



385-2023 ADDENDUM 2

NEWPCC DCS MIGRATION – GENERAL CONSTRUCTION PACKAGE

URGENT

**PLEASE FORWARD THIS DOCUMENT TO
WHOEVER IS IN POSSESSION OF THE
BID/PROPOSAL**

ISSUED: February 2, 2024
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**THIS ADDENDUM SHALL BE INCORPORATED
INTO THE BID/PROPOSAL AND SHALL FORM
A PART OF THE CONTRACT DOCUMENTS**

Template Version: Add 2021-03-05

Please note the following and attached changes, corrections, additions, deletions, information and/or instructions in connection with the Bid/Proposal, and be governed accordingly. Failure to acknowledge receipt of this Addendum in Paragraph 10 of Form A: Bid/Proposal may render your Bid/Proposal non-responsive.

FORM B: PRICES

Replace: 385-2023 Addendum 1-Form B: Prices with 385-2023 Addendum 2 - Form B: Prices. The following is a summary of changes incorporated in the replacement Form B: Prices:

Form B(R2): Add item 48 On-Call Support

PART E – SPECIFICATIONS

Revise: E1.4 to read: The following are applicable to the Work:

<u>Specification No.</u>	<u>Specification Title</u>
01 31 19	Project Meetings
01 32 16	Construction Progress
01 33 00	Submittals
01 43 00	Quality Requirements
01 45 00	Quality Control
01 50 00	Temporary Facilities
01 66 10	Delivery, Storage and Handling
01 74 23	Cleaning Up
01 77 00	Contract Closeout
01 91 31	Commissioning Plan
26 05 10	Common Work Results – Electrical
26 05 20	Electric Wires and Cables
26 05 29	Hangers and Supports for Electrical Systems
26 05 31	Splitters, Junction Boxes, Pull Boxes, and Cabinets
26 05 34	Conduits, Conduit Fastenings, and Conduit Fittings
26 05 36	Cable Trays for Electrical Systems
26 05 53	Electrical Identification
26 08 10	Electrical System Demonstrations
40 61 13	Instrument Loop Drawings
40 61 93	IO Lists
40 95 13	Control Panels
40 95 80	Fibre Optic Network
40 99 92	Automation Testing and Commissioning

Drawing No.

Drawing Name/Title

1-0101-AAAA-A000-001	DRAWING COVER PAGE
1-0101-AAAA-A001-001	LEGEND
1-0101-AGAD-B001-001	INSTRUMENTATION GENERAL ARRANGEMENT BOILER AREA CONTROL ROOM
1-0101-AGAD-C001-001	INSTRUMENTATION GENERAL ARRANGEMENT CENTRATE AREA CONTROL ROOM
1-0101-AGAD-D001-001	INSTRUMENTATION GENERAL ARRANGEMENT DIGESTER AREA CONTROL ROOM
1-0101-AGAD-G001-001	INSTRUMENTATION GENERAL ARRANGEMENT GRIT AREA CONTROL ROOM
1-0101-AGAD-M001-001	INSTRUMENTATION GENERAL ARRANGEMENT MAIN SERVER ROOM
1-0101-AGAD-P001-001	INSTRUMENTATION GENERAL ARRANGEMENT PRIMARY CLARIFIER AREA CONTROL ROOM
1-0101-AGAD-R001-001	INSTRUMENTATION GENERAL ARRANGEMENT HPO AREA CONTROL ROOM
1-0101-AGAD-S001-001	INSTRUMENTATION GENERAL ARRANGEMENT SECONDARY CLARIFIER AREA CONTROL ROOM
1-0101-AGAD-U001-001	INSTRUMENTATION GENERAL ARRANGEMENT UV AREA CONTROL ROOM
1-0101-AGAD-W001-001	INSTRUMENTATION GENERAL ARRANGEMENT DEWATERING AREA CONTROL ROOM
1-0101-ANET-A003-001	PLANT CONTROL NETWORK LOOP DIAGRAM
1-0101-ANET-A004-001	GENERAL BLOCK DIAGRAM NETWORK ARCHITECTURE AREAS U & M - MAIN CONTROL & SERVER ROOMS
1-0101-ANET-A005-001	GENERAL BLOCK DIAGRAM NETWORK ARCHITECTURE AREAS G, E, P & S - MAIN CONTROL & SERVER ROOMS
1-0101-ANET-A006-001	GENERAL BLOCK DIAGRAM NETWORK ARCHITECTURE AREAS R, C, B & D - MAIN CONTROL & SERVER ROOMS
1-0101-ANET-A007-001	GENERAL BLOCK DIAGRAM NETWORK ARCHITECTURE AREAS W, Y & X - MAIN CONTROL & SERVER ROOMS
1-0101-ANET-B101-001	BOILERS NETWORK DIAGRAM
1-0101-ANET-C101-001	CENTRATE NETWORK DIAGRAM
1-0101-ANET-D101-001	DIGESTERS NETWORK DIAGRAM
1-0101-ANET-G101-001	GRIT NETWORK DIAGRAM
1-0101-ANET-M101-001	MAIN BUILDING NETWORK DIAGRAM
1-0101-ANET-P101-001	PRIMARY CLARIFIERS NETWORK DIAGRAM
1-0101-ANET-R101-001	REACTORS NETWORK DIAGRAM
1-0101-ANET-S101-001	SECONDARY CLARIFIERS NETWORK DIAGRAM
1-0101-ANET-U101-001	UV NETWORK DIAGRAM
1-0101-ANET-W101-001	DEWATERING & PHOSPHORUS NETWORK DIAGRAM
1-0101-AWDG-A001-001	TYPICAL IO MODULE WIRING DIAGRAM ANALOG INPUT – EXTERNAL POWERED - ISOLATED
1-0101-AWDG-A002-001	TYPICAL IO MODULE WIRING DIAGRAM ANALOG INPUT - LOOP POWERED
1-0101-AWDG-A003-001	TYPICAL IO MODULE WIRING DIAGRAM ANALOG OUTPUT - ISOLATED
1-0101-AWDG-A004-001	TYPICAL IO MODULE WIRING DIAGRAM DISCRETE INPUT – 24VDC
1-0101-AWDG-A005-001	TYPICAL IO MODULE WIRING DIAGRAM DISCRETE OUTPUT – 120VAC
1-0101-AWDG-A005-002	TYPICAL IO MODULE WIRING DIAGRAM DISCRETE OUTPUT – 120VAC
1-0101-AWDG-A006-001	TYPICAL IO MODULE WIRING DIAGRAM DISCRETE INPUT – 120VAC

1-0101-AWDG-A006-002 TYPICAL IO MODULE WIRING DIAGRAM DISCRETE INPUT –
120VAC
1-0101-DGAD-A001-001 GENERAL ARRANGEMENT - SITE LAYDOWN

APPENDICES

Add: 385-2023 Addendum 2 Appendix I Asbestos Reports

NMS SPECIFICATIONS

Add: Section 40 95 80 – Fibre Optic Network

QUESTIONS AND ANSWERS

Q1: Is the qualification outlined in Part B13.3(b) of the tender specific to automation migrations of legacy systems?

A1: The qualification is to “have 10 years of experience with wastewater industrial power, instrumentation, and controls.” as outlined in part D3 of the tender. The experience is specific to working on industrial power, instrumentation, and controls in wastewater treatment plants on projects of a similar scale and complexity, but is not necessarily specific to the automation migrations of legacy systems.

Q2: Based on the timelines provided and detailed migration plan illustrated in “Appendix A”, it is our interpretation this work will form a continuous on-site labour engagement from kick off to project completion. Additionally, is it possible to obtain a copy of Schneider’s implementation schedule c/w level of effort required?

A2: The Work will form a continuous full time on-site labour engagement from kick off to project completion. The amount of work and staff required on site throughout the project may vary and the Contractor shall deploy sufficient staff to meet the schedule requirements.

The Contractor shall schedule and perform their scope and preparatory work of the migration such as cable tagging, loop checks, pre-cable installation, panel inspections, networking cable installation, panel installation, testing etc. Refer to section D3 of the tender for further information.

An implementation schedule from Schneider Electric is not available at this time.

Q3: It is our interpretation on-call support will be required from kick off to warranty expiration. Is that correct? Will CoW operations staff assess and direct support calls to the appropriate contract representative? (76 or 385-2023). Or will all calls be routed to both parties?

A3: On call support as per Section 2.5 of Appendix A – Migration Plan will be required for all areas that are actively under construction as part of this project and for areas that are being covered on warranty. The City’s Operation and Maintenance staff will direct support calls to the provided contacts for either the Integrator or the Contractor based on the specific issue at hand. The City may elect to repair or temporarily repair any issues with their own staff in cases of urgent or emergency situations and then notify the Contractor or Integrator if a permanent repair is required. The warranty period for each area shall begin at the Substantial Performance date and remain in effect for a period of one year from that date, as per Section 40 94 43, Part 1.6.1.

Q4: It is our interpretation systems testing and commissioning will commence on or about July 2024 and form one continuous on-site labour engagement similar to Q2 noted above.

A4: Please see response to Q2 regarding a continuous on-site labour engagement. Contractor full time presence and assistance with systems testing and commissioning within and for a given area will be continuous. Please refer to Appendix A.