project delivery time would be realized, explain how DB can achieve time savings on this project.

A PDB process will allow collaboration with a design-builder to maximize the value of improvements implemented under the available budget – a process that would take considerably more development time using a linear design-bid-build development process. Collaboration during the PDB process will also support the potential for early work packages as a means to address priority issues, obtain long-lead equipment, and investigate and prepare the site for primary construction. Early site preparation and equipment procurement packages will minimize construction duration and reduce impacts to the operating plant.

In addition, given the nature of the Project's upgrades, a 60-percent level of design may be adequate to reach a guaranteed maximum price (GMP) agreement with the design-builder, allowing primary construction to start while the design detail is being finalized. All of these attributes of the design-build process have the potential to save project delivery time.

From the Market Sounding process, the City received significant vendor and design-builder feedback regarding the necessity for taking advantage of the best practice for using early work packages in PDB to mitigate supply chain issues and avoid schedule delays. Specifically, multiple vendors reference lead teams of a year or more for electrical and specialized dewatering and drying equipment that will certainly require early works packages to mitigate long lead times. Also of note was confirmation that the Phase 1 design and preconstruction period should be used to optimize performance guarantees in collaboration among the owner, design-builder, and vendors.

5. Public Benefit

In addition to the above information, please provide information on how use of the DB contracting procedure will serve the public interest. For example, your description must address, but is not limited to:

- How this contracting method provides a substantial fiscal benefit; or
- How the use of the traditional method of awarding contracts in a lump sum *(the "design-bid-build method")* is not practical for meeting desired quality standards or delivery schedules.

PDB will support a fiscal benefit by:

- Quantifying and then reducing and mitigating risks on the project. By allocating risks between the City and a design-builder, the City can optimize the cost and benefit of each risk by having the party best able to manage it being accountable. With a single design and construction contract, the City can transfer *reasonable* performance risk to the design-builder at a potential cost significantly less than the City would otherwise be exposed to should the installed technology not function as intended.
- Supporting collaborative decisions regarding scope and equipment selection during design, evaluating capital and operating costs together to optimize a life-cycle solution.
- Integrating a phased construction approach and coordination to maintain plant operations.
- An iterative design and cost estimating approach allows City to consider and evaluate its options for improving the WRRF's to effluent quality and and biosolids management in the context of current and potential future regulatory requirements. In turn, this insight will allow the City to sequence or phase improvements based on a cost to benefit ratio to its rate payers.

The PDB process supports schedule reduction benefits by advancing procurement of long lead equipment. This provides additional benefit to the public as it mitigates potential environmental risks related to the aging lagoons reaching capacity.

6. Public Body Qualifications

Please provide:

- A description of your organization's qualifications to use the DB contracting procedure.

The City of Orting has experience delivering design-build projects. The City's Public Works Building was completed in 2019 using a design-build contract. City personnel, Greg Reed (Public Works director), Mark Barfield (Public Works Supervisor), Mark Bethune (City Administrator), Scott Larson (Finance Director, currently City Administrator), and Tim Lincoln (Building Inspector) were in charge of the project (this project was a pre-engineered pole barn building and therefore did not require CPARB approval.)

John Bielka has a Bachelor of Science in Civil Engineering with an emphasis in wastewater treatment. He has more than 30 years of experience overseeing the integrated design and construction of a variety of projects including distribution centers, fish meal plants, wastewater recirculation systems, fish farms, processing facilities, extrusion plants, feed plants. More details are available in Attachment B.

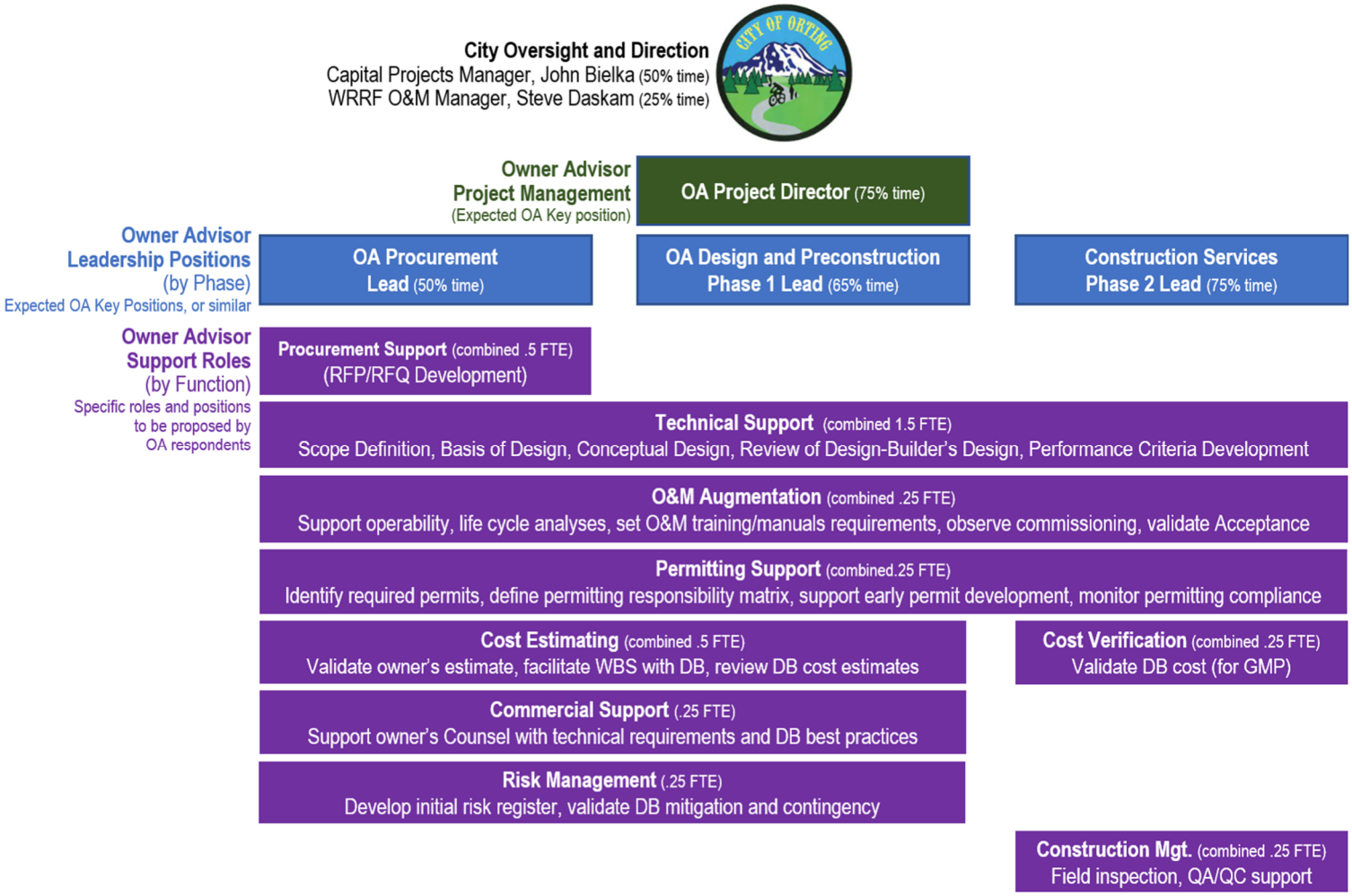
John attended the 2023 DBIA Water and Wastewater conference; completed the DBIA certification workshop and is sitting for the exam to earn his Design-Build Certified Professional from DBIA in May; and is currently attending the virtual Fundamentals of Collaborative Delivery course offered by the Water Collaborative Delivery Association (WCDA). The WCDA course covers design-build delivery and procurement, executing and delivery of design-build projects, and contracts and risk management with a specific emphasis on water and wastewater projects.

The City is currently being supported by the SCJ Team to obtain PRC approval and draft the Request for Qualification for the PDB. The SJC Team includes individuals that are well-versed in alternative and collaborative delivery methods and best practices from DBIA and the WCDA.

- A project organizational chart, showing **all** existing or planned staff and consultant roles.

  Note: The organizational chart must show the level of involvement and main responsibilities anticipated for each position throughout the project (for example, full-time project manager). If acronyms are used, a key should be provided. (See Attachment C for an example.)

  While the City's OA procurement is under way at the time of this submittal, it is anticipated that the successful OA respondent's team will support the identified City positions and fill the following specific positions and roles:



- Staff and consultant short biographies that demonstrate experience with DB contracting and projects (not complete résumés).

  John Bielka/City of Orting - Project Manager

  John Bielka is a civil engineer with over 30 years in project management. John has a Bachelor of Science in Civil Engineering with an emphasis in wastewater treatment, and has completed all classes for a Master's in civil engineering. He has overseen the design and construction of a variety of projects that includes distribution centers, fish meal plants, wastewater recirculation systems, fish farms, processing facilities, extrusion plants, feed plants etc.

  John has been the project manager rebuilding facilities, conducting feasibility assessments, and financial analysis of various companies. He has been involved in all aspects of permitting with both federal and state agencies.

  As noted above, John attended the 2023 DBIA Water and Wastewater conference, is taking the WCDA's Fundamentals of Collaborative Delivery course and will have obtained his certification as a Design-Build Certified Professional from DBIA prior to the PRC committee meeting.

Project and Owner	Delivery Approach	Cost	Role
Fish Farm and Processing Facility, Pacific Seafood, Omak, WA	PDB	$30M	Project Manager
Distribution Centers, Pacific Seafood, various locations in Nevada, California, Oregon, and Washington	PDB	$25M	Project Manager
Modification of Extrusion and Dryer L, Project, Agro Pacific, Chilliwack, BC	PDB	$12M	Project Manager
Pan Fish Processing Plant, Panfish ASA, Porty Hardy, BC	PDB	$25M	Project Manager
Fish Meal Plant, Pacific Seafood, Warrenton, OR	PDB	$15M	Project Manager

Steven Daskam/City of Orting - WRRF Supervisor

Steven Daskam manages operations of the Orting WRRF and has 15 years of experience as a wastewater operator. Steven has supported many diverse treatment systems, including the Pierce County Chambers Creek WWTP biosolids dryer and centrifuge, producing class A biosolids. He spent over 10 years at King County, working at various treatment facilities, including Carnation WWTP, Vashon WWTP, and as the Senior Operator in Charge of the East Offsite. He was directly involved in the operations of the $1.8 Billion Brightwater Treatment Plant and conveyance system. During execution of the GC/CM phase, Steven served as the Operator Liaison working with the GC/CM team providing operability, maintainability, and durability comments in plan and submittal reviews. He provided these comments through regular meetings with the GC/CM, design, and owner team. Steven has supported the City of Orting since October of 2021, working on current projects including this biosolids upgrade. Steven is currently enrolled in the WCDA's Fundamentals of Collaborative Delivery course.

Project and Owner	Delivery Approach	Cost	Role
Brightwater Treatment Plant, King County Wastewater Treatment Division (WTD), Seattle, WA	GC/CM	$1.8B	Operations Liaison
Kirkland Pump Station and Force Main Upgrade Project, King County Wastewater Treatment Division (WTD), Seattle, WA	DB	$20M	Operations Liaison
Sunset/Heathfield Pump Station Force Main Upgrade. King County Wastewater Treatment Division, (WTD), Bellevue, WA	DB	$40M	Operations Liaison
Brightwater Reclaimed Water Distribution System, King County Wastewater Treatment Division, Seattle, WA	GC/CM	$1.8B	Operations Liaison

Leofwin Clark/ATCD - OA Procurement Lead (subconsultant to SCJ Alliance)

Leofwin Clark has over 30 years of experience developing and implementing collaborative delivery approaches as an owner and a consultant. He has advised owners on project delivery methodology analyses, solicitation strategies and procurement document development and evaluation criteria. His experience includes staff workshops, proposer evaluation support, selection methodology strategy, and implementation phase training for water and wastewater design-build projects.

Leofwin is the Water Collaborative Delivery Association (WDCA) Assistant Director and Education Director and has previously served as a WDCA past president and Education Committee Chair. He has also served as DBIA Water/Wastewater Committee and Owner Advisor Task Force Member.

Project and Owner	Delivery Approach	Cost	Role
McCarron's Water Treatment Improvements, St. Paul Water Services (SPRWS), St. Paul, MN	PDB	$175M	Owner Adviser
Biosolids Digestion Facilities Project, San Francisco PUC, San Francisco, CA	P3	$1.2B	Owner Advisor Procurement Task Lead, Biogas Utilization Project
Groundwater Treatment Plants Program, City of Anaheim, Anaheim, CA	FPDB	$300M	Owner Advisor
Program Management and OA Services, Charlotte Water Department, Charlotte, NC	PDB and CMAR (GC/CM)	>$500M	Owner Advisor
Pure Water Program, Soquel Creek Water District, Soquel, CA	PDB and Operations and Maintenance At-Risk	$200M	Owner Advisor
Cedar Treatment Facility, Seattle Public Utilities, Seattle, WA	Design-Build-Operate	$75M	Proposal Manager

Patrick Burke, PE/Jacobs - OA Technical Lead (subconsultant to SCJ Alliance)

Pat has 43 years of experience spanning all aspects of wastewater treatment plant planning, design, construction, testing and commissioning. He has extensive experience advising owners on alternative construction contracting, with expertise gained through his leadership roles on $2 billion of wastewater treatment plant improvements. He is supporting the SCJ Alliance team as a senior technical advisor focused on treatment process and biosolids handling optimization. His representative alternative project delivery experience is summarized below:

Project and Owner	Delivery Approach	Cost	Role
Brightwater Treatment Plant, King County Wastewater Treatment Division (WTD), Seattle, WA	GC/CM	$488M	Project Manager
Biosolids Digestion Facilities Project, San Francisco PUC, San Francisco, CA	GC/CM	$1.2B	Task Lead GC/CM Support and Project Optimization
Brightwater Influent Pump Station Motor Replacement, King County WTD, Seattle, WA	DB	$10M	Project Manager
Georgetown Wet Weather Treatment Station, King County WTD, Seattle, WA	GC/CM	$270M	Project Manager
West Point Treatment Plant Raw Sewage Pump Replacement, King County WTD. Seattle, WA	GC/CM	$180M	Project Manager

Jeremy Hollingsworth/Jacobs, PE, PMP, DBIA (subconsultant to SCJ Alliance)

Jeremy has 20 years of engineering experience in the planning, design, and construction of wastewater treatment and conveyance projects in both the municipal and private sectors. Jeremy is a Design-Build Certified Professional from DBIA, and has experience executing projects using traditional Design-Bid-Build (DBB) procedures as well as alternative delivery methods such as Design-Build (DB) and General

Contractor/Construction Manager (GC/CM) contracting procedures. He has a broad range of experience covering numerous project roles including project engineer, design manager, project manager, field engineer, and construction manager. His experience includes execution of alternative delivery projects ranging in size from less than $1M to over $350M.

Project and Owner	Delivery Approach	Cost	Role
Water Softener Design-Build Project American Water	DB	$5M	Design Manager/ Lead Project Engineer/ Field Engineer
Process Wastewater Conveyance Design-Build Project Confidential Client in Sunnyside, WA	DB	$2.7M	Design Manager/ Lead Project Engineer/ Field Engineer
Chambers Creek Regional WWTP Expansion Project Pierce County, WA	GC/CM	$342M	Facilities Lead for Aeration Basin and Primary Clarifiers

- Provide the ***experience and role on previous DB projects*** delivered under RCW 39.10 or equivalent experience for each staff member or consultant in key positions on the proposed project. (*See Attachment D for an example. The applicant shall use the abbreviations as identified in the example in the attachment.)*

  See Attachment B, Project Experience of the PDB Team

- The qualifications of the existing or planned project manager and consultants.
  Note: For Design-Build projects, you must have personnel who are independent of the Design-Build team, knowledgeable in the Design-Build process, and able to oversee and administer the contract.

  The City's Project Manager, John Bielka, has over 30 years of project management experience covering traditional design-bid-build contracts, is obtaining his DBIA certification in May 2023, and is currently enrolled in the WCDA's Fundamentals of Collaborative Delivery course. John is a civil engineer with all classes completed for a master's in engineering. In the private sector, John constructed distribution centers, feed plants, extrusion lines, recirculating fish farms (similar to a wastewater treatment process). In the public sector, John is leading the rehabilitation of sewer lines, replacement of asbestos cement water lines, well systems, roadway construction, and risk assessment for the City of Orting.

- If the project manager is interim until your organization has employed staff or hired a consultant as the project manager indicate whether sufficient funds are available for this purpose and how long it is anticipated the interim project manager will serve.

  Not applicable. The City's Project Manager, John Bielka, a permanent, full-time City employee.

- A brief summary of the construction experience of your organization's project management team that is relevant to the project.

  The City of Orting is responsible for planning and delivering more than $50M dollars of capital projects. Those projects include wastewater treatment plant, pedestrian bridge, Kansas Street reconstruction, Whitehawk bypass, Calistoga Stormwater project, Village Green outfall construction, sewer relining, AC watermain replacements, pavement replacement, and ADA compliance.

  John Bielka has significant project management and construction oversight experience from his tenures in the private sector, public agencies, and is backed by the experience, depth, and senior leadership of Orting's Capital Projects Group. John will report to the City of Orting's Administrator, Mayor, and City Council, who are responsible for the oversight of capital projects.

  In addition, Steven Daskam manages the City's WRRF and has provided technical support on inspection, maintenance, and pipeline rehabilitation for the City of Orting, and prior to that, King County, for over 10 years.

  The City of Orting project team are focused on alternative project delivery to allow for an integrated team to continue our long history of successfully completing large and complex construction projects.

- A description of the controls your organization will have in place to ensure that the project is adequately managed.

  During procurement of the design-builder, procedures will be implemented by the City of Orting procurement with support from the OA and project team to ensure that the procurement process, criteria, and project requirements comply with RCW 39.10.

  Project Controls

  Orting, with the assistance of its OA, will conduct construction price negotiations with the design-builder in a transparent and open book manner.

  The City of Orting and its OA will use an Earned Value Management (EVM) system to monitor and control the project budget and schedule progress for the project. EVM allows the City, OA, and design-builder to work together to track how the planned budget and schedule are working in tandem and determine if the project is under or over budget, and ahead or behind schedule. The EVM system will allow the City to monitor project progress, planning and execution, forecast progress, quantify schedule and cost variances, and will provide a method of quality control for the schedule and budget.

  The RFP for the design-builder will establish the requirement and definition of open book pricing and will require the design-builder to submit a baseline plan that includes a Work Breakdown Structure (WBS) with an associated schedule of values as well as a Critical Path Method (CPM) Schedule based on the same WBS. This information will form the baseline performance plan for the project. In addition, the City, OA, and design-builder will meet early in the project to develop a risk register that will identify potential project risks to the scope, schedule, or budget and identify steps to avoid and/or mitigate each risk. The City, OA, and design-builder will hold monthly status review meetings to discuss trends and variances in the schedule and costs; potential scope changes; emerging and on-going issues; and the updated risk register.

  For a guaranteed maximum price (GMP) implementation, the design-builder will be required to submit a monthly progress report upon which progress payments will be made. This report will include reporting actual costs and schedule progress on the schedule of values and will include the identification of new project risks, potential scope changes, and emerging issues in both the EVM tracking tool and a narrative. Payment will be made to the design-builder based on earned value and actual audited costs incurred. The City's OA will audit actual costs and reported earned value monthly against the baseline information from the design-builder using an EVM tool. Using this tool, both the schedule and costs can be monitored to proactively identify issues and monitor and manage them early while they can still be influenced. Should the City opt for a lump sum (LS) implementation, actual costs during construction will not be audited; the basis of payment to the design-builder will be based on earned value.

The City's Project Manager will have the authority and responsibility to manage changes to the contract within the limits of the established project contingency. Changes above these limits will require Council approval. In order to streamline reporting and approvals, the progress meetings with the design-builder will be coordinated during the 4th week of the month. Then the City's Project Manager will report the project status at the City's Public Works Committee meeting during the 1st week of the month. Issues that need escalation can then be carried to the Council study session during the 2nd week of the month and to the Council meeting for a vote during the 3rd week of the month.

Technical Reviews

The City and design-builder will implement design reviews, design logs, and trend logs throughout the course of design development to ensure that the project goals, criteria, and requirements are met by the design packages. Orting will be the primary party responsible for engineering reviews related to design development by the design-builder, and stakeholder integration related to engineering development by the design-builder. Technical expertise will be contributed by the OA, who will assist with technical design reviews as needed to supplement City expertise.

Construction Reviews

During construction, field quality assurance will be a combined team effort, with the City of Orting and OA oversight of work. Quality control and implementation of quality processes will be the responsibility of the design-builder, including the design-builder's engineer of record.

Close-Out

The City of Orting's document and project controls best practices will be leveraged throughout the WRRF Upgrade Project. At the completion of the project, the OA will prepare a project close-out report, which will capture all pertinent project data and lessons learned.

- A brief description of your planned DB procurement process.

  The City of Orting will conduct the PDB procurement process consistent with the process and criteria requirements of RCW 39.10. Orting will follow the required two-step procurement process for DB, starting with the issuance of a Request for Qualifications (RFQ). Once Statements of Qualifications (SOQs) are submitted, Orting will review and score SOQs in accordance with the criteria identified in the RFQ. Based on SOQ scoring, Orting will select finalists to submit proposals, which is anticipated to include up to three short-listed design-builders. The short-list will receive a Request for Proposals (RFP), which will identify the submittal requirements for proposals, to include management and technical information, proposed pricing for preconstruction and design services, and one or more price-related factors applicable to the construction scope. During the proposal period, it is anticipated that an interactive proprietary meeting and/or interview will be held with each finalist. Orting will then conduct proposal scoring according to the criteria laid out in the RFQ and RFP to identify the highest ranked firm on a best-value basis.

- Verification that your organization has already developed (or provide your plan to develop) specific DB contract terms.

  The City is currently reviewing the DBIA's form of contract for water/wastewater PDB projects and anticipates using a substantially unmodified version of DBIA Forms 535 (General Conditions) and 545 (Progressive Design-Build Agreement for Water and Wastewater Projects) for this project.

  The City specifically asked for input on preferred contract forms during the Market Sounding process and, for any company expressing a preference, the feedback was unanimous in recommending these forms of contract for a project of this type.

7. **Public Body (your organization) Construction History:**
Provide a matrix summary of your organization's construction activity for the past six years outlining project data in content and format per the attached sample provided:

- Project Number, Name, and Description
- Contracting method used
- Planned start and finish dates
- Actual start and finish dates
- Planned and actual budget amounts
- Reasons for budget or schedule overruns

See Attachment C, Construction History, which includes projects delivered by the City of Orting over the past 10 years.

8. **Preliminary Concepts, sketches or plans depicting the project**
To assist the PRC with understanding your proposed project, please provide a combination of up to six concepts, drawings, sketches, diagrams, or plan/section documents which best depict your project. In electronic submissions these documents must be provided in a PDF or JPEG format for easy distribution. Some examples are included in attachments E1 thru E6. At a minimum, please try to include the following:

- An overview site plan *(indicating existing structure and new structures)*
- Plan or section views which show existing vs. renovation plans particularly for areas that will remain occupied during construction.
Note: applicant may utilize photos to further depict project issues during their presentation to the PRC

Attachment D, Vicinity and Site Map, includes the vicinity and location of existing facilities at the WRRF and a listing of proposed improvements to be included. No plan or section views have been developed to-date for these upgrade improvements; photos to illustrate project issues will be included in the presentation to the PRC.

9. **Resolution of Audit Findings On Previous Public Works Projects**
If your organization had audit findings on any project identified in your response to Question 7, please specify the project, briefly state those findings, and describe how your organization resolved them.

The City of Orting's Public Works Building project (a pre-engineered pole barn building), was completed as a fixed price design-build in 2019 and was audited; no audit findings were made.

10. **Subcontractor Outreach**
Please describe your subcontractor outreach and how the public body will encourage small, women and minority-owned business participation.

The City of Orting is an equal opportunity and affirmative action employer. Small, minority, and women-owned businesses are encouraged to participate. As such, the City is committed to the meaningful involvement of qualified W/M/DBE firms on this project. In addition, the City of Orting commits, in accordance with Section 504 of the Rehabilitation Act and the Americans with Disabilities Act (ADA), to nondiscrimination on the basis of disability, in all of its programs and activities.

The City of Orting follows the guidelines for W/M/DBE compliance by ensuring that a certain percentage of contracts are awarded to W/M/DBE certified firms. For this project, the City will proactively require a minimum of a 10% participation goal under the design-build contract, to be allocated in aggregate within the design and construction scope. To support this goal, the City will require its design-builder to implement Good Faith Efforts (GFE) that mirror those required by SRF, WIFIA, and other relevant agencies and, in general, actively seek out W/M/DBE participation.

During the City's Market Sounding, respondents were requested to provide their input on the 10% W/M/DBE goal given the specialty nature of construction in wastewater treatment plants, track records on similar projects and how they track compliance with project specific goals. All participants indicated that, while challenging given the special scopes and location of Orting relative to the larger population areas (Seattle and Tacoma) with a larger population of W/M/DBE firms, such a goal is reasonable.

In addition, during the SOQ phase of the PDB procurement, the City will require its OA to reach out to the State Office of Minority Women Business Enterprises to make them aware of project opportunities and enlist their support to advertise to local firms and access their database. The OA will engage Tabor 100 in Tukwila, the National Association of Minority Contractors, and the NW Minority Business Alliance. Following the shortlisting of qualified PDB teams, the City will conduct a formal pre-bid meeting. At this pre-bid meeting, each of these organizations will have the opportunity to meet with the prequalified teams to understand opportunities for involvement each team will make, so members can contact the teams and be involved in the project execution.

In the Statement of Qualifications (SOQ) submittals, PDB respondents will be asked to provide their approaches and track records on reference projects relative to meeting W/M/DBE goals. In their proposals, shortlisted firms will be asked to provide a project-specific outreach plan, which will be evaluated and scored by the City. In evaluating proposals, the City recognizes that M/W/DBE firms are unable to accept significant risks, such as the risk of increased quantities after bidding resulting in claims from the Contractor, which can represent a substantial commercial exposure for smaller firms. Therefore, the City will emphasize that the PDB proposals clearly identify the scopes of work targeted for W/M/DBE participation in conjunction with how the design-builders will leverage the progressive nature of the PDB delivery method to attract W/M/DBE participation.

CAUTION TO APPLICANTS

The definition of the project is at the applicant's discretion. The entire project, including all components, must meet the criteria of RCW 39.10.300 to be approved.

SIGNATURE OF AUTHORIZED REPRESENTATIVE

In submitting this application, you, as the authorized representative of your organization, understand that: (1) the PRC may request additional information about your organization, its construction history, and the proposed project; and (2) your organization is required to submit information requested by the PRC. You agree to submit this information in a timely manner and understand that failure to do so may delay action on your application.

The PRC strongly encourages all project team members to read the Design-Build Best Practices Guidelines as developed by CPARB and attend any relevant applicable training. If the PRC approves your request to use the DB contracting procedure, you also agree to provide additional information if requested.

The 2021 Legislature updated RCW 39.10.330(8) stating that Design-Build contracts must require the awarded firm to track and report to the public body and to the office of minority and women's business enterprises (OMWBE) its utilization of the OMWBE certified businesses and veteran certified businesses. By submitting this application, you agree to include these reporting requirements in project contracts.

I have carefully reviewed the information provided and attest that this is a complete, correct and true application.

Signature: Scott M Larson

Name: *(please print)* Scott Larson *(public body personnel)*

Title: City Administrator

Date: April 20, 2023

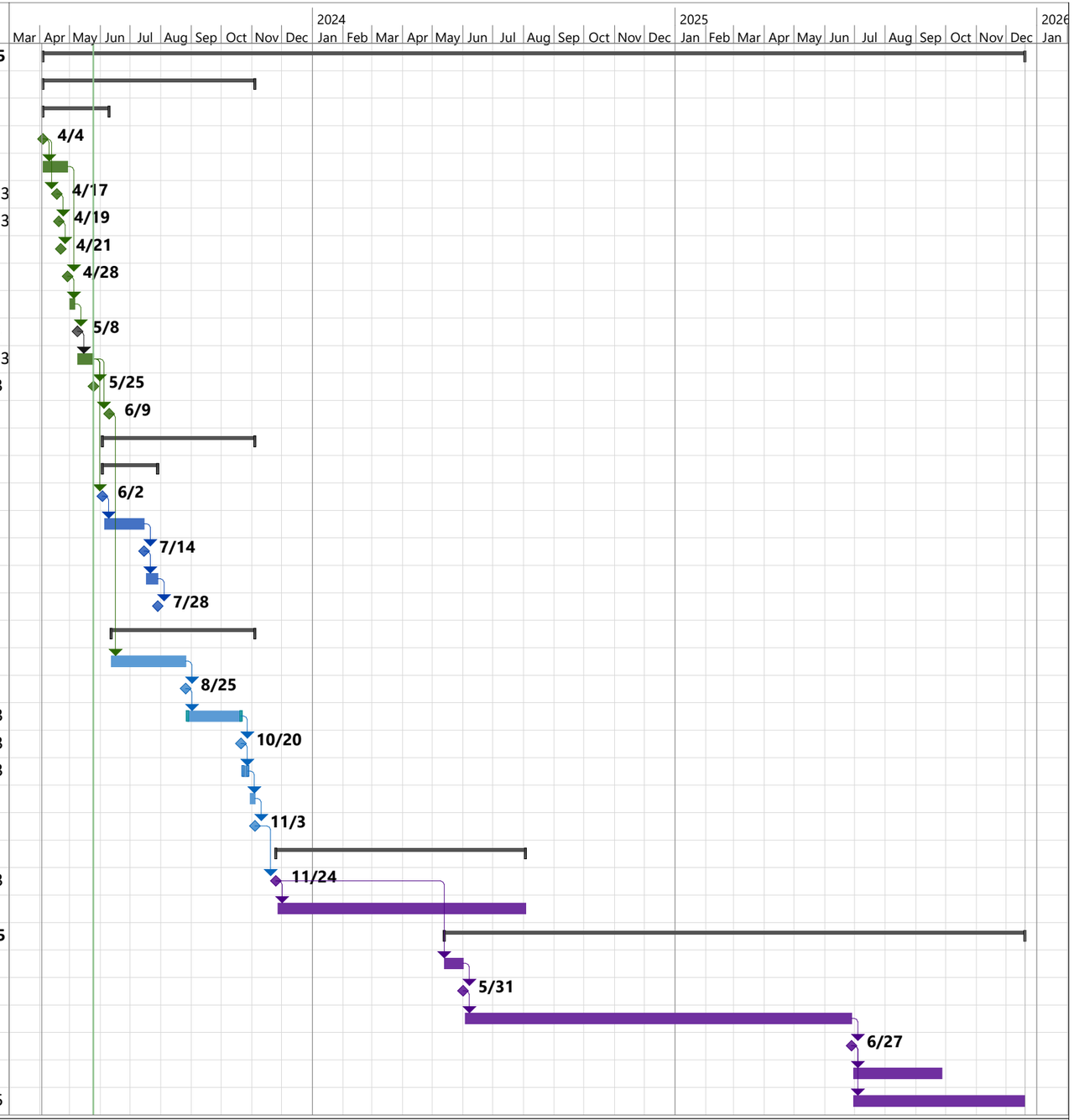
Attachments:

A. Project Schedule
B. Project Experience
C. Construction History
D. Vicinity and Site Map

ATTACHMENT A
PROJECT SCHEDULE

ATTACHMENT A: PROJECT SCHEDULE
ORTING WRRF UPGRADE PROJECT

ID	Task Mode	Task Name	Duration	Start	Finish
1		**ORTING WRRF Upgrade Project**	**709 days**	**Tue 4/4/23**	**Fri 12/19/25**
2		**Phase 0 - Owner Advisor and PDB Procurement**	**154 days**	**Tue 4/4/23**	**Fri 11/3/23**
3		**Owner Advisor (OA) Procurement**	**49 days**	**Tue 4/4/23**	**Fri 6/9/23**
4		Issue RFP for Owner Advisor	0 days	Tue 4/4/23	Tue 4/4/23
5		OA Teams Prepare Proposals	19 days	Tue 4/4/23	Fri 4/28/23
6		OA Pre-Proposal Meeting	0 days	Mon 4/17/23	Mon 4/17/23
7		Deadline for OA RFP Questions	0 days	Wed 4/19/23	Wed 4/19/23
8		City Addendum to RFP (Replies to Questions)	0 days	Fri 4/21/23	Fri 4/21/23
9		OA RFP Submittal Deadline	0 days	Fri 4/28/23	Fri 4/28/23
10		OA Interviews and Evaluation of Teams	5 days	Mon 5/1/23	Fri 5/5/23
11		OA Notice of Award	0 days	Mon 5/8/23	Mon 5/8/23
12		OA Contract Negotiations	12 days	Tue 5/9/23	Wed 5/24/23
13		CPARB - PRC Presentation	0 days	Thu 5/25/23	Thu 5/25/23
14		OA Notice to Proceed	0 days	Fri 6/9/23	Fri 6/9/23
15		**Progressive Design Build (PDB) Procurement**	**110 days**	**Fri 6/2/23**	**Fri 11/3/23**
16		**PDB Qualifications**	**40 days**	**Fri 6/2/23**	**Fri 7/28/23**
17		Issue RFP for PDB Participation	0 days	Fri 6/2/23	Fri 6/2/23
18		PDB Teams Prepare Proposals	6 wks	Mon 6/5/23	Fri 7/14/23
19		PDB SOQs Due	0 days	Fri 7/14/23	Fri 7/14/23
20		Evaluate PDB SOQs	2 wks	Mon 7/17/23	Fri 7/28/23
21		Shortlist PDB Teams	0 days	Fri 7/28/23	Fri 7/28/23
22		**Progressive Design Build Proposal**	**105 days**	**Mon 6/12/23**	**Fri 11/3/23**
23		Complete RFP for PDB Procurement	55 days	Mon 6/12/23	Fri 8/25/23
24		Issue RFP to Shortlisted PDB Firms	0 days	Fri 8/25/23	Fri 8/25/23
25		Shortlisted PDB Teams Prepare Proposals	8 wks	Mon 8/28/23	Fri 10/20/23
26		PDB Proposals Due	0 days	Fri 10/20/23	Fri 10/20/23
27		Evaluate PDB Proposals	1 wk	Mon 10/23/2	Fri 10/27/23
28		Interview PDB Firms and Evaluation of Teams	1 wk	Mon 10/30/2	Fri 11/3/23
29		Select PDB	0 days	Fri 11/3/23	Fri 11/3/23
30		**Phase 1**	**180 days**	**Fri 11/24/23**	**Fri 8/2/24**
31		Issue NTP to PDB	0 days	Fri 11/24/23	Fri 11/24/23
32		Complete Phase 1 (Design and Preconstruction Phase)	36 wks	Mon 11/27/2	Fri 8/2/24
33		**Phase 2**	**420 days**	**Mon 5/13/24**	**Fri 12/19/25**
34		Negotiate Price Proposal	3 wks	Mon 5/13/24	Fri 5/31/24
35		Contract Price Proposal Acceptance (Construction NTP)	0 days	Fri 5/31/24	Fri 5/31/24
36		Complete Phase Two (Construction Phase)	56 wks	Mon 6/3/24	Fri 6/27/25
37		Substantial Completion	0 days	Fri 6/27/25	Fri 6/27/25
38		Complete Start-up, Commissioning, Acceptance Testing	13 wks	Mon 6/30/25	Fri 9/26/25
39		Final Completion	25 wks	Mon 6/30/25	Fri 12/19/25



Project: Orting WRRF Schedule
Date: Thu 4/13/23

Task
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Summary

ATTACHMENT B
PROJECT EXPERIENCE

ATTACHMENT B
PROJECT EXPERIENCE AND ROLES OF PDB TEAM

CITY OF ORTING PROJECT EXPERIENCE						Role during Project Phase		
No	**Name**	**Summary of Experience**	**Project Name**	**Project Size**	**Project Type**	**Planning**	**Design**	**Construction**
1	John Bielka	John has a Bachelor of Science in Civil Engineering with an emphasis in wastewater treatment. He has more than 30 years of experience overseeing the design and construction of a variety of projects that includes distribution centers, fish meal plants, wastewater recirculation systems, fish farms, processing facilities, extrusion plants, feed plants. Involved with acquisitions. Conducted feasibility assessments & financial analysis, procurement of equipment, and necessary materials. Served as the project manager responsible for the restructuring of several companies while restoring existing projects' adherence to schedules and budgets. Research equipment, obtaining cost estimates, and all necessary permits including EPA, Ecology NPDES. Decommissioning existing facilities such as old fish farms, distribution centers. John has managed projects and departments, including up to 200 people at a time.	Fish Farm and Processing Facility, Pacific Seafood, Omak, WA	$30 M	PDB	PM	PM	PM
			Distribution Centers, Pacific Seafood, various locations in Nevada, California, Oregon, and Washington	$20+ M	PDB	PM	PM	PM
			Modification of Extrusion and Dryer L, Project, Agro Pacific, Chilliwack, BC	$12 M	PDB	PM	PM	PM
			Pan Fish Processing Plant, Panfish ASA, Porty Hardy, BC	$25 M	PDB	PM	PM	PM
			Fish Meal Plant, Pacific Seafood, Warrenton, OR	$15 M	PDB	PM	PM	PM
			Fish Farm and Processing Facility, Pacific Seafood, Omak, WA	$45 M	Rebuilding Management Team	PM	PM	PM

CITY OF ORTING PROJECT EXPERIENCE						Role during Project Phase		
No	**Name**	**Summary of Experience**	**Project Name**	**Project Size**	**Project Type**	**Planning**	**Design**	**Construction**
2	Steve Daskam	Steve is a wastewater operations manager and has served as the Operations Subject Matter Expert and Lead on multiple large projects in King County. His history of construction projects with King county includes Kirkland Pump Station Upgrade, N. Mercer Upgrade, BINI system storage and diversion for Brightwater, RW system for Brightwater, Conversion of old Force main to new RW line, Relining of the ESI that goes from Juanita area to Renton, Sunset, Heathfield pump station upgrade. During these projects, Steve served as the Operations SME and made design decisions and recommendations based on operational needs of these facilities and coordinated with the CMs and PMs to ensure work was completed properly and operating per standard specifications.	Kirkland Pump station upgrade, Kirkland WA	$20 M	DBB	NA	NA	Operations SME & Lead
			BINI System, Brightwater storage and diversion. Woodinville, WA	$1.8 B	DB (Pat to confirm)	NAPM	NAPM	Operations SME & Lead
			Brightwater Reclaimed Water distribution system, Woodinville WA	$1.8 B	DB	NA	NA	Operations SME & Lead
			Sunset/Heathfield Pump station and FM upgrade, Bellevue WA	$40 M	DBB	NA	NA	Operations SME & Lead
			ESI re lining project. Juanita-Renton, WA	$10 M (EST)	DB (confirm)	NA	NA	Operations SME & Lead
			North Mercer Pump Station and Force Main Upgrade, Seattle, WA	$40 M	X	NA	Operations SME & Lead	NA

OWNER'S ADVISOR PROJECT EXPERIENCE						Role during Project Phase		
No	**Name**	**Summary of Experience**	**Project Name**	**Project Size**	**Project Type**	**Planning**	**Design**	**Construction**
3	Leofwin Clark	Leofwin Clark has over 30 years' experience developing and implementing collaborative delivery approaches as an owner and a consultant. He has advised owners on project delivery methodology analyses, solicitation strategies and procurement document development and evaluation criteria. His experience includes staff workshops, proposer evaluation support, selection methodology strategy, and implementation phase training for water and wastewater design-build projects. Leofwin is the Water Collaborative Delivery Association (WDCA) Assistant Director and Education Director and has previously served as a WDCA past president and Education Committee Chair. He has also served as DBIA Water/Wastewater Committee and Owner Advisor Task Force Member.	McCarron's Water Treatment Improvements, St. Paul Water Services (SPRWS), St. Paul, Minnesota.	$175 M	PDB	OA	OA	OA
			Biosolids Digestion Facilities Project, San Francisco PUC, San Francisco, CO	$1.2 B	P3	OA Procurement Task Lead	Biogas Utilization Project Lead	Biogas Utilization Project Lead
			Groundwater Treatment Plants Program, City of Anaheim, Anaheim, CA	$300 M	FPDB	OA	OA	OA
			Program Management and OA Services, Charlotte Water Department, Charlotte, NC	$500+ M	GC/CM	OA	OA	OA
			Pure Water Program, Soquel Creek Water District, Soquel, CA	$200 M	PDB + OM at Risk	OA	OA	OA
			Cedar Treatment Facility, Seattle Public Utilities, Seattle, WA	$75 M	DBO	Proposal Manager	NA	NA

OWNER'S ADVISOR PROJECT EXPERIENCE						Role during Project Phase		
No	**Name**	**Summary of Experience**	**Project Name**	**Project Size**	**Project Type**	**Planning**	**Design**	**Construction**
4	Patrick Burke, PE	Pat has 43 years of experience spanning all aspects of wastewater treatment plant planning, design, construction, testing and commissioning. He has extensive experience advising owners on alternative construction contracting, with expertise gained through his leadership roles on $2 billion of wastewater treatment plant improvements. He is supporting the SCJ Alliance team as a senior technical advisor focused on treatment process and biosolids handling optimization	Brightwater Treatment Plant, King County Wastewater Treatment Division (WTD), Seattle, WA	$488 M	GC/CM	PM	PM	PM
			Biosolids Digestion Facilities Project, San Francisco PUC, San Francisco, CA	$1.2 B	GC/CM	Task Lead GC/CM Support and Project Optimization	Task Lead GC/CM Support and Project Optimization	Task Lead GC/CM Support and Project Optimization
			Brightwater Influent Pump Station Motor Replacement, King County WTD, Seattle, WA	$10 M	DB	PM	PM	PM
			Georgetown Wet Weather Treatment Station, King County WTD, Seattle, WA	$270 M	GC/CM	PM	PM	PM
			West Point Treatment Plant Raw Sewage Pump Replacement, King County WTD. Seattle, WA	$180 M	GC/CM	PM	PM	PM

OWNER'S ADVISOR PROJECT EXPERIENCE						Role during Project Phase		
No	**Name**	**Summary of Experience**	**Project Name**	**Project Size**	**Project Type**	**Planning**	**Design**	**Construction**
5	Jeremy Hollingsworth, PE, PMP, DBIA	Jeremy has 20 years of engineering experience in the planning, design and construction of wastewater treatment and conveyance projects in both the municipal and private sectors. Jeremy is a Design-Build Certified Professional from DBIA, and has experience executing projects using traditional Design-Bid-Build (DBB) procedures as well as alternative delivery methods such as Design-Build (DB) and General Contractor/Construction Manager (GC/CM) contracting procedures. He has a broad range of experience covering numerous project roles including project engineer, design manager, project manager, field engineer and construction manager. His experience includes execution of alternative delivery projects ranging in size from less than $1M to over $350M.	Water Softener Design-Build Project American Water	$5 M	DB	NA	Design Manager/ Lead Project Engineer/ Field Engineer	Design Manager/ Lead Project Engineer/ Field Engineer
			Process Wastewater Conveyance Design-Build Project Confidential Client in Sunnyside, WA	$2.7 M	DB	NA	Design Manager/ Lead Project Engineer/ Field Engineer	Design Manager/ Lead Project Engineer/ Field Engineer
			Chambers Creek Regional WWTP Expansion Project Pierce County, WA	$342 M	GC/CM	NA	Facilities Lead for Aeration Basin and Primary Clarifiers	Facilities Lead for Aeration Basin and Primary Clarifiers

ATTACHMENT C
CONSTRUCTION HISTORY

ATTACHMENT C
CITY OF ORTING 10-YR CONSTRUCTION HISTORY

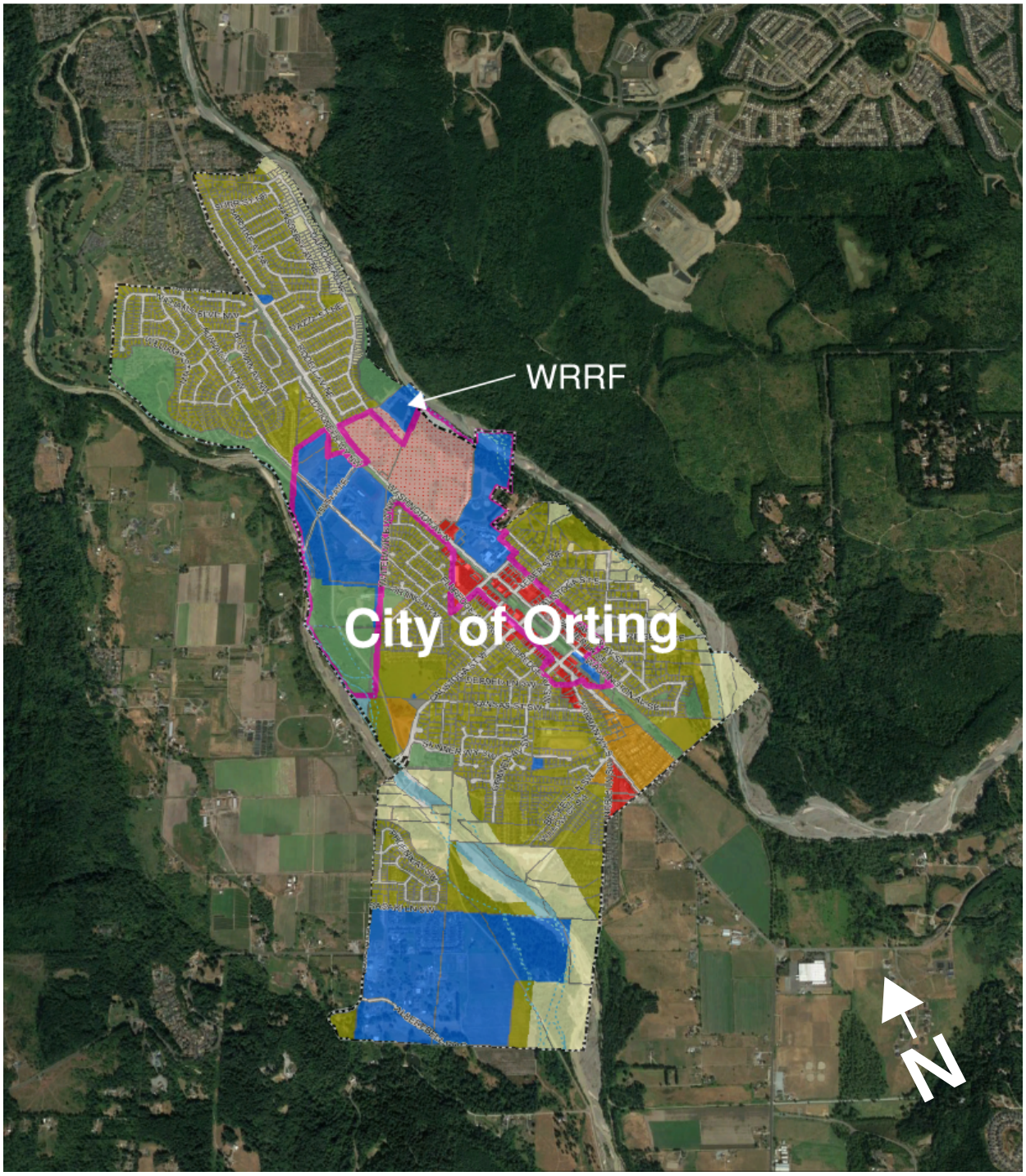
City of Orting – Construction History (10 years)										
Project No.	**Project Name**	**Project Description (1-2 Sentences)**	**Contracting Method**	**Planned Start (MM/YY)**	**Planned Finish (MM/YY)**	**Actual Start (MM/YY)**	**Actual Finish (MM/YY)**	**Planned Budget ($X.XM)**	**Actual Budget ($X.XM)**	**Reason for Budget or Schedule Overrun**
1	Public Works Building	Construction of a new single-story pre-engineered pole building for the City of Orting's Public Works offices. The project did not require CPARB approval per RCW 39.10.	D-B	6/1/2018	7/24/2019	6/1/2018	6/13/2019	$2,258,925	$2,062,196	The project was constructed on schedule and was delivered under budget by $196,729.
2	2020 Lift Stations	The project included the removal and abandonment of the existing Puyallup River Lift Station and rehabilitation of the Rainier Meadows Lift Station.	D-B-B	9/27/2021	5/21/2022	9/27/2021	7/26/2022	$1,444,088	$1,395,157	The project had a 2-month schedule delays due to weather delays and COVID-19 related delays due to pandemic shut-downs and material delays. The project was delivered under budget by $48,931.
3	Well 1 VFDs	The Well 1 Control Improvements involves the installation of three variable frequency drives (VFDs) for domestic flow pumps, motor upgrades, mechanical piping and valve upgrades, associated electrical, telemetry, instrumentation and control upgrades at a municipally owned drinking water well site.	D-B-B	6/14/2021	8/18/2021	6/15/2021	11/6/2021	$191,275	$181,794	There was a 3-month schedule delay due to an existing damaged pump and valves that required reconstruction and replacement. This delayed the completion of the VFD and motor integration. A formal contract extension was issued based on changed conditions. The project was completed under budget by $9,481.
4	Gratzer Park Phase 2	This project consisted of constructing a multipurpose field and appurtenances including a complete irrigation system and underdrain system for the multipurpose field.	D-B-B	6/2/2021	8/6/2021	6/4/2021	10/6/2021	$589,445	$495,022	The project schedule was extended by 2-months due to weather delays and unseasonable high groundwater levels. The project was completed under budget by $94,423.
5	City Hall	The Orting City Hall Project entails the construction of a new structure and site improvements for use by the City of Orting to house the City's Administrative, Municipal Courts, and Police Department. The work includes the demolition of existing on-site structures, extension or improvements utilities both on and off the site; site and right-of-way improvements and the construction of the new single story wood frame structure as shown in the bid documents.	D-B-B	Oct 2019	9/1/2020	10/2019	10/5/2020	5,443,750	5,103,676	The construction schedule slipped by 1-month due to COVID-19 related delays including pandemic shut-downs and material delays. The project was completed under budget by 340,076.

City of Orting – Construction History (10 years)										
6	WWTP Solids Lagoon Dredging	Removal of approximately 528 dry tons from the wastewater treatment plant (WWTP) lagoons.	D-B-B	10/2/2017	11/1/2017	10/2/2017	11/1/2017	$756,628	$756,620	The project was completed on schedule and on budget.
7	Orville Road	The project consisted of installing approximately 9,900 feet of 6- and 8-inch water main, a sampling station, an air release valve, multiple fire hydrants, multiple service connections connecting to existing water mains, and approximately 8,400 feet of fencing.	D-B-B	8/28/2017	01/25/2018	8/21/2017	03/28/2018	$1,473,455	$1,460,927	There was a 2-month schedule delay due to high groundwater and property owner coordination issues. The project was completed under budget by $12,528.
8	Sanitary Sewer Rehabilitation	The project consisted of relining 2,600 feet of sewer mains within the City and rehabilitation of manholes.	D-B-B	6/26/2017	7/2/2017	6/26/2017	7/31/2017	$169,372	$228,294	A change order was authorized to add to the scope of the project which increased both the project cost and schedule duration.
9	Washington Avenue South Two-Way Left-Turn Lane Improvement Project	Project improvements included a new two-way left-turn lane on SR 162 (Washington Avenue) from the entrance of the Orting Safeway shopping center, through the intersection of Whitesell Street, and terminating at Leber Street. Other improvements included paving, curb and gutter, sidewalk, ADA-compliant curb ramps, replacement of water main, replacement of an existing 36-inch storm trunk main, and other associated improvements to the storm drainage, illumination, landscaping, and signage.	D-B-B	6/26/2017	11/2/2017	6/26/2017	5/27/2018	$1,466,362	$1,594,641	The project encounters a 6-month schedule delay due to unanticipated long lead times for specialty lighting. A project suspension was granted to allow for the procurement. The project was over budget overage by ($128,279) due to: 1. The discovery and removal of an unmapped underground storage tank (UST). 2. City-directed night work premiums. 3. Additional grading, paving and drainage work that was added to the contract. 4. Unsuitable subgrade foundations discovered under roadway surface that were removed and replaced.
10	High Cedars Lift Station	The High Cedars Force Main and Lift Station Replacement involved the removal & abandonment of approximately 3,975 feet of 6-inch diameter PVC force main; the removal & abandonment of the existing High Cedars Pump Station and wet well, construction of 115 feet of 12-inch diameter gravity sewer; 2,090 feet of 4-inch diameter force main sewer; a submersible lift station; one pigging chamber; connections to an existing force main; golf course surface restoration; and roadway and parking lot restoration including curbs and driveways.	D-B-B	3/11/2016	6/27/2016	3/11/2016	10/12/2016	$1,067,906	$1,107,948	The project encountered a schedule delay of 3.5 months as a result of unanticipated long lead times associated with pump procurement. A project suspension was granted to allow for the procurement. The project was over budget overage by ($40,042) due to: 1. Conflicts with unmarked utilities. 2. Failure of the existing lift station during construction and necessary repairs.

City of Orting – Construction History (10 years)										
11	Rainier Lane SE, 100 Block Utility Improvements	The Rainier Lane SE 100 Block Utility Improvement project included the installation of 196 feet of 8-inch-diameter storm sewer main, catch basins and appurtenances; 398 feet of 8-inch-diameter sanitary sewer main, manholes and side sewer connections; 424 feet of 8-inch-diameter water main and water service connections; and roadway restoration including extruded curb, driveways and hot mix asphalt roadway pavement.	D-B-B	10/6/2014	11/19/2014	10/6/2014	6/25/2015	$425,776	$416,011	Significant inclement weather was experienced in October 2014; therefore, the project was suspended until April of 2015 when the paving season reopened. The project was completed under budget by $9,765.
12	Calistoga Setback Levee	The City of Orting setback the Calistoga Levee on the right bank of the Puyallup River in order to reconnect the river to 46 acres of floodplain habitat. The project also improved fish access to a 1.25 mile tributary stream (including 55 acres of additional backwater/streambed habitat), installed several log jams along the banks of the river, and planted the floodplain with native trees and shrubs to increase floodplain forest habitat.	D-B-B	5/05/2014	8/31/2015	5/05/2014	5/11/2015	$15,280,973	$15,009,062	The project was completed 3-months ahead of schedule. The project was completed under budget by $271,911.

ATTACHMENT D
VICINITY AND SITE MAP

City of Orting - Water Resource Recovery Facility (WRRF)
Pierce County, Washington
Appendix D-1 Vicinity Map



Appendix D-1

City of Orting - Water Resource Recovery Facility (WRRF)
Pierce County, Washington
Appendix D-2 Site Map

Appendix D-2