Albuquerque Bernalillo County
Water Utility Authority

Agenda Item No. 8c

Meeting Date: May 21, 2025
Staff Contact: Jon Ebia, Electrical Engineer

TITLE: C-25-10 – Approval of Contract with Schneider Electric Systems for SCADA HMI upgrade for SWTP & Groundwater_SSP2025-010

ACTION: Recommend Approval

SUMMARY:
Requesting approval for the purchase of Supervisory Control And Data Acquisition (SCADA) system upgrade for Surface Water Treatment Plant and Groundwater in the amount of $3,929,298.00. Schneider Electric is providing a proposal to the Albuquerque Bernalillo County Water Utility Authority (ABCWUA) to provide AVEVA Enterprise SCADA (AES) software, computer hardware (servers and workstations) along with site-specific implementation, testing, training, and documentation.

The existing SCADA system in use for the Surface Water Treatment Plant (SWTP) and Groundwater system needs an upgrade due to aging computer hardware and SCADA software. AVEVA Enterprise SCADA (AES) is the ABCWUA standard. This purchase will upgrade the Groundwater and Surface Water SCADA and will be through the issuance of a purchase order.

This contract will be procured pursuant to the authority contained in section 17(a)(1) of the Rules Governing Procurement for the Albuquerque Bernalillo County Water Utility Authority. Resolution R-18-14 requires Board approval for any purchase in an amount exceeding $500,000.

If approved by the Board, a purchase order will be executed between the Water Authority and Schneider Electric Systems for these good and services. Approval of this item shall also serve as delegation of authority for the Executive Director to approve all future amendments to this purchase, if any.

FISCAL IMPACT:
The approval of $3,929,298.00 is inclusive of goods, services, and New Mexico gross receipt tax. The Water Authority has budgeted funds to cover this agreement.

Albuquerque Bernalillo County
Water Utility Authority

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Albuquerque, NM 87103-0568
505-289-3100
www.abcwua.org

SOLE SOURCE PURCHASE REPORT

To: Purchasing Officer

From: Jon Ebia

Date: 5/5/2025

1. Name and address and contact information of supplier:
   Schneider Electric Systems USA, Inc.
   Attn: Order Management
   10900 Equity Dr.
   Houston, TX 77041
   processautomation.us@se.com

   POC: Mike Lauchlin,
   email: mike.lauchlan@se.com
   cell: (403) 615-7380

2. Goods and/or services to be purchased:

The services and goods to be purchased include:

- *Purchase of AVEVA Enterprise SCADA (AES) software*
- *Purchase of associated computer hardware (servers and workstations)*
- *Site-specific implementation of the AES software for the ABCWUA SWTP Plant and Groundwater SCADA systems*
- *System testing, training, and documentation.*

3. Estimated total dollar amount of expenditures pursuant to this request: $3,929,298.00.

4. Term for which goods and/or services will be purchased pursuant to this request (mark only the option which applies):

   a. ☒ ____24_____ Years/Months/Weeks/Days (circle one)
   b. ☐ This is a one-time sole source purchase, to be completed within the next fiscal year.

5. Identify the specific circumstances that require a sole source purchase of the goods and/or services requested:

   a. Brief description of the purpose of the goods or services to be purchased:

      The existing Supervisory Control and Data Acquisition (SCADA) System in use for the Surface Water Treatment Plant (SWTP) and Groundwater/Distribution Southside system is in need of upgrade due to aging computer hardware and SCADA software. This purchase will upgrade the Groundwater and Surface Water SCADA.

   b. Reasons for need of goods and/or services from the specific supplier. Any one reason, by itself, does not necessarily justify a sole source purchase (mark all that apply):

i. ☒ A diligent inquiry failed to identify any source for the same or similar goods and/or services that will substantially accomplish the same or similar functions to those provided by the source identified above. If so, identify which of the following steps were taken to establish a good-faith review of available alternative sources and provide written justification verifying the actions below were taken (mark all that apply):
   1. ☒ Contacted various suppliers of similar goods to discuss alternative options;
   2. ☒ Performed product research for potential alternative sources;
   3. ☒ Consulted with subject matter experts to identify potential alternative sources;
   4. ☒ Other (specifically describe any actions taken, attach additional sheets if necessary):

A structured evaluation and selection process to choose the HMI software to be the enterprise-wide standard for the Water Authority's SCADA system was completed. The evaluation included the use of a formal Request for Information (RFI), developed by the Water Authority's SCADA Consultant, EMA, Inc. The Water Authority received 12 responses to the RFI from individual software vendors, 11 of which were deemed responsive. The 11 responses were reviewed by an independent selection committee and a short list of vendors were developed.

The two highest ranked products were invited to participate in a structure demonstration process, which was also reviewed by the selection team. The AES software system scored the highest in both the RFI response and subsequent software demonstration.

The upgrade of the SWTP and Groundwater SCADA System to the AES platform maintains the Water Authority's use of a single software platform across all SCADA systems.

(Inability to locate other sources via internet search will not suffice as acceptable due diligence.)

ii. ☐ The goods and/or services offered are unique or proprietary in form, fit, and function. If so, describe the unique or proprietary qualities of the goods and/or services; if available, provide documentation of their unique or proprietary nature, e.g. evidence of patent/copyright/secret processes/limited rights in data (attach additional sheets if necessary):

iii. ☐ Use of goods and/or services from sources other than an Original Equipment Manufacturer will require substantial modification to equipment or systems currently in use, resulting in substantial duplication in cost to the Water Authority that is not expected to be recovered through competition and/or unacceptable delays in fulfilling the Water Authority's requirements. If so, describe the modifications, potential costs, and/or delays associated with making substitute goods and/or services compatible with current equipment or systems (attach additional sheets if necessary):

iv. ☒ The procurement requires a specific supplier of goods or services. If so, identify one or more of the following reasons and provide written justification verifying that the statement below is true:

1. ☐ Limited availability of goods or services;
2. ☐ Proven quality, accuracy, and/or dependability;
3. ☒ Compatibility considerations;
4. ☐ Safety considerations;
5. ☐ Warranty issues or guarantee of parts performance;
6. ☒ During the system design process, several alternatives were evaluated and the current proprietary process was selected;
7. ☐ Other (specifically describe any other reasons, attach additional sheets if necessary):

See Item 5.b.i above describing the selection process.

The selection of the enterprise-wide HMI software was done as part of the previous SCADA Master Plan, and the AES software has already been implemented at the SWRP. The upgrade to the AES software platform for SWTP and Groundwater SCADA maintains the compatibility between the two systems for future integrated systems.

v. ☒ The goods and/or services cannot be purchased by the Water Authority from any other supplier, e.g. the supplier has a protected territory established by the original producer of the goods or services. If so, attach written documentation from the original producer verifying the availability of sources for goods and/or services.

The AES software system is provided through certified system integrators who are trained and skilled in the setup, deployment and configuration of the software system. At this time, Schneider Electric Systems USA is the sole certified system integrator for the AES system.

6. Describe the reasons the purchase is in the public's interest (attach additional sheets if necessary):

The SCADA master plan identified a need to standardize on a single enterprise-wide SCADA system. The structured software selection was conducted to select the AES software system, and the Southside Wastewater Reclamation Plant (SWTP) SCADA system was recently upgraded to this system. Implementing the AES system upgrade for SWTP and Groundwater will move the Water Authority further down the path to the objective of a single, integrated, enterprise-wide SCADA system.

This standardization will provide benefits to the Water Authority and the public in areas such as:

- *Improved monitoring of water and wastewater system operational performance*
- *Reduced software licensing and maintenance fees, by consolidating support services agreements across Water and Reclamation*
- *Reduced training costs for SCADA support teams. Implementing a common, Enterprise-wide SCADA system will allow support specialists to service both systems without the need for training on two platforms.*
- *Improved SCADA system maintenance, since support teams can seamlessly provide support to both Water and Reclamation.*
- *Improved operational decision-making and data management*

- *Ability to enhance physical system maintenance by implementing a common approach to gathering maintenance related information and conveying this information to the Water Authority's Enterprise Asset Management system.*

7. Attach negotiated cost or fee schedule, as applicable, along with evidence confirming that the price is most advantageous to the Water Authority.

Requirement:

At least fifteen days before a sole source contract is awarded, the Central Purchasing Office shall post this notice of intent to award any sole source contracts for goods, services, or construction, on its website.

Any qualified potential contractor may protest an intent to award a sole source procurement to the Central Purchasing Office. The protest shall be submitted in writing within fifteen calendar days of the notice of intent to award a contract being posted by the Central Purchasing Office.

The signature below certifies that this justification is accurate and complete to the best knowledge and belief of the individuals signing:

Requestor's Signature:

Cody R Stinson _____ 5/12/25 10:18 MDT

Title: Chief Engineer Date

Signature Acknowledgement from the Division Manager:

_____ 5/12/25 09:34 MDT

Division Manager Date

Review and Verification by Purchasing Officer:

_____ 5/12/25 09:38 MDT

Purchasing Officer Date

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Statement of Work for:

Albuquerque Bernalillo County Water Utility Authority

Albuquerque, NM

Project:
ABCWUA – Water System AVEVA Enterprise SCADA Upgrade

ISSUED BY	**:** Schneider Electric Systems USA, Inc.
ISSUED DATE	**:** May 9, 2025
PROPOSAL NO.	**:** OP-230427-13148477 **Please refer to this number on your Purchase Order**
REV. NO.	**:** 2.0

Schneider Electric Contact:
Name: David Gillen
Title: Senior Client Sales Executive
Mobile : +1 4803360548
E-mail: david.gillen@se.com

Sustainability at Schneider Electric

At Schneider Electric, sustainability is in our DNA and an integral part of our heritage. Since establishing the Schneider Electric Foundation in 1998, our purpose is to empower everyone to make the most of their energy, bridging environmental progress and sustainability with our mission to make the world greener and smarter through electrification and digitization.

This legacy, combined with our unique expertise and EcoStruxure™ Architecture and Technology platform, provide us amazing opportunities to work with customers like Walmart, and STMicroelectronics to build a brighter, more sustainable future.

By remaining committed to our principles, leading by example and being part of the solution for our customers and the communities to which we belong and serve, we are making a difference.

Its why Schneider Electric is recognized as the world's most sustainable company*, and it's how we continue to ensure **Life Is On** everywhere, for everyone and at every moment.

Important links:

- **The 100 most sustainable companies of 2025 | Corporate Knights*
- *World's Most Sustainable Companies 2024 | TIME*
- *Schneider Electric Sustainability global website*

The IEC 62443-2-4 Cybersecurity Certification for Execution Centers

Schneider Electric is committed to providing high quality products that fully satisfy our customers' requirements and for ensuring that the customers solutions and data are protected throughout the entire engagement.

To meet these expectations, Schneider Electric has implemented cybersecurity programs that ensure the solutions provided meet the customers' expectations and are maintained securely throughout the process. These programs include certification of many of our global execution centers that they comply with the controls and requirements of IEC 62443-2-4, implementation of a "Cyber Badge" program to ensure all hardware and software used to maintain customer solutions (including maintenance of our products after delivery) are utilized in a secure manner and mandatory training has been completed by employees, and implementation of enhanced "end-to-end" security controls to ensure customer information and solutions are protected throughout the engagement, from initial procurement, shipping, and delivery to the customer.

A Cybersecurity Central Office (CsCO) has been established for Process Automation to oversee these cybersecurity programs. The CsCO provides oversight to the execution centers across the globe where systems are staged, assembled, configured, and tested, providing reasonable assurance each execution site is adhering to the Schneider Electric Cybersecurity Programs, as well as complying with any changes in a constantly evolving threat environment. Compliance is validated through the performance of internal audits conducted by our Customer Satisfaction and Quality (CS&Q) organization and certified through third party audits conducted by a global certification body (TUV Rheinland). Additional information is available upon request.

Cybersecurity Central Office at Schneider Electric

certified by TÜVRheinland® Precisely Right.

Important links:

- *62443-2-4 Global Certificate in our Schneider Electric Website*
- *62443-2-4 Global Certificate in the TUV R. Website (968/CSM 115.03/23)*
- *Cyber Badge Principles in the Schneider Electric Website*

Proprietary Disclaimer:

This proposal contains technical and business information that is confidential and proprietary to Schneider Electric. It is provided to the customer solely for internal review and evaluation. The information contained herein may not be shown or disclosed in any form to third parties without the express consent of Schneider Electric.

Cybersecurity Portal:

As Cyber threats intensify, Schneider Electric has introduced a new portal which will greatly help our customers to stay informed of all cyber security threats impacting our offers. The portal lists all security threats impacting our offers. Customers can sign up to receive updates twice a month.
https://www.schneider-electric.com/en/work/support/cybersecurity/security-notifications.jsp

Revision History:

Rev.	Date	Subject	Prepared by
1.0	April 18, 2025	Unpriced Proposal	Mike Lauchlan
2.0	May 9, 2025	Priced Proposal	Mike Lauchlan

Basis of Proposal:

This proposal is based on information provided by the customer.

- Communications between the customer and Schneider Electric
- Water SCADA System Upgrade – AVEVA - Scope of Work

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1. EXECUTIVE SUMMARY

Schneider Electric is pleased to present the following priced response to the “Water SCADA AVEVA Upgrade SE Scope of Work 030325 FINAL.pdf” document authored by EMA. This Statement of Work is a comprehensive contract document that outlines the entire upgrade project and supersedes the “Water SCADA AVEVA Upgrade SE Scope of Work 030325 FINAL.pdf” document.

The SCADA host system software will be migrated from OASyS DNA 7.5 to AVEVA Enterprise SCADA 2025. The SCADA host system hardware shall include a combination of new replacement equipment, existing reused equipment and new added equipment.

This upgrade will enhance operational capabilities, ensure the long-term supportability of SCADA infrastructure, and implement the Water Authority’s new standard SCADA software. The new system introduces advanced features, modernized user interfaces, and improved functionality.

Schneider Electric is committed to maintaining and growing our relationship with ABCWUA with an integration team featuring engineers who understand ABCWUA’s WTP system firsthand. An excellent SCADA system is virtually transparent to its users, providing the data you need when you need it, logically structured and in a form easily interpreted.

Schneider Electric is ready to deliver an upgraded, fully functional Enterprise SCADA system on-time and on-budget, with the highest level of professionalism and skill. We believe that the decision to upgrade the SWTP OASyS DNA 7.5 System to Enterprise SCADA is both forward looking and low risk. Schneider Electric is ready, as always, to deliver on its commitments.

2. PROJECT INITIATION

2.1 PROJECT MANAGEMENT

Schneider Electric will assign a Project Manager who will be the principal point of contact between Schneider Electric and the ABCWUA representative throughout all project phases.

The Project Manager (PM) will be responsible for coordinating all work required in the various phases of the project and monitoring all team members assigned to the project. The PM will take full responsibility for executing the project, delivered on time and according to mutually agreed upon quality standards.

SE will hold monthly coordination meetings with the Water Authority to report on the work, work status, and any problems that may arise concerning the timing and execution of the work.

ABCWUA will delegate a Project Manager that will be the principal point of contact for this project who is responsible for financial, scheduling and contractual aspects.

ABCWUA will delegate a Project Leader that will be the single point of contact for all technical aspects on this project. Schneider Electric requires that ABCWUA assigns a person to this role so there is a champion and decision maker for all technical aspects.

2.2 PROJECT KICKOFF

Schneider Electric and ABCWUA shall initiate the upgrade project with a kick-off meeting. The Schneider Electric team shall review and confirm the final objectives and requirements of this phase with the ABCWUA team.

Schneider Electric shall work with ABCWUA to define a complete project plan and discuss the tasks, deliverables, and both Schneider Electric and ABCWUA's responsibilities. The Schneider Electric team shall then cover the administrative framework for managing the project. Project controls such as communication protocols, business processes, and change control processes shall also be defined during this phase.

Schneider Electric Deliverables and Responsibilities:

a) Lead an on-site project kick-off meeting, during which the parties shall finalize the project schedule, Schneider Electric shall submit initial submittals, the parties shall develop communication protocols and any other aspect relevant to guarantee the successful execution of the project. Schneider Electric shall describe its proposed architecture and minimal technical specifications.
b) Lead review of the project schedule and document changes to the plan, as necessary
c) Perform a site survey of all locations to confirm cabinet space and infrastructure assumptions made and to define a per-site layout.
d) Discuss test PLC requirements that will be needed prior to PreAT testing.

ABCWUA Responsibilities:

a) Provide logistics for the meeting (conference room, projector, etc.)
b) Lead review of project objectives and requirements.
c) Be prepared to assign project roles as noted above.
d) Provide Schneider Electric access and support for any site visits to remote locations.
e) Participate in review of project objectives and requirements.
f) Set up a secure file share point for the duration of the project.

2.3 PROJECT WORKSHOPS

SE will schedule the workshops in Table 1 below to be held on-site or virtually. Where appropriate and practical, one or more virtual workshops may be combined with on-stie workshops.

SE will also be responsible for creating the agenda and taking minutes for all project meetings and workshops, as listed below or in addition to. Additional workshops or meetings may be held on-site or virtually at the Water Authority's discretion. SE will provide a list of additional workshops and include an overview of the topics intended to be covered, as they see necessary, or as requested by the Water Authority.

Workshop	Notes	Location
Plant Network Architecture Improvements	Clarify what changes ABCWUA needs to make to support the AES	Virtual & On-site after kickoff meeting
Advanced Control Programs	Confirm Program Updates	Virtual
HMI Graphics 1	SWTP 1	On--site
HMI Graphics 2	SWTP 2	On--site
HMI Graphics 3	Groundwater/Distribution	On--site
Report Development Workshop	Include Alarm Report	Virtual
Remote Alarm Notification 1	SWTP	Virtual
Remote Alarm Notification 2	Groundwater/Distribution	Virtual
Cutover Plan Workshop	Include sequencing	On--site
Testing Procedures	Pre-AT, Parallel Testing, and Acceptance	On--site

Table 1: Workshops

3. SYSTEM DESIGN, SUBMITTALS, AND ARCHITECTURE REVIEW

Schneider Electric will provide system design documentation, system functionality documentation and will gather all information required to carry out the proper performance of the SCADA Upgrade.

SE will design and/or review the required improvements to the plant network architecture. Following this, the ABCWUA provided equipment will be configured by ABCWUA.

During the execution of the project, Schneider Electric will provide the following submittals and documentation:

1) System Configuration Plan
2) Plant Network Architecture Drawings
3) HMI Graphics Style Guide (Updated from SWRP)
4) HMI Graphic Display samples
5) Database Migration Plan
6) System Hardware Product Data
7) Software Application Definition Documents (ADDs) (as needed)**
8) System Hardware Installation Plan including Hardware Inventory List
9) Commissioning and Cut-Over Plan (with ABCWUA participation below)
10) Pre-Acceptance Test Procedures and final Pre-Acceptance Test Report
11) Acceptance Test procedures and final Acceptance Test report
12) Parallel Mode Validation Procedures
    a) Database Validation Checklist
    b) Display Validation Checklist
    c) Parallel Mode Acceptance Document
13) SCR (System Configuration Reference) including License inventory and deployment documentation for third party software
14) Custom user manuals*
15) Baseline Product Documentation from AVEVA (Configuration and SW Guides)

*Note: The 2012 upgrade excluded custom documentation, thus new Custom user manuals will be based on any available documentation from 2008 updated to the current system.

**Note: SE will deliver ADDs for new or modified applications only.

In the case of documentation for third party products, ABCWUA will acquire the documentation in the form and quantity received from the third-party equipment vendors.

Draft submittals will be provided to the Water Authority for ten working days. Midway through this review period, a virtual workshop will be conducted to gather feedback and address any comments. After incorporating the feedback, SE will submit a final version of the document for the Water Authority's approval.

All documents authored and supplied to the Water Authority by SE become property of the Water Authority and may be copied or digitally distributed for internal use.

ABCWUA Responsibilities in this phase include:

1) Cut-over expectations will be collaboratively developed in a workshop. Schneider Electric to create the plan and ABCWUA to review.
2) ABCWUA is responsible for approving the submittals in a timely manner (maximum of ten (10) working days).
3) Perform technical reviews of software design documents, drawings, documentation procedures, progress reports, tests and communication of any queries or concerns to the Project Manager. Technical reviews will occur once per month, or as needed.

4. HARDWARE PROCUREMENT AND INSTALLATION

4.1 PROCUREMENT

Following the approval of the appropriate design documents, the procurement of system hardware will begin.

ezXOS workstations will be configured with Windows 11 IOT Enterprise LTSC.

Schneider Electric Deliverable(s) and Responsibilities:

1) SE is responsible for the procurement of HP equipment including servers, workstations, monitors, printers and cabling within the rack. All server and workstation hardware are to be purchased as new and will conform to Water Authority IT standards. ABCWUA standards are to use HP workstations, monitors and servers, and Cisco networking devices.
2) All server hardware and storage arrays will be purchased with enhanced processing, memory, and storage capacity. This will account for additional software and processing needs that were identified for the SWTP implementation process including the processing and storage of all existing SWTP historical data.
3) SE is responsible for installing all Microsoft products and VM Management on the system.
4) SE is cooperatively responsible for installing third-party software as indicated in Appendix C.
5) Advise ABCWUA on the third-party software requirements, including Microsoft, VMWare, Veeam, the chosen anti-virus and any additional software requested by ABCWUA.
6) Hardware requirements will be validated by SE to ensure that they meet the SCADA software and other software package needs.

ABCWUA Deliverable(s) and Responsibilities:

1) ABCWUA is responsible for receiving and taking inventory of the equipment. This includes verifying that the delivered items and quantities match the packing slips, checking for damage and storage in a secure environment. ABCWUA will also be responsible for forwarding packing slips and notifying SE of any damage within one day of delivery. ABCWUA to provide pictures of all received hardware to ensure any damage claims can be processed.
2) ABCWUA is responsible for procuring all third-party software listed in Appendix C
3) ABCWUA is cooperatively responsible for installing third-party software as indicated in Appendix C.
4) ABCWUA to provide SE with documentation for applicable third-party applications so that SE can validate hardware requirements.

5) Any new switches for SCADA Servers, Hosts, and Admin Building Clients will be procured, installed and tested by the Water Authority. SE and ABCWUA will configure switches jointly to ensure proper functionality.
   New IP subnets will be implemented by the Water Authority for SCADA and management LANs. Communication links between main and DR site installed.

4.2 INSTALLATION AND STAGING

The system hardware will be assembled in Albuquerque at ABCWUA's SWTP facilities. This will commence after all key plant network architecture enhancements have been completed and tested by ABCWUA. The plant network improvements shall be sufficiently completed such that the new servers can be installed in final locations and all workstations can be installed in either temporary or final locations.

All SE procured hardware will be delivered to the Water Authority and stored in appropriate facilities until such time as the equipment is installed in its final locations. SE will provide the Water Authority with all information required to complete all asset onboarding work prior to physical installation of the equipment.

SE will have staff on-site to complete the physical assembly, installation, and labelling of all new hardware, and will also perform applicable software installation and configuration as needed on the servers and workstations. SE and the Water Authority will perform all networking configurations jointly to ensure proper functionality, failover capability, and traffic management for AES.

SE will have an additional, standalone system in the SE Calgary facilities that will allow SE to perform design and testing activities. These activities will include but are not limited to HMI screen development, database testing, application development, and communication protocols.

All patching and updates necessary will be tested on the Engineering and DSS systems prior to being installed on the Water Authority's production SCADA Systems.

ABCWUA Deliverable(s) and Responsibilities:

1) Notify Schneider Electric when the hardware is ready for software installation if not completed during the Schneider Electric hardware setup assistance trip.
2) Make space in existing racks for the new equipment in advance of the installation trip.
3) Make space in offices, the control room and plant buildings for the installation of all new workstations.
4) ABCWUA will be responsible for all wiring and cabling external to the server rack.
5) ABCWUA provided network equipment will be configured by ABCWUA to the design provided / reviewed by SE.
6) ABCWUA will provide adequate installation space (permanent or temporary), power and networking for the backup server location and all new workstations and printers.
7) Label ABCWUA provided network cabling inside the cabinets/racks and outside the cabinets/racks including the WAN connections between ABCWUA facilities.
8) Provide access and permits to Schneider Electric personnel for installation and testing.
9) Provide a primary and back-up source of electrical power to all equipment at their facilities.

10) Provide a suitable environment for housing the computer and communications equipment at their facilities.
11) Provide Schneider Electric with facility drawings showing the layout of the site, location of power and communications connections and access routes at their facilities.
12) Ensure the availability of all communications facilities with the telecommunications companies, if required.
13) Provide MS software license keys to Schneider Electric and assist as needed in the installation and configuration of the software.
14) Once installation is complete, SE and the Water Authority will coordinate to provide remote access to the new AES for SE personnel for approved configuration and testing activities.
15) Provide reliable and fast VPN links for Schneider Electric to have remote access to the new SCADA system for support purposes.
16) Any workstations that are staged in temporary locations will be moved to their final locations by ABCWUA at the appropriate time in the project schedule.

Schneider Electric Deliverable(s) and Responsibilities:

1) SE will lead the effort of assembling and labelling all new hardware upon receipt. This entails racking the hardware.
2) Remote activities will include HMI screen development, database testing, application development, and communication protocols described in detail in subsequent sections.
3) SE will include a two-week hardware setup and Enterprise SCADA install trip.
4) SE will install the AVEVA Enterprise SCADA software on the system based on the agreed upon design.

4.3 HARDWARE REQUIREMENTS

ABCWUA Deliverable(s) and Responsibilities:

1) Provide SE with network traffic requirements in advance to prevent overload.
2) QOS must be disabled on AVEVA ezXOS installs.

Schneider Electric Deliverable(s) and Responsibilities:

1) Install new Operator Workstations for control rooms, offices and UP Workstations
2) Install new printers.
3) New UP Workstations will connect to existing switches and will be thick clients.
4) Thick Clients configured to prevent traffic overload on the plant networks using “TCP/IP Override” (as done at SWRP).

5. SOFTWARE & SYSTEM DEVELOPMENT

Following the hardware and baseline Enterprise SCADA software installation at ABCWUA facilities, the following customizations will be integrated onto the ABCWUA system in Albuquerque for further development and testing.

5.1 DATABASE MIGRATION

5.1.1 RealTime Database Migration

Schneider Electric will obtain an electronic copy of the current system database at the beginning of the project.

Schneider Electric will migrate the existing RealTime database into the new Enterprise SCADA system prior to Pre-Acceptance Testing. An additional migration will occur, using the same templates prior to the Commissioning Phase. Once commissioning has begun, ABCWUA will be responsible for keeping the RealTime database on the new system synchronized with any changes made on the OASyS 7.5 system.

The migration will include all common configuration fields between OASyS DNA 7.5 and Enterprise SCADA. This will include alarm configuration fields on each point.

5.1.2 Historical Database Migration

ABCWUA shall provide an electronic copy of the current system timeline Historical database to Schneider Electric at the beginning of the project in ".archive" file format. This will include approximately 20 years of DNA 7.5 system archive files. Schneider Electric will migrate and load the database files into the new Enterprise SCADA Historical system.

One subsequent database migration will be conducted as indicated on the Project Schedule to fill in the Historical system database after System Cutover.

5.2 REMOTE ALARM NOTIFICATION

Schneider Electric shall configure the baseline Enterprise SCADA tables to enable the emailing and texting of alarms for specific points. The points will be identified in the Remote alarm workshops in addition to the names of the staff who should receive the emails. ABCWUA will be responsible for providing a corporate email server and opening the appropriate ports on ABCWUA firewalls to allow the AES to send notifications.

5.3 HMI GRAPHICS

Schneider Electric will develop the HMI Graphics for the new Enterprise SCADA system. All displays shall be built from scratch to ensure no remnants of old code or mistakes are included in the new displays.

The Preliminary Graphics List is included in Appendix H. This list eliminates duplicates, test and unneeded graphics on the current system. It also identifies potential displays that may be consolidated by being templated. Final decisions on templating will be made during the design phase.

The approximate display count to be migrated is 650 (+/- 5%) summarized as the following:

i. 252 Displays that have the potential to use templates
    a. 158 TREND (Booster and Well Flow Trends)
    b. 56 ALMPS (Pump Station Alarm Pages)
    c. 38 ALMWF (Well Alarm Pages)
ii. 353 Displays developed to meet new HMI Standards
    a. 63 of these are Facility Pages that may be able to be templated
iii. 46 Displays will be consolidated based on Water Operations input
iv. 146 Displays from the existing system will not be re-created or migrated

Schneider Electric will develop the Display Style Guide which will include standards developed on the SWRP SCADA Upgrade project. The Style Guide will also include ABCWUA feedback to ensure it meets the Water Authority standards for the plant and groundwater graphics.

Using the Style Guide as a reference, Schneider Electric will develop several prototype displays covering a variety different display types for review in the display workshops. These prototype display will be provided to the Water Authority in a printable format prior to the HMI Graphic workshops for review and markup. Schneider Electric will lead three HMI Graphics workshops (SWTP 1, SWTP 2, and Groundwater/Distribution).

Using the feedback from the workshop and the Style Guide, Schneider Electric will build the full set of HMI graphics. Schneider Electric will provide the graphics to the Water Authority for review and approval. Where possible, groups of displays shall be provided for review when they are completed rather than waiting for all graphics to be completed. All graphics will be complete prior to the start of Parallel Mode Testing.

A button will be added to the displays that will show the point name for each graphic object on that screen.

The Trend Scooters enhancement made on the SWRP project is not required on the SWTP system and will not be implemented.

Each active point on a display will open the point control panel for that point when selected.

ABCWUA shall appoint a champion from each of SWTP and Groundwater groups, who will have final word on all display design parameters. This will include providing feedback on displays during the development process. The goal is to be able to make timely decisions that include all ABCWUA stakeholders that helps avoid needing to make changes later.

5.4 REPORT BUILDING

5.4.1 Porting of Existing Reports

ABCWUA shall provide a soft copy of the current system reports to Schneider Electric at the beginning of the project.

Schneider Electric shall migrate twenty-one (21) of the existing reports Excel based reports to run on the new Enterprise SCADA system.

The following reports will be migrated:

1. Accumulators
2. Corrales_Prod_Report
3. Daily_RW_FW_Report
4. Daily15-minDataSCADARpt
5. EnergyConsumption
6. Intel_Control_Strategy
7. MotorRunTimes
8. OzoneDataSCADARpt_V2
9. ProductionTransferConsumption
10. ProductionTransferConsumption_XIS
11. PumpRunTimes
12. PumpRunTimes_XIS
13. ReservoirLevels
14. ReUseConsumption_XIS
15. ReusePumpRunTimes_XIS
16. ReuseStartCounts_XIS
17. StartCounts_XIS
18. StateEngineersReport
19. Totalizer_Report
20. WashFlow_XIS
21. WTP_Energy

The Report Index menu will be added the HMI graphics to allow each of the reports to be run manually.

5.4.2 Alarm Report Development

Schneider Electric shall develop a daily automated report that exports all operator alarms from the DSS Historian. The report is to be automatically emailed to Water Authority staff as assigned. SE will hold a Teams Design Meeting to evaluate necessary fields for the report that will include the following attributes at a minimum:

a) Point Name
b) Point Description
c) Group
d) Event Message
e) Alarm State
f) Alarm Severity (Priority)
g) Alarm Time (Mountain time without millisecond)
h) Alarms per Day
i) Most Frequent Alarms
j) Alarm Flood Occurrence
k) Alarm Priority Distribution

This report will be developed with the Water Authority to ensure the Alarm System meets the best practices for alarm management.

5.5 SCRIPT MIGRATION

5.5.1 ACE Routines

All ACE C# and VB routines will be ported as per Appendix F.

5.6 OMNICOMM PROTOCOLS

The following protocols will be added to the Enterprise SCADA system:

a) AB DF1
b) AB PCCC
c) EtherNet/IP
d) SNMP

Communication protocols that are not included on this new system include:

a) OPC Client - The existing OASyS DNA 7.5 system has the OPC 2.05 DA Client driver installed. If this older interface is available in AVEVA Enterprise SCADA 2025, and at no cost, then it will be installed on the ABCWUA system. Note that there may be no support from AVEVA, as this driver has been replaced by the OPC UA Client. SE has not included any effort to test the OPC 2.05 DA Client.
b) OPC Server – This interface for enterprise/corporate applications was installed on the ABCWUA SWRP system but is not required on this system and will not be installed.

The configuration for the remote, protocol, connection and circuit records will be ported unchanged from the DNA 7.5 system as part of the Realtime database port.

5.6.1 Allen Bradley DF1

This protocol is currently in use for PLCs external to the plant (via serial radios).

The latest version of the Water team (WWW) DF1 communication driver for Enterprise SCADA will be implemented.

5.6.2 Allen Bradley PCCC

This protocol is currently in use for PLCs within the plant.

The latest version of the Water team (WWW) PCCC communication driver for Enterprise SCADA will be implemented.

5.6.3 EtherNet/IP

This protocol is not currently installed on the OASyS DNA 7.5 system.

The latest version of the Water team (WWW) EtherNet/IP communication driver for Enterprise SCADA will be implemented.

5.6.4 SNMP

This protocol is not currently installed on the OASyS DNA 7.5 system.

The latest version of the AVEVA SNMP communication driver for Enterprise SCADA will be installed. The license for this protocol will be included in the list of AVEVA licenses for the system.

5.7 ADVANCED APPLICATIONS

Schneider Electric will port or modify the following applications, including but not limited to the applications below.

5.7.1 facilityAlarm and facilityManual ACE Routines

These are ACE routines that aggregate alarms within a facility. This functionality was originally provided by the Boolean Equation application in the OASyS 6.2NT system.

Some DNA 7.5 system ACE records have greater than 80 inputs configured, which exceeds the number of ACE record inputs available in Enterprise SCADA. ACE routines with more than 80 inputs will be split into 4+ routines x 19 inputs then combined into one output.

5.7.2 Auto Control

The Auto Control application provides the means to control well and booster pumps to reduce energy costs and maintain high quality water.

This application will be ported to ES2025 with no enhancements. The Water Authority will request a change order during the project to investigate options and provide desired enhancements.

5.7.3 Out of Service Report Display

A Realtime process calculates the Total Rated, Available Capacity and Percent Available values for both well and booster pumps at all trunks and facilities. An Out of Service display provides information about a specified trunk and facility.

This will be ported to ES2025 with no enhancements.

5.7.4 Flow and Energy Monitoring

The Flow and Energy display provides the means to monitor flow and energy values for well and booster pumps at a facility.

This will be ported to ES2025 with no enhancements.

5.7.5 Analog Applications

The Analog applications are comprised of:

1) Oil Dripper & Well Flow Alarm Checks
2) Hypochlorite Alarm Checks

These will be ported to ES2025 with no enhancements.

5.7.6 Treatment Control

This is a Realtime process that controls the chemical dosage of chlorination into the water supply and is supported by custom displays.

This will be ported to ES2025 with no enhancements.

5.7.7 Ladder Logic Timer Downloads

This includes functionality that automatically sets timer values in Groundwater PLCs when they are put onscan.

Ladder Logic Timer Download feature for DF1 and PCCC in DNA 7.5 system will be ported to ES2025 as-is. EtherNet/IP support for LLTD feature is not required in ES2025.

5.7.8 Arsenic Estimator

This application was originally written by EMA. It estimates arsenic.

To be ported to ES2025 with the following enhancements:

1) Modify program to identify when instruments are out of range to prevent out of range values causing a runaway effect on flow control. Default to use the previous week's historical average when an out-of-range value is detected. Allow functionality for this average to be manually overridden by the operator.

5.7.9 Fluoride Estimator

This application was originally written by Schneider Electric based on the Arsenic Estimator. It estimates fluoride.

This will be ported to ES2025 with the same enhancements as Arsenic Estimator.

5.7.10 Raw Water Pump Station Demand Scheduler

This application was originally written by EMA.

This application will be ported to ES2025 with the following enhancements:

1) Modify the Demand Scheduler to update pump shutoff timers when time changes between Mountain Standard Time and Mountain Daylight Time to prevent under-diversion of water.
2) Update the Demand Scheduler such that the control of pumps accounts for shutdown timers to ensure that the final volume pumped meets demand setpoint and over-pumping does not occur.
3) Change calculations to use metered flows from the instruments instead of rated pump flows.

5.7.11 Auto Control Custom Tables in RealTime

All custom tables that support the Auto Control application shall be ported. These include the Facility, Econ Control and Econ Setpoint tables.

These tables will be ported to ES2025 with no enhancements.

5.7.12 15-minute collect sampling scheduled application

This application was needed on OASyS DNA 7.5 due to timeline..collect table accessibility issues.

ES2025 uses timeseries..collect but the 15-minute table will be implemented on ES2025 for consistency. Points with a one hour frequency that are currently be transferred will be configured in the same fashion in the new AES system.

5.7.13 DSS SQL stored proc/views and connection to corporate ABCRPT2 server.

These are custom stored procedures/views created by ABCWUA on the DSS for Maximo and/or Hach WIMs interfaces. Historical data is pushed from DSS SQL Server to ABCRPT2 server.

These procedures will be ported to ES2025 as-is. SQL Server replication or Datapump will be configured to push data from ES2025 DSS SQL Server to ABCRPT2.

ABCWUA will create a second ABCRPT2 instance for the new system to write to.

5.7.14 Top of Hour Collect

This is a configuration setting that defines how TimeSeries summary records are created.

This setting will be made the same on ES2025.

5.7.15 Historical System Health

OASyS DNA 7.5 system was enhanced to create an alarm and an event when either or both of the redundant historians fail. The system was enhanced such that a high priority alarm is generated every 15 minutes when no hot and operational DNA 7.5 system Historical service is detected by Realtime.

This application will be ported as-is.

5.7.16 Add/remove tag on schedule

This includes specific scripts and jsh entries. It will be ported to Enterprise SCADA.

The PLC Data Transfer application implemented on the SWRP AES is not required on this system and will not be implemented.

6. SYSTEM TESTING

6.1 GENERAL TESTING REQUIREMENTS

6.1.1 Test Plan Development

SE will create test plans for each testing phase, ensuring they align with project requirements. Each plan will include procedures and expected outcomes. All test plans must be reviewed and approved by the Water Authority.

6.1.2 Test Documentation

SE will create and maintain documentation of all tests, including logs of all issues, bugs, and non-conformances identified during testing in an issue tracking system. Issues will be assigned to responsible parties for resolution. Test documentation will include detailed descriptions and screenshots.

6.1.3 System Support During Testing

This contract does not include 24x7 SE system support. This will be handled by a separate System Maintenance contract. The SE project team will provide the 24x7 support team with the required information to support the system.

6.1.4 System Fixes and Retesting

SE will perform necessary system fixes promptly after issues are identified, and retest resolved issues to ensure fixes are effective and do not introduce new issues. SE will also include resource time to ensure that graphics changes requested by the Water Authority during the implementation of the AES Upgrade can be made in a timely manner.

6.1.5 Validation and Sign-Off

Successful tests require signoffs from the Water Authority before progressing to the next phase.

6.2 PRE-ACCEPTANCE TESTING (PRE-AT)

Once testing procedures have been developed and approved, Schneider Electric will conduct a Pre-AT to verify the functional operation of the system. Pre-AT for all ABCWUA locations will be completed in parallel with one another. The results of these tests will be recorded in a test log.

Schneider Electric proposes the following:

1) The System will be staged, connected, and tested as a system at ABCWUA's facilities. The testing will be conducted by Schneider Electric. ABCWUA will provide adequate personnel to actively support Schneider Electric in carrying out the testing in the time scheduled for Pre-AT in the Project Schedule. The testing will demonstrate that the system has been successfully assembled and integrated on site and that the ABCWUA customizations have been properly integrated. Schneider Electric will perform the Pre-AT in accordance with the approved pre-AT Plan and with the attendance of ABCWUA Project Leader, or his/her designate.
2) Pre-AT shall be considered complete for payment purposes **when only minor deficiencies remain outstanding.** Minor deficiencies shall mean minor omissions and/or minor defects. The parties shall agree on a deficiencies list which will be attached to a Pre-AT Certificate to be signed by ABCWUA.
3) ABCWUA will provide two Allen-Bradley 1756-L81 PLCs, one Groundwater test program, and one SWTP test program for protocol testing. An additional ABCWUA Programming Laptop will also be supplied to allow SE to load or modify the PLC programs as needed. ABCWUA will network this laptop such that it is accessible remotely. This will entail setting up on a suitable bench, connecting AC power, serial cable, local network switch, and the laptop. SE will assist with connecting Ethernet between the local switch and the new ES2025 system. Note that the 1756-L81 processors do not have serial ports. For DF1 testing, ABCWUA will need to supply and configure a suitable PLC.
4) SNMP will be tested by reading up to five parameters from a Cisco switch.
5) EtherNet/IP and PCCC can be tested using a 1756-L81 PLC.

No performance testing will be done during the Pre-AT.

6.3 PARALLEL MODE TESTING

6.3.1 Polling/Listen Only setup

Schneider will configure the system to receive data in parallel to the OASyS DNA 7.5 system.

AB DF1 serial radios will be connected using Listen-only cards and the AB DF1 Listen-only protocol. Schneider Electric will supply up to ten (10) listen-only cards for temporary use. Unused ports on the existing terminal servers and digital bridges will be configured and wired by ABCWUA with the assistance of Schneider Electric for these listen-only connections. For example, if the current system uses ports 1-6 on the existing terminal servers and digital bridges, then ports 7-12 will be configured for use with the new system.

AB PCCC connections will be configured to connect to the plant PLCs. In parallel operation mode, the DNA 7.5 and Enterprise SCADA systems will each maintain their own dedicated network connections to each PLC, each system polling the PLCs independently. For both the existing and the ES2025 systems, PCCC polling rates shall be configured such that no traffic overload occurs while both systems are independently polling the PLCs. No faster than 1 second polling from either system.

Schneider Electric will place No Command tags on all output points to prevent output commands from being issued inadvertently These tags will temporarily be removed during commissioning as needed. The “No Commands” tags will be replaced at the end of each testing day.

ABCWUA will be responsible for providing space for the Listen Only cards in the Digital Bridge chassis. ABCWUA will be responsible for making any additional serial cables required between the existing terminal servers and the LO cards. ABCWUA will coordinate the interruption in the DNA 7.5 system DF1 polling as the LO cards are inserted in series with the serial lines.

6.3.2 Parallel Mode System Validation

Schneider Electric will validate the displays, database, reporting, scripting, and custom applications.

Schneider Electric will create and update checklists for each of the validation items below to keep track of the items checked and any issues found. Schneider Electric will make the necessary corrections to address any items found, including adding any points or modifying graphics as directed by the Water Authority. Testing will be considered complete once written confirmation is provided by the Water Authority.

The validation will include the following:

1) Database Validation

   A snapshot of the RealTime database of the OASyS DNA 7.5 system and the Enterprise SCADA system will be captured and compared. This will include point configuration and current values. Any discrepancies will be noted and checked manually.

The RealTime database validation will include:

i) Telemetered database points (e.g. Analog, Status, Rate, etc.)
ii) Communication tables (e.g. Remote, Connection, Circuit, etc.)
iii) Tag records (e.g. No Command, Warning, etc.)

The numerical value checking will include the digital state and corresponding message set text for the state. For analog points it will include the numerical value and alarm state.

The point configuration comparison will include all equivalent configuration values in the existing and new systems. This would include point names, point descriptions, alarm limits, abnormal states, plc address configuration, etc.

2) Display Verification

A side-by-side comparison of each of the displays shall be performed to verify that the same values appear on the displays on both the new and the existing systems.

The display navigation shall be confirmed to be working.

Display call up time will be observed as each display is brought up for side by side comparisons. Any graphics that take two (2) seconds or more and any trends that take ten (10) seconds or more will be noted for further review.

3) Historical Database Verification

A spot check of one hundred (100) historical database points in the Enterprise SCADA system shall be performed to confirm the accuracy of the historical data migration. The check will confirm the value, data quality and time for the points chosen. For each point, at least three values will be checked per year over a minimum of a five-year span. The time chosen for each point will be different in each year to provide a random sampling of records. The distribution of the one hundred (100) points selected will match the table size of the points being collected (e.g. analog, status, rate, etc.).

4) Report Verification

Each of the reports shall be run and verified to be operating correctly using the data being received in parallel mode. If inaccuracies between the existing and new reports are found, corrections will be made and the report will be run again and checked for correctness.

5) Scripting and Custom Application Verification

The points associated with ACE routines and the custom applications will be reviewed to confirm that the calculations and applications are processing the data and showing the expected outputs. As commands are inhibited during this stage, no outputs to PLCs that may be part of an application will be confirmed at this stage.

The display side by side verification is expected to take the most time of the tasks above. As this impacts the project cost and schedule, the following assumptions were considered in this proposal.

b) Approximately 680 HMI graphics (displays) will exist in the system that need to be verified.
c) On average, thirty five (35) displays can be verified per day.
d) Verification can occur 5 days a week.
e) This will require an estimated 5 weeks to complete, with one SE resource onsite. If feasible, two onsite SE resources may be used to reduce the task duration.

6.3.3 Limited Performance Testing

Once all data is being received into the Enterprise SCADA system through polling and Listen-Only, the system performance will be checked.

Schneider Electric shall use a program, such as Phantom, to automatically launch displays and dismiss them on workstations.

The system performance will be measured by recording the CPU performance. Display call up times shall be recorded for regular graphics and trend displays.

6.4 ACCEPTANCE TESTING (AT)

With ABCWUA's assistance, Schneider Electric will validate that the new SCADA system complies with the AT Test Procedures. The purpose is to certify that the system is ready for commissioning.

Acceptance Test shall be performed at ABCWUA facilities after the new system has completed the onsite parallel mode phase. AT for all ABCWUA facility locations will be performed concurrently. Schneider Electric has considered approximately two (2) weeks of labor on-site for performing AT. The following items are the scope of services, deliverables and terms that will be considered during the AT phase:

1) AT will consist of structured testing which shall be performed in accordance with the approved AT Plans and demonstrate that the system satisfies all requirements of this contract. Only requirements contained in the test procedures will be tested. The AT will include testing of communications to each type of PLC to demonstrate the functioning of the AB DF1 and PCCC protocol drivers for the project but will not include point by point testing of each I/O point for each PLC.
2) Schneider Electric will correct deficiencies found during the performance of AT and update the documentation to reflect any changes.
3) AT shall be considered complete, for payment purposes, when only minor deficiencies remain outstanding. Minor deficiencies shall mean minor omissions and/or minor defects that do not prevent the system from being substantially capable of being used for its intended purpose.
4) Schneider Electric will prepare a report of the AT results and submit copies of the report to ABCWUA's Project Manager for review within fifteen (15) working days after completion of the AT.

The parties shall agree on a deficiencies list which will be attached to an AT Certificate to be signed by ABCWUA.

Schneider Electric Deliverables and Responsibilities:

1) Perform Acceptance Testing (AT) for all ABCWUA facility locations.
2) Complete test documentation

ABCWUA Deliverables and Responsibilities:

1) Provide resources to participate in the AT testing.
2) Participate in the meetings and reviews during the AT testing process.

7. COMMISSIONING AND CUTOVER

Following the completion of AT, Schneider Electric shall lead the commissioning of the system, validating the new displays and databases prior to the Cutover.

Schneider Electric shall be responsible for commissioning documentation. Schneider Electric shall correct any database, display, polling configuration or other system configuration setting found to be in error.

ABCWUA shall provide a resource(s) to make any field/PLC changes for the forced value changes required. ABCWUA will provide a resource to help plan the sequencing of which PLCs to test and coordinate with the operations team so they are aware and agree with the planned outages.

The commissioning effort for Schneider Electric resources included in this proposal are based on the following assumptions:

a) Forced testing of 2550 points will be required. This is based on testing 25% of 10,192 input points.
b) Control operation of 1691 output points will be required. This is based on controlling 100% of the estimated 1691 output points.
c) 30 input points can be checked per hour and 15 controls can be tested per hour.
d) On average, the team will be able to dedicate 4 hours per day, 5 days a week to the commissioning.
e) The total commissioning time will take 21 days to test inputs and 28 days to test outputs. The total commissioning time will be 49 elapsed days or 10 weeks.

Using the cutover plan developed during the design phase of the project, Schneider Electric shall assist the Water Authority with the system cutover. Schneider Electric has included one week onsite to assist with the cutover.

Cutover of the system will be led by ABCWUA with Schneider Electric's support.

Cutover is the process of switching operations to the ES2025 system. All PLCs are permanently taken off scan on the OASyS DNA 7.5 system. All control and operation is transferred to the new ES2025 system.

ABCWUA will lead the cutover as it involves making decisions on the days to switch, communication with operations and other decisions best led by the customer.

8. TRAINING

Schneider Electric has included the following training in this proposal.

AVEVA Training

An AVEVA Course budget has been included based on individual seats for public courses on the AVEVA training calendar. Prices may vary based on when the training is scheduled and the budget can be used towards different AVEVA courses and different quantities as needed during the course. All courses are remote. Training material availability prior to the AVEVA courses will be as per the AVEVA standards.

Course Name	Cost per seat (2025 pricing)	Seats	Total
Enterprise SCADA Display Building	$4030	4	$16,120
Enterprise SCADA Advanced Display Building	$4030	4	$16,120
Enterprise SCADA Administration	$4030	2	$8060
Enterprise SCADA Alarm Management	$1700	2	$3400
Enterprise SCADA Essentials	$4030	2	$8060
Contingency for extra seats or 2026 pricing	8,240	1	8,240
TOTAL			**$60,000**

Schneider Electric Provided Training

The following custom courses will be delivered by Schneider Electric. As these courses are custom for ABCWUA, the course material will be limited to an agenda of topics that will be shown using the actual system. Depending on the topics, training may occur using the system and/or using limited PowerPoint screens.

Training Course	Duration	Number of deliveries
Operator Training	2 hours remote	2
Casual Users	2 hours remote	1
SCADA Specialist Training	1 day remote	1

9. FINAL ACCEPTANCE & START OF WARRANTY PERIOD

Upon completion of AT, deficiency repairs, commissioning, and system cutover, the Water Authority will approve the system, and the Schneider Electric one (1) year warranty period will start.

The hardware warranty for the HP equipment and printers will begin when it is purchased during the development phase of the project and the warranty at this stage will be what is remaining at Final Acceptance.

Where possible, a three-year 5x10 NBD manufacturers hardware warranty will be included for all purchased equipment. SE will add ABCWUA to the warranty contract, as per HP policy.

This contract does not include 24x7 SE system support. This will be handled by a separate System Maintenance contract.

The AVEVA Enterprise SCADA licenses will be purchased with one year of AVEVA Customer Support. This maintenance will begin when the licenses are installed during development and any remaining support will continue into the warranty. Subsequent years of AVEVA Customer First is expected to be purchased through the separate Schneider Electric Maintenance contract as an additional line item.

Schneider Electric Responsibilities

1) Provide final system documentation

ABCWUA Responsibilities

1) Sign off Final Acceptance Certificate

10. TRAVEL SUMMARY

Schneider Electric has included the following onsite trips within this statement of work.

Item	Purpose of Trip	Duration (up to)	Schneider Electric Staff
1	Kickoff Meeting	1 day	3
2	Workshops Group 1	4 days	2
3	Workshops Group 2	4 days	2
4	Workshops Group 3	4 days	2
6	System Installation	2 weeks	1 person for 2 weeks, 1 person for 1 week
7	Parallel Mode Testing	5 weeks	1 or 2
8	Acceptance Testing (AT)	1 week	2
9	Commissioning	10 weeks	1
10	Cutover Support	3 days	1

Workshops will be a combination of remote Microsoft Teams meetings and onsite. If the budgeted trips for the workshops are not fully needed, they can be used for other required trips identified during the project.

Schneider Electric Water Team members in Calgary will be required to travel to Albuquerque, NM for the above-mentioned trips.

Commissioning trips identified will be a combination of several separate noncontinuous trips by various resources.

11. CONDITIONS AND LIMITATIONS

This Statement of Work for the project is subject to the conditions and limitations as detailed below. It should be noted that the aim of all these statements is not limiting the proposed solution but clearly defining its scope.

1) Schneider Electric will perform the work and services in accordance with this document. Any additional, not initially requested, goods or services that could be required because of later modifications are expressly excluded. Any addition or modification shall be mutually agreed upon.
2) Schneider Electric has not included the cost of a Performance Bond for the execution of this Project.
3) Any delays caused by unsuitability of the site(s), errors, omissions or delays in the information supplied, or due to any other cause not attributable to Schneider Electric, may lead to the subsequent revision of both price and execution period of Schneider Electric's Scope of Work.
4) With the exception of ABCWUA-provided solutions such as Cisco DUO, Cylance, zScaler and Splunk, Cybersecurity solutions beyond the baseline product installation are not included.
5) Increase in price for the HP equipment due to tariffs is not included and may require a change order on the project.

12. COMMERCIAL PRICING

The material and services as described in this proposal is offered to the customer as follows:

Item	Description	Sell Price USD
1.	Phase 1	$1,059,600
2.	Phase 2 (assuming PO received in Q3 2025)	$2,869,698
	Total Sell Price	**$3,929,298**

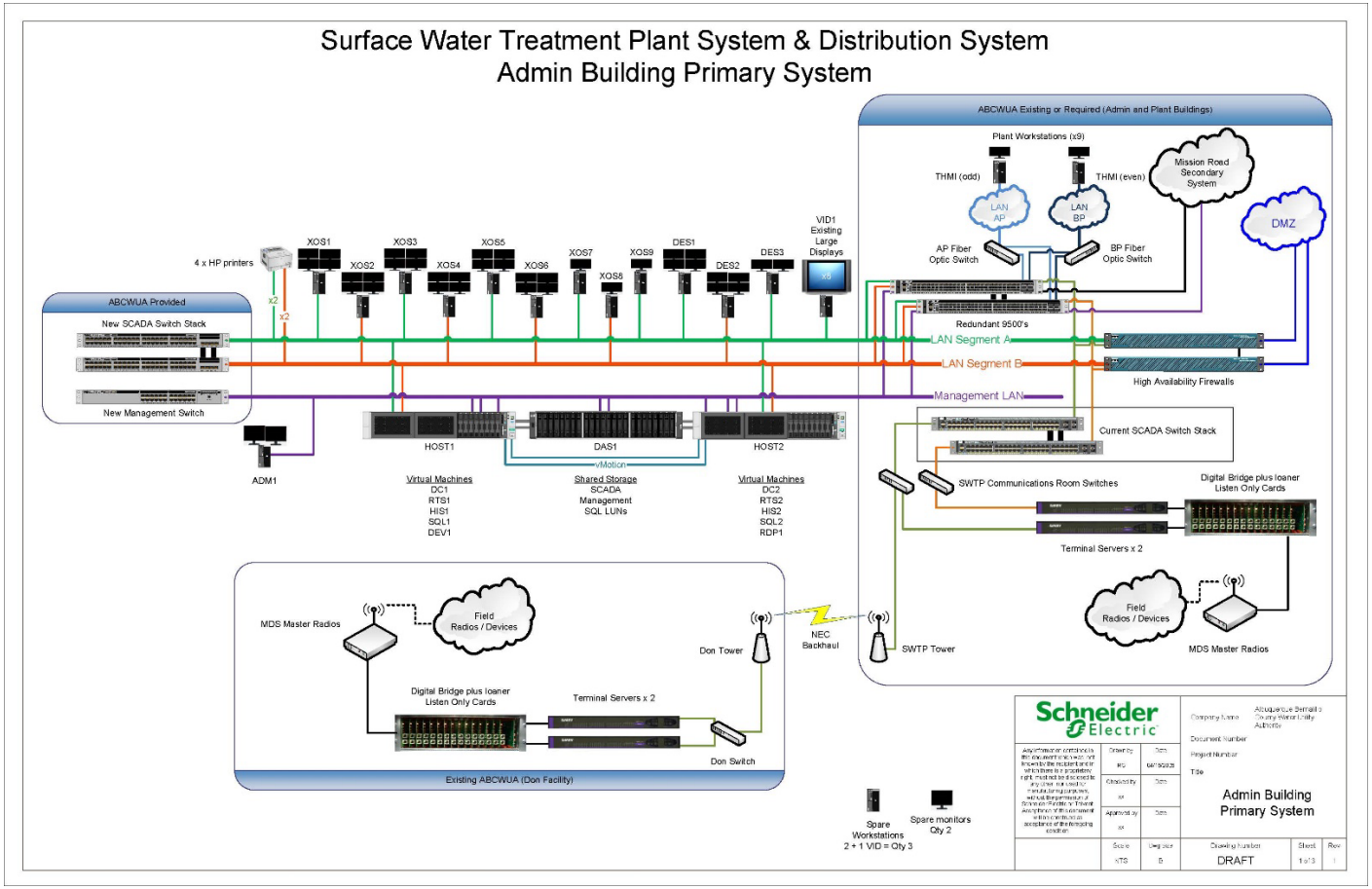
12.1 COMMERCIAL NOTES

Firm Pricing:	Prices are in US dollars and are firm and fixed. Purchase order must include all items which are part of the Base Bid. Optional items may be omitted. Any breakdown of prices provided in this proposal is for information purposes only unless otherwise stated herein. Schneider Electric reserves the right to increase/decrease prices if there are additional tariffs or duties that are imposed after the proposal is submitted. AVEVA licenses presented are based on AVEVA 2025 pricing. Licenses purchased after Dec 31, 2025 will be subject to price increases.
Proposal Acceptance:	**On the Purchase Order, please include:** • Schneider Electric Proposal Number: OP-230427-13148477 • Purchaser tax-exemption qualifications (if applicable) **Submit Purchase Orders and Tax-Exempt Certificate to:** **Email:** processautomation.us@se.com **Mail**: Schneider Electric Systems USA, Inc. **Attn**: Order Management 70 Mechanic Street Foxboro, MA 02035

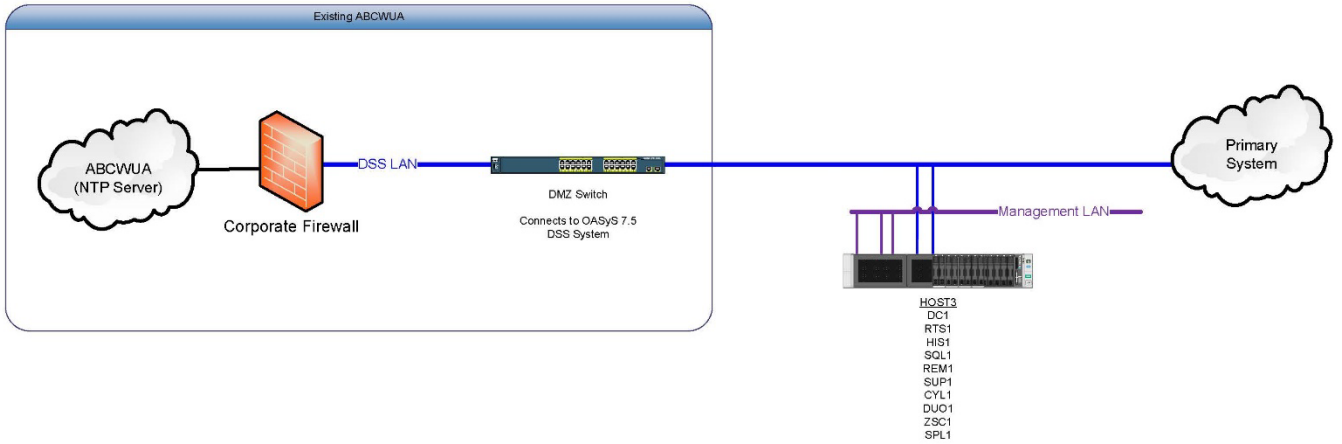
Proposal Validity:	This proposal is valid for 30 days. Notwithstanding any provision of this proposal or the Purchase Order, Schneider Electric reserves its right to increase the price after the validity date to cover the cost caused by any delays or an extreme price inflation arising for reasons outside the reasonable control of Schneider Electric or its Suppliers and such change shall be documented through a Change Order or a revision to the Purchase Order.
Payment Schedule:	Invoicing will be initiated per the schedule in Appendix G All invoices are due and payable within 30 days of invoice date. Late charges may result in a late payment fee.
Freight:	Shipment is FCA factory, prepaid, and added. Equipment will be packed for domestic shipment.
Delivery:	Project duration to be determined with finalized schedule. Letters of Intent and Letters of Agreement do not initiate delivery Notwithstanding any other provision to the contrary in this Proposal or the Customer's Purchase Order, Schneider Electric Systems USA, Inc ("Seller") shall not be liable to comply with any delivery schedule or a deadline date not clearly listed in this Proposal. Shall the Customer request to accelerate the project execution plan from the one listed in this Proposal, Seller reserve its right to place a change request including the time and the cost impact, and Customer will compensate Seller for all out-of-pocket expenses reasonably incurred by Seller in the provision of the Goods, Software, and Services, including but not limited to, airfare, hotel, transportation, meals, supplies, data preparation, and other direct expenses incurred by Seller's personnel or its subcontractors.
Payment Remittance:	**Remit Payment To:** Schneider Electric Systems USA Inc. 14526 Collections Center Drive Chicago, IL 60693
Financial & Credit Requirements:	Schneider Electric's acceptance of Purchase Order is contingent upon acceptable Customer's Credit Rating based on Audited Financial Statements or mutually agreeable equivalent documents. If acceptable credit rating is not available on subsidiary company, Schneider Electric will require Parent Company Guaranty or Payment Bond to secure all payments for the goods and services.

End User License Agreements:	Software licenses included in this proposal are subject to an End User License Agreement (EULA). The applicable EULA(s) will be provided upon receipt of Purchase Order or upon request. End User will be required to accept these terms and conditions prior to licensing of the software. An up-to-date AVEVA EULA agreement will be required before purchasing Enterprise SCADA licenses.
Terms and Conditions:	MASTER SERVICE AGREEMENT For Sale of Goods, Services, and License of Software Between Schneider Electric Systems USA, Inc. and the Albuquerque Bernalillo County Water Utility Authority Dated May 15, 2022, Amended Sept 2024
Schneider Electric is totally committed to providing high-quality solutions that fully meet your needs. To support this approach, Schneider Electric has established a Quality Management System, certified to the ISO 9001:2015 International Standard that defines and controls our manufacturing and implementation processes, and ensures our personnel and selected subcontractors have the necessary competencies to perform their role on this project.	

13. APPENDIX A – SYSTEM DRAWINGS



Surface Water Treatment Plant System & Distribution System
Admin Building DMZ/DSS

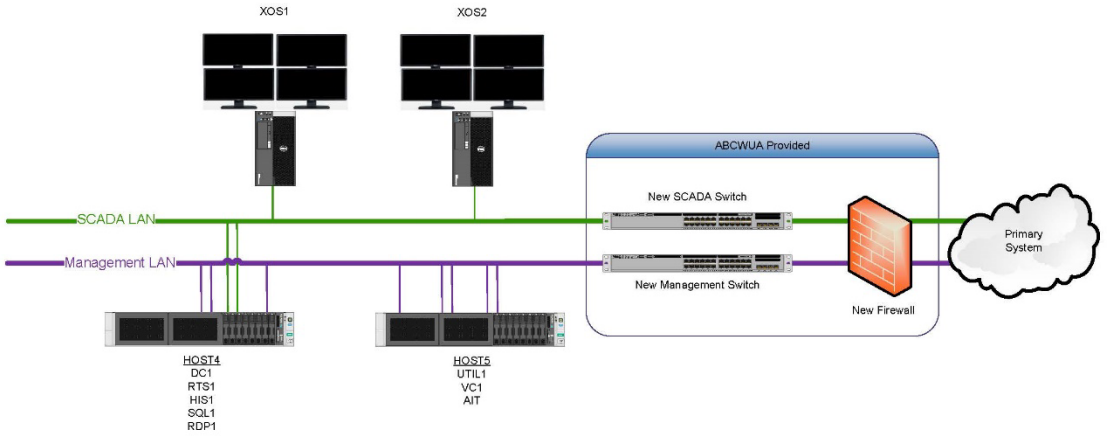


Schneider Electric

Any information contained in this document which was not known by the recipient and in which there is a proprietary right, in part not be disclosed to any other, nor used for manufacturing purposes without the permission of Schneider Electric or Telvent. Acceptance of this document will be construed as acceptance of the foregoing condition.

Drawn by: RC	Date: 04/30/2025	Company Name: Albuquerque Bernalillo County Water Utility Authority
Checked by: xx	Date:	Document Number:
Approved by: xx	Date:	Project Number:
Scale: NTS	Dwg Size: B	Title: Admin Building DSS System
		Drawing Number: DRAFT
		Sheet: 2 of 3
		Rev: 1

Surface Water Treatment Plant System & Distribution System
Mission Road Building Secondary (Disaster Recovery) System



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Drawn by	Date
RC	04/16/2025
Checked by	Date
xx	
Approved by	Date
xx	

Company Name: Albuquerque Bernalillo County Water Utility Authority
Document Number:
Project Number:
Title: Mission Road Building Secondary System

Scale	Dwg Size	Drawing Number	Sheet	Rev
NTS	B	DRAFT	3 of 3	1

14. APPENDIX B – HARDWARE SUMMARY

Server Equipment								
Description	Brand	Model	Admin Building	Admin Building DSS	Disaster Recovery	Plant Buildings	Spares	Total Units
Virtual Server Hosts 1 - 2	HP	HPE ProLiant DL380	2					2
Virtual Server Host 3 (DSS)	HP	HPE ProLiant DL380		1				1
Virtual Server Host 4	HP	HPE ProLiant DL380			1			1
Virtual Server Host 5	HP	HPE ProLiant DL380			1			1
RP DAS	HP	HPE MSA 2050 SAN Dual Controller	1					1

Workstations								
Description	Brand	Model	Admin Building	Admin Building DSS	Disaster Recovery	Plant Buildings	Spares	Total Units
Workstations	HP	HP WS - HP Z2 G9 TWR i714700 32GB/512 PC16 GB - SSD 5	14		2	9	2	27
Monitor	HP	HP S7 Pro 724pf FHD MNTR - 23.8"	39		8	9	2	58
SUPPORT	HP	HP 3y NBD ONS Optl CSR WS HW Supp	14		2	9	2	27
4-head graphics card for VID1 wksn + 1 spare	Nvidia	T1000	1				1	2
Sound bar speaker	HP	Speakers for workstations	25					25

Miscellaneous equipment and cabling								
Description	Brand	Model	Admin Building	Admin Building DSS	Disaster Recovery	Plant Buildings	Spares	Total Units
Inkjet Printer	HP	HP OfficeJet Pro 9730e Wide Format All-in-One Printer	4					4
HP 3y NBD Advance Exchange OJ H SVC	HP	HP 3y NBD Advance Exchange OJ H SVC	4					4
Miscellaneous Cables	Intel	Ethernet Cables, various lengths	TBD					TBD
1port NIC	Intel	Intel I210-T1 - PCIe 2.1 - Gi Ethernet x 1	26					26
StarTech.com Mini DisplayPort to HDMI Adapter - 4K Active mDP 1.2 to HDMI V	StarTech	MDP2HD4KS	16					16

Spare Server & Workstation SSDs								
Description	Brand	Model	Admin Building	Admin Building DSS	Disaster Recovery	Plant Buildings	Spares	Total Units
Workstation SSD	Micron	MTFDKBA512QFM-1BD15ABYYR					2	2
HPE 480GB SATA RI SFF BC MV	HP	P40497-B21					4	4
HPE 1.92TB SATA RI SFF BC MV	HP	P40499-B21					4	4
HPE 3.84TB SATA RI SFF BC MV	HP	P40500-B21					4	4
HPE MSA 1.92TB SAS RI SFF M2	HP	R0Q47A					4	4
HPE 4TB SATA 7.2K LFF LP HDD	HP	861683-B21					4	4

SCADA Workstations					
Storage Name	**Description**	**Workstations**	**XOS/HMI**	**XE License**	**Monitors**
TPMXOS1	Operator Workstation	1	1		4
TPMXOS2	Operator Workstation	1	1		4
TPMXOS3	Operator Workstation	1	1		4
TPMXOS4	Operator Workstation	1	1		4
TPMXOS5	Operator Workstation	1	1		4
TPMXOS6	Operator Workstation	1	1		4
TPMXOS7	Thin RDP HMI	1	1		1
TPMXOS8	Thin RDP HMI	1	1		1
TPMXOS9	Thin RDP HMI	1	1		1
TPMVID1	Video Workstation	1	1		0
TPMDES1	Operator Workstation	1	1	1	4
TPMDES2	Operator Workstation	1	1	1	4
TPMDES3	Thin RDP DEV1 (uses Dev XE)	1	1		2
TPMXUP1	Operator Workstation (THMI)	1	1		1
TPMXUP2	Operator Workstation (THMI)	1	1		1
TPMXUP3	Operator Workstation (THMI)	1	1		1
TPMXUP4	Operator Workstation (THMI)	1	1		1
TPMXUP5	Operator Workstation (THMI)	1	1		1
TPMXUP6	Operator Workstation (THMI)	1	1		1
TPMXUP7	Operator Workstation (THMI)	1	1		1
TPMXUP8	Operator Workstation (THMI)	1	1		1
TPMXUP9	Operator Workstation (THMI)	1	1		1
TPSXOS1	Disaster Recovery	1	1		4
TPSXOS2	Disaster Recovery	1	1		4
TPADM1	Admin Workstation	1	0		2
Spare1	Workstation	1	0		1
Spare2	Workstation	1	0		1
		27	**24**	**2**	**58**

15. APPENDIX C – THIRD PARTY SOFTWARE SUMMARY

Item	Name	Description	Responsible for installing and configuring
1	Veeam	Backup VM images	SE and WA
2	Domain Time II	network timesync	SE and WA
3	Cylance endpoint protection	anti-virus	SE and WA
4	Cisco Duo	two-factor authentication	SE and WA
5	Splunk Server Forwarder	security	SE and WA
6	zScaler	security	SE and WA
7	Solar Winds	network monitoring	SE and WA
8	HP printer printer drivers	Windows drivers	SE
9	WSUS	Windows updates	WA
10	VMware Management software	Virtualization software	SE
11	Microsoft Excel (not the full Office suite)	Excel is required for running reports and for ADE database manipulation. No other productivity software is required for the operation of AES.	SE

16. APPENDIX D – AVEVA SW LICENSE LIST

ABCWUA Potable AVEVA Licenses

PERPETUAL Licences + 1 Year Maintenance and Support 17-Apr-25

Item	OASyS Licenses	Product Code	Qty
1	Enterprise SCADA RealTime Essentials Edition - Hot - 30K IO		1
2	Enterprise SCADA RealTime Essentials Edition - Standby - 30K IO		1
3	Enterprise SCADA Historical Essentials Edition - Hot - 30K IO		1
4	Enterprise SCADA Historical Essentials Edition - Standby - 30K IO		1
5	Ent SCADA Realtime Essentials Edition - DSS - Hot - 30k		1
6	Ent SCADA Historical Essentials Edition - DSS - Hot - 30K		1
7	Disaster Recovery (RealTime and Historical) (Backup 30K)		1
8	Smart Client Applications - ezXOS - Runtime (Named Client License)		31
9	Enterprise SCADA HMI - Essentials Extended Editor (XE)		2
10	Development Server Essentials Edition - 30K IO (Hot)		1
11	Enterprise SCADA HMI - Essentials Concurrent Client Access - View Only		20
12	SNMP Protocol		1

17. APPENDIX E – HISTORICAL SIZING REQUIRMENTS

Database	Table	Online (RTS) (YY:MM:DD)	Online (DSS) (YY:MM:DD)
accum	day	1:01:10	1:01:00
accum	hour	1:01:10	1:01:00
accum	month	10:00:00	10:00:00
accum	year	10:00:00	10:00:00
archive	device	10:00:00	10:00:00
archive	schedule	10:00:00	10:00:00
archive	catalog	10:00:00	10:00:00
CommStats	RemPeriodStats	0:01:01	0:01:01
CommStats	ConnPeriodStats	0:01:01	0:01:01
event	operEventSummary	0:03:10	1:00:01
operatorNotes	categoryDefine	10:00:00	10:00:00
operatorNotes	noteObjectRefer	10:00:00	10:00:00
operatorNotes	note	10:00:00	10:00:00
operatorNotes	noteAuditTrail	10:00:00	10:00:00
timeseries	collect	3:00:00	3:00:00
timeseries	hour	20:00:00	20:00:00
timeseries	day	20:00:00	20:00:00
timeseries	month	20:00:00	20:00:00
timeline	year	20:00:00	20:00:00
timeline	tag	10:00:00	10:00:00

18. APPENDIX F – ACE CODE LIST

Filename on DNA 7.5 (from 2021)	Comment
wsmpssf_total.vb	
watchdogTime.vb	
washFlow.cs	
Valve_inhibit.vb	
totResvSP.vb	
totPlantFlow.vb	
totalWellFlow.cs	
sumInputs.cs	
sumFlows.cs	
stepper.vb	
status_command.cs	
startCounts.vb	
sleeve_code.vb	
sjcReset.vb	
SJC_sysAlarm.vb	
SCADA_PCU18_DO.vb	
SCADA_PCU18_AO.vb	
RMNewFlow.vb	
quickAna.cs	
quickAlm2.cs	
~~phosphate.vb~~	Bagher - do not port
paj_code.vb	
mds_code.vb	
MdcArsenic.vb	
lea_code2.vb	
lea_code.vb	
ldrw2kwht_total.vb	
ldrw2kwht_2_tot.vb	
ldrw2kwht_1_tot.vb	
FlocSedCount.vb	
facilityManual.cs	
facilityAlarm.cs	
CRLR4_code.vb	

CRLR1_code.vb	
Consumption.vb	
analog_command.cs	

19. APPENDIX G – PRICE BREAKOUT

ABCWUA Fresh Water Enterprise SCADA Upgrade 2025

Price Form

	Item	Qty	Price
1	**Hardware**		**$259,090**
	Server Hardware		
	Workstation Equipment		
	Network Equipment		
	Spares		
2	**OASyS Licences**		
	Licenses		**$373,410**
	First Year Customer First		**$74,680**
3	**System Design**		**$369,136**
4	**Baseline Database Configuration**		**$84,084**
5	**Porting and Enhancements of Custom Applications**		**$426,071**
6	**System Installation**		**$319,462**
7	**HMI Screen Development**		
	In-Plant		**$395,333**
	Groundwater		**$395,333**
8	**Testing and Cutover**		**$780,103**
9	**Training and Documentation**		**$85,895**
10	**Project Management**		**$366,701**
	Total Project Cost		$3,929,298

	Payment Milestones (TBD)	(rounded %)	Phase 1	Phase 2
1	Phase 1 - Purchase Order Received	27%	$1,059,600	
2	Majority of Hardware received. Excludes minor hardware pieces that may be received later due to delay or repair.	4%		$158,482
3	AVEVA Licenses purchased.	12%		$471,516
4	System Installation Trip Complete. Excludes the installation of third party software that will be installed remotely following the initial build.	10%		$392,930
5	Parallel Mode Verification Complete	4%		$157,172
6	PreAT Complete.	12%		$471,516
7	AT Complete	15%		$589,395
8	Commissioning Complete	6%		$235,758
9	Final Acceptance	10%		$392,930
	Total by Phase	100%	$1,059,600	$2,869,698

20. APPENDIX H – PRELIMINARY GRAPHICS LIST

Key	Count
Remove	146
Consolidate	46
Template	252
Keep	354

Name	Folder Path	Comments
AA_ERIC_EX1.xem	C$\displays\custom\ERIC_WORK\	
AA_ERIC_FAC.xem	C$\displays\custom\ERIC_WORK\	
AA_ERICLIST_1.xem	C$\displays\custom\ERIC_WORK\	
AA_ERICLIST_2.xem	C$\displays\custom\ERIC_WORK\	
AA_GIO_01.xem	C$\displays\custom\00_training\	
AA_GIO_04.xem	C$\displays\custom\	
ABQ_FACILITY_ANALOG.XEM	C$\displays\custom\abq_Other\	
ABQ_SYSTEM_1LINE.XEM	C$\displays\custom\abq_Other\	
ABQ_SYSTEM_BAR.xem	C$\displays\custom\common\	Keep, Custom Alarm Bar
ABQ_TOOLBAR.XEM	C$\displays\custom\common\	Modified to new look and feel, changed to text instead of icons
ALMPS_5WR.XEM	C$\displays\custom\abq_Alarms_BP\	
ALMPS_7WR.XEM	C$\displays\custom\abq_Alarms_BP\	
ALMPS_ADC.XEM	C$\displays\custom\abq_Alarms_BP\	Migrate to Template
ALMPS_ADO.XEM	C$\displays\custom\abq_Alarms_BP\	Migrate to Template
ALMPS_ALA.XEM	C$\displays\custom\abq_Alarms_BP\	Migrate to Template
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ALMPS_ATR_OLD.XEM	C$\displays\custom\abq_Alarms_BP\	
ALMPS_BCI.XEM	C$\displays\custom\abq_Alarms_BP\	Migrate to Template
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ALMPS_COL.XEM	C$\displays\custom\abq_Alarms_BP\	Migrate to Template
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ALMWF_BCI.XEM	C$\displays\custom\abq_Alarms_WF\	Migrate to Template
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ALMWF_BUR.XEM	C$\displays\custom\abq_Alarms_WF\	Migrate to Template

Name	Folder Path	Comments
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ALMWF_COR.XEM	C$\displays\custom\abq_Alarms_WF\	Migrate to Template
ALMWF_CRL.XEM	C$\displays\custom\abq_Alarms_WF\	Migrate to Template
ALMWF_CRL2_OLD.xem	C$\displays\custom\	
ALMWF_CRL3.XEM	C$\displays\custom\abq_Alarms_WF\	Migrate to Template
ALMWF_CRLWP2.XEM	C$\displays\custom\abq_Alarms_WF\	Migrate to Template
ALMWF_CRLWP4.XEM	C$\displays\custom\abq_Alarms_WF\	Migrate to Template
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ALMWF_GONWP3.XEM	C$\displays\custom\abq_Alarms_WF\	Migrate to Template
ALMWF_GRI.XEM	C$\displays\custom\abq_Alarms_WF\	Migrate to Template
ALMWF_ITL.XEM	C$\displays\custom\abq_Alarms_WF\	Migrate to Template
ALMWF_ITLTF.XEM	C$\displays\custom\abq_Alarms_WF\	Migrate to Template
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ALMWF_LEA.XEM	C$\displays\custom\abq_Alarms_WF\	Migrate to Template
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ALMWF_WKR.XEM	C$\displays\custom\abq_Alarms_WF\	Migrate to Template
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ALMWF_YAL.XEM	C$\displays\custom\abq_Alarms_WF\	Migrate to Template
ALMWF_ZAM.XEM	C$\displays\custom\abq_Alarms_WF\	Migrate to Template
AS_ATR_COL.XEM	C$\displays\custom\1As\	Arsenic Calculator, Keep
AS_FWY.XEM	C$\displays\custom\1As\	Arsenic Calculator, Keep
AS_MGY.XEM	C$\displays\custom\1As\	Arsenic Calculator, Keep
AS_RID.XEM	C$\displays\custom\1As\	Arsenic Calculator, Keep
AS_VCL_DEG.XEM	C$\displays\custom\1As\	Arsenic Calculator, Keep
AUTO_CONTROL_INHIBITS.xem	C$\displays\custom\common\	Used to review inhibits on facility, Keep and Migrate Functionality
BAGHER_TEST.xem	C$\displays\custom\	
BAGHER_TEST2.XEM	C$\displays\custom\	
BUR_VALVE_MAP.XEM	C$\displays\custom\1sjc\	
CHW_VALVE_MAP.XEM	C$\displays\custom\1sjc\	
CITY_RES_FT.xem	C$\displays\custom\	
CL_PH_OVERVIEW.XEM	C$\displays\custom\abq_Overviews\	
CMX_COLOR_SELECT.XEM	C$\displays\custom\AdHoc_Trending\	
CMX_TREND_ADHOC.XEM	C$\displays\custom\AdHoc_Trending\	
CMX_TREND_INSERT.XEM	C$\displays\custom\AdHoc_Trending\	
CMX_TREND_PATHSELECT.XEM	C$\displays\custom\AdHoc_Trending\	
CMX_TREND_TIME.XEM	C$\displays\custom\AdHoc_Trending\	
CMX_TRENDSET_SELECT.XEM	C$\displays\custom\AdHoc_Trending\	
CNTL_ACE.XEM	C$\displays\custom\common\	
CNTL_ANALOG.xem	C$\displays\custom\common\	Add Control Analog with Trend, Demo from Tucson
CNTL_AUTO_ONOFF.xem	C$\displays\custom\common\	
CNTL_AUTO_VALVE.xem	C$\displays\custom\common\	
CNTL_AUTO_VARSPEED.xem	C$\displays\custom\common\	
CNTL_CONNECTION.XEM	C$\displays\custom\common\	
CNTL_DEARCHIVE.XEM	C$\displays\custom\common\	
CNTL_RATE.XEM	C$\displays\custom\common\	
CNTL_REMOTE.XEM	C$\displays\custom\common\	
CNTL_STATUS.XEM	C$\displays\custom\common\	
CNTL_TAG.xem	C$\displays\custom\common\	
COL_VALVE_MAP.XEM	C$\displays\custom\1sjc\	
COR_VALVE_MAP.XEM	C$\displays\custom\1sjc\	
CRL RES W7 TEST.XEM	C$\displays\custom\1sjc\	
CRL_1_RES_WELL_P&ID.XEM	C$\displays\custom\abq_Facilities\	
CRL_2_WELL_P&ID.XEM	C$\displays\custom\abq_Facilities\	
CRL_3_RES_WELL_P&ID.XEM	C$\displays\custom\abq_Facilities\	
CRL_4_RES_WELL_P&ID.XEM	C$\displays\custom\abq_Facilities\	
CRL_7_RES_WELL.XEM	C$\displays\custom\abq_Facilities\	
CRL_7_RES_WELL_P&ID.XEM	C$\displays\custom\abq_Facilities\	
CRL_RES_W7_TEST.xem	C$\displays\custom\abq_Facilities\	

Name	Folder Path	Comments
DEAN.xem	C$\displays\custom\	
DON_VALVE_MAP.XEM	C$\displays\custom\1sjc\	
FAC_5WR.XEM	C$\displays\custom\abq_Facilities\	
FAC_7WR.XEM	C$\displays\custom\abq_Facilities\	
FAC_ADC.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_ADO.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_ALA.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_ASR.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_ASR_OLD.XEM	C$\displays\custom\abq_Facilities\	
FAC_ATR.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_BCI.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_BCI_7_25.XEM	C$\displays\custom\abq_Facilities\	
FAC_BCI_bad.XEM	C$\displays\custom\abq_Facilities\	
FAC_BCI_old.XEM	C$\displays\custom\abq_Facilities\	
FAC_BCI_TEST.XEM	C$\displays\custom\abq_Facilities\	
FAC_BCI_TEST2.XEM	C$\displays\custom\abq_Facilities\	
FAC_BUR.xem	C$\displays\custom\1sjc\	
FAC_BUR.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_CAN.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_CHW.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_COL.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_COL_OLD.xem	C$\displays\custom\1sjc\	
FAC_COR.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_COR_OLD.XEM	C$\displays\custom\1sjc\	
FAC_CRL.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_CRLW2_CRLR3.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_CRLW2_CRLR3.XEM-20211122	C$\displays\custom\abq_Facilities\	
FAC_CRLW2_CRLR3-Copy.XEM	C$\displays\custom\abq_Facilities\	
FAC_CRLW2_CRLR3-Copy-2.XEM	C$\displays\custom\abq_Facilities\	
FAC_CRLW7.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_CRLW9.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_DEG.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_DEL.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_DEU.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_DON.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_DON_OLD_06_2021.xem	C$\displays\custom\1sjc\	
FAC_DUR.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_ECH.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_EMB.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_EOG.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_ESC.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_EUB.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_FHS.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_FRN.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_GON.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_GRI.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_GUT.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_GWD.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_HON.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_ITL.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_KIV.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_LDR.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_LDR_OLD.XEM	C$\displays\custom\abq_Facilities\	
FAC_LEA.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_LOM.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_LVA.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_MDC.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_MDS.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_MDS_OLD.XEM	C$\displays\custom\abq_Facilities\	
FAC_MRD.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_OTO.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_OTO.XEM.20210928	C$\displays\custom\abq_Facilities\	
FAC_PAJ.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_PDS.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_PIL.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_PIL_OLD.XEM	C$\displays\custom\abq_Facilities\	
FAC_PON.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_RCO.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_RCO2.XEM	C$\displays\custom\abq_Facilities\	
FAC_RID.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_SBA.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_SIM.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_SJE.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_SMR.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_SRK.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_SUN.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_SWRP.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_THS.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_TYPICAL.XEM	C$\displays\custom\abq_Facilities\	

Name	Folder Path	Comments
FAC_VCL.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_VCL_OLd 11_17_2022.xem	C$\displays\custom\1sjc\	
FAC_VCL_OLD.XEM	C$\displays\custom\abq_Facilities\	
FAC_VLA.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_WAW.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_WKR.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_WSM.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_YAL.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
FAC_ZAM.XEM	C$\displays\custom\abq_Facilities\	Migrate to Template
HDB_COMSTATS_EDIT.XEM	C$\displays\custom\common\	
HDB_CONNSTATS_EDIT.XEM	C$\displays\custom\common\	
HYD_LAYER_BUTTONS_EAST.XEM	C$\displays\custom\abq_Overviews\	Buttons from OVW_HYDRAULIC_EAST
HYD_LAYER_BUTTONS_WEST.XEM	C$\displays\custom\abq_Overviews\	Buttons from OVW_HYDRAULIC_WEST
KAMTEST.xem	C$\displays\custom\	
LAYER_BUTTONS.XEM	C$\displays\custom\abq_Overviews\	
LDR_VALVE_MAP.XEM	C$\displays\custom\1sjc\	
M_DEV_MANL.XEM	C$\displays\custom\common74\	
MAPBOARD_CORRALES.XEM	C$\displays\custom\abq_Overviews\	
MAPBOARD_CORRALES_ABQ.XEM	C$\displays\custom\abq_Overviews\	
MAPBOARD_CORRALES_INTEL.XEM	C$\displays\custom\abq_Overviews\	
MAPBOARD_CORRALES_ITL.XEM	C$\displays\custom\abq_Overviews\	
MAPBOARD_CORRALES2.XEM	C$\displays\custom\abq_Overviews\	
MAPBOARD_CORRALES2_ITL.XEM	C$\displays\custom\abq_Overviews\	
MAPBOARD_CORRALES2_JON.XEM	C$\displays\custom\abq_Overviews\	
MAPBOARD_CRL2_JON.XEM	C$\displays\custom\abq_Overviews\	
MAPBOARD_EAST_NORTH.XEM	C$\displays\custom\abq_Overviews\	
MAPBOARD_EAST_SOUTH.XEM	C$\displays\custom\abq_Overviews\	
MAPBOARD_INTEL.XEM	C$\displays\custom\abq_Overviews\	
MAPBOARD_WEST.XEM	C$\displays\custom\abq_Overviews\	
MAPBOARD_WEST_OLD.XEM	C$\displays\custom\abq_Overviews\	
MEMORYLEAKTEST.xem	C$\displays\custom\demo\	
MENU_ABQ.XEM	C$\displays\custom\abq_Other\	
MENU_FACILITY_ALPHA.XEM	C$\displays\custom\abq_Other\	
MYRON_1.xem	C$\displays\custom\abq_Overviews\	
MYRON_10.xem	C$\displays\custom\abq_Overviews\	
MYRON_11.xem	C$\displays\custom\abq_Overviews\	
MYRON_2.xem	C$\displays\custom\abq_Overviews\	
MYRON_3.XEM	C$\displays\custom\abq_Overviews\	
MYRON_4.xem	C$\displays\custom\abq_Overviews\	
MYRON_5.xem	C$\displays\custom\abq_Overviews\	
MYRON_6.xem	C$\displays\custom\abq_Overviews\	
MYRON_7.xem	C$\displays\custom\abq_Overviews\	
MYRON_8.xem	C$\displays\custom\abq_Overviews\	
MYRON_9.xem	C$\displays\custom\abq_Overviews\	
MYRON_C_1.xec	C$\displays\custom\abq_Overviews\	
MYRONTEST.xem	C$\displays\custom\abq_Overviews\	
OVERVIEW_COMPLETE.XEM	C$\displays\custom\abq_Overviews\	
OVW_CITY.XEM	C$\displays\custom\abq_Overviews\	
OVW_HYDRAULIC_EAST.XEM	C$\displays\custom\abq_Overviews\	
OVW_HYDRAULIC_WEST.XEM	C$\displays\custom\abq_Overviews\	
OVW_TRUNKS.XEM	C$\displays\custom\abq_Overviews\	
OVW_TRUNKS_ABQ.XEM	C$\displays\custom\abq_Overviews\	
OVW_TRUNKS_FT.XEM	C$\displays\custom\abq_Overviews\	
OVW_TRUNKS2.XEM	C$\displays\custom\abq_Overviews\	
OVW_TRUNKS3.XEM	C$\displays\custom\abq_Overviews\	
PERFTEST.xem	C$\displays\custom\demo\	
PNL_CAN_ALARMS.XEM	C$\displays\custom\abq_PopUps\	
PNL_COR_ALARMS.XEM	C$\displays\custom\abq_PopUps\	
PNL_CRLWP8.XEM	C$\displays\custom\abq_PopUps\	
PNL_CRLWP8_JON.XEM	C$\displays\custom\abq_PopUps\	
PNL_CRLWP9.XEM	C$\displays\custom\abq_PopUps\	
PNL_EUBWP8.XEM	C$\displays\custom\abq_PopUps\	
PNL_GON_ALARMS.XEM	C$\displays\custom\abq_PopUps\	
PNL_GWD2_ALARMS.XEM	C$\displays\custom\abq_PopUps\	
PNL_LEA_ALARMS.XEM	C$\displays\custom\abq_PopUps\	
PNL_PON2_ALARMS.XEM	C$\displays\custom\abq_PopUps\	
PNL_RCO_ALARMS.XEM	C$\displays\custom\abq_PopUps\	
PNL_RIDWP5.XEM	C$\displays\custom\abq_PopUps\	
PNL_THSWP5.XEM	C$\displays\custom\abq_PopUps\	
PNL_WAW_ALARMS.XEM	C$\displays\custom\abq_PopUps\	
PNL_WELL.XEM	C$\displays\custom\abq_PopUps\	
PNL_YAL_ALARMS.XEM	C$\displays\custom\abq_PopUps\	
PUMPLAYER_BUTTONS.XEM	C$\displays\custom\abq_Trends\	
readme.txt	C$\displays\custom\	
REPORT_INDEX.XEM	C$\displays\custom\abq_Other\	
SELECT_FACILITY.xem	C$\displays\custom\common\	
SJC_CHW_DATA.XEM	C$\displays\custom\1sjc\	
SJC_DAM_ALARMS.XEM	C$\displays\custom\1dam\	
SJC_DAM_ALARMS_2.XEM	C$\displays\custom\1dam\	

Name	Folder Path	Comments
SJC_DAM_OVERVIEW.XEM	C$\displays\custom\1dam\	Orientation Changes, N on Top, S on Bottom, Mirror E/W as well, Consolidate with SJC_RWEAST and SCC_RWWEST
SJC_DAM_SECURITY.XEM	C$\displays\custom\1dam\	Possible Consolidate with Building
SJC_DAM_SECURITY_2.XEM	C$\displays\custom\1dam\	Possible Consolidate with Building
SJC_EAST_INZONE_CNTL.XEM	C$\displays\custom\1sjc\	Review if ACE Code Involved, remove
SJC_EAST_OUTFL_CNTL.XEM	C$\displays\custom\1sjc\	Review if ACE Code Involved, remove
SJC_ECN_CNTL.XEM	C$\displays\custom\1sjc\	
SJC_ESR_EDIT.XEM	C$\displays\custom\1sjc\	
SJC_FAC_DATA.XEM	C$\displays\custom\1sjc\	
SJC_FWEAST_CNTL.XEM	C$\displays\custom\1sjc\	Review if ACE Code Involved
SJC_FWPUMP_CNTL.XEM	C$\displays\custom\1sjc\	Review if ACE Code Involved
SJC_FWPUMPS_SETPTS.XEM	C$\displays\custom\1sjc\	Review if ACE Code Involved
SJC_FWWEST_CNTL.XEM	C$\displays\custom\1sjc\	Review if ACE Code Involved
SJC_ICV_CNTL.XEM	C$\displays\custom\1sjc\	
SJC_RWEAST_GATES.XEM	C$\displays\custom\1dam\	North on top, South on Bottom
SJC_RWEAST_OVERVIEW.XEM	C$\displays\custom\1dam\	Consolidate with SCJ_DAM_OVERVIEW
SJC_RWEAST_PUMPS.XEM	C$\displays\custom\1dam\	
SJC_RWPS_DMD_SCHED.XEM	C$\displays\custom\1dam\	Volume Pumped Sum Accuracy, DST Fixes in script, Raw Water Pump Station Display Names 3 letter abbreviation
SJC_RWPS_INHIBITS.XEM	C$\displays\custom\1dam\	Raw Water Pump Station Display Names 3 letter abbreviation
SJC_RWPS_SUMMARY.XEM	C$\displays\custom\1dam\	Raw Water Pump Station Display Names 3 letter abbreviation
SJC_RWWEST_OVERVIEW.XEM	C$\displays\custom\1dam\	Consolidate with SJC_DAM_OVERVIEW
SJC_RWWEST_PUMPS.XEM	C$\displays\custom\1dam\	
SJC_SHUTDOWN_EAST_OUTFLOW.XEM	C$\displays\custom\1sjc\	Review if ACE Code Involved
SJC_SHUTDOWN_EAST_PROD.XEM	C$\displays\custom\1sjc\	Review if ACE Code Involved
SJC_SHUTDOWN_EAST_ZONE.XEM	C$\displays\custom\1sjc\	Review if ACE Code Involved
SJC_SHUTDOWN_WEST_PROD.XEM	C$\displays\custom\1sjc\	Review if ACE Code Involved
SJC_SHUTDOWN_WEST_ZONE.XEM	C$\displays\custom\1sjc\	Review if ACE Code Involved
SJC_STARTUP_EAST_OUTFLOW.XEM	C$\displays\custom\1sjc\	Review if ACE Code Involved
SJC_STARTUP_EAST_PROD.XEM	C$\displays\custom\1sjc\	Review if ACE Code Involved
SJC_STARTUP_EAST_ZONE.XEM	C$\displays\custom\1sjc\	Review if ACE Code Involved
SJC_STARTUP_WEST_PROD.XEM	C$\displays\custom\1sjc\	Review if ACE Code Involved
SJC_STARTUP_WEST_ZONE.XEM	C$\displays\custom\1sjc\	Review if ACE Code Involved
SJC_VALVE_MAP.XEM	C$\displays\custom\1sjc\	
SJC_VALVE_TABLE.XEM	C$\displays\custom\1sjc\	Review if ACE Code Involved
SJC_VSP_CNTL.XEM	C$\displays\custom\1sjc\	
SJC_WEST_INZONE_CNTL.XEM	C$\displays\custom\1sjc\	Review if ACE Code Involved
SUM_ACE.xem	C$\displays\custom\common\	
SUM_ALARM.xem	C$\displays\custom\common\	
SUM_ALARM_POINT.xem	C$\displays\custom\common\	
SUM_ALARM_STATION.xem	C$\displays\custom\common\	
SUM_ANALOG.xem	C$\displays\custom\common\	
SUM_ANALOG_STATION.xem	C$\displays\custom\common\	
SUM_AUTO_VALVE.xem	C$\displays\custom\common\	
SUM_AUTO_VARSPEED.xem	C$\displays\custom\common\	
SUM_CONNECTION.xem	C$\displays\custom\common\	
SUM_CONNECTION_STATS.XEM	C$\displays\custom\common\	
SUM_DATAPUMP.XEM	C$\displays\custom\common\	
SUM_DISTRIBUSYS.xem	C$\displays\custom\common\	
SUM_EVENT.xem	C$\displays\custom\common\	
SUM_EVENT_STATION.xem	C$\displays\custom\common\	
SUM_MODE.xem	C$\displays\custom\common\	
SUM_MODEM.xem	C$\displays\custom\common\	
SUM_MULTISTATE.XEM	C$\displays\custom\common\	
SUM_OPNOTES.XEM	C$\displays\custom\common\	
SUM_RATE.xem	C$\displays\custom\common\	
SUM_RATE_STATION.XEM	C$\displays\custom\common\	
SUM_REMCONN_STATS.XEM	C$\displays\custom\common\	
SUM_REMOTE.xem	C$\displays\custom\common\	
SUM_STATUS.xem	C$\displays\custom\common\	
SUM_STATUS_STATION.XEM	C$\displays\custom\common\	
SUM_TAG.xem	C$\displays\custom\common\	
SWTP_TEMP_ALARM_SUMMARY.XEM	C$\displays\custom\1As\	Temporary Display used for COVID, add button on WTP Menu?
SYS_SYMBOL_LIB.XEM	C$\displays\custom\abq_Other\	New legend display to include all the same information, Separate Legend for SWRP, SWTP
SYSTEM_DISPLAYS.xem	C$\displays\custom\common\	
SYSTEM_OVERVIEW.xem	C$\displays\custom\common\	
TBL_ARSENIC.XEM	C$\displays\custom\1As\	
TBL_BOOSTER_STATUS.XEM	C$\displays\custom\abq_Other\	
TBL_CHLORINE_SYSTEM_OLD2.XEM	C$\displays\custom\abq_Other\	
tbl_Chlorine_Systems.dxf	C$\displays\custom\abq_Other\	
TBL_CHLORINE_SYSTEMS.XEM	C$\displays\custom\abq_Other\	
TBL_CHLORINE_SYSTEMS_OLD 7_15_22.XEM	C$\displays\custom\abq_Other\	
TBL_CHLORINE_SYSTEMS_OLD.XEM	C$\displays\custom\abq_Other\	
TBL_CPTR_RM_STATUS.XEM	C$\displays\custom\abq_Other\	
TBL_FLUORIDE.XEM	C$\displays\custom\Fluoride\	
tbl_Oil_Drip_Rates.dxf	C$\displays\custom\abq_Other\	
TBL_OIL_DRIP_RATES.XEM	C$\displays\custom\abq_Other\	Combine with WELL_STATUS?
TBL_PRV.XEM	C$\displays\custom\abq_Other\	
TBL_RADIO_SYSTEMS.XEM	C$\displays\custom\abq_Other\	Needs Cleanup, Move Vault In Flow removed? New pipeline installed

Name	Folder Path	Comments
TBL_WELL_FLCONC.XEM	C$\displays\custom\Fluoride\	
TBL_WELL_STATUS.XEM	C$\displays\custom\abq_Other\	Include OIL_DRIP?
TEST.xem	C$\displays\custom\	
TESTKAM.xem	C$\displays\custom\	
TREND_7WR.XEM	C$\displays\custom\abq_Trends\	
TREND_ADC.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_ADO.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_ALA.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_ATR.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_ATR_2.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_ATR_BP.XEM	C$\displays\custom\abq_Trends\	
TREND_BCI.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_BCI_2.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_BUR.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_BUR_2.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_CAN.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_CHW.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_CHW_2.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_COL.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_COL_2.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_COR.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_COR_2.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_CRL.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_CRL_2.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_CRLR6.XEM	C$\displays\custom\abq_Trends\	
TREND_DEG.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_DEL.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_DEU.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_DON.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_DUR.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_DUR_2.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_ECH.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_EMB.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_EOG.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_ESC.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_EUB.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_EUB_2.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_FHS.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_FRN.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_FRN_B.XEM	C$\displays\custom\abq_Trends\	
TREND_GLOBAL.XEM	C$\displays\custom\common\	
TREND_GLOBAL_EDIT.XEM	C$\displays\custom\common\	
TREND_GON.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_GON_2.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_GRI.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_GRI_2.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_GUT.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_GWD.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_HON.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_ITL.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_KIV.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_LDR.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_LDR_2.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_LEA.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_LEVEL.XEM	C$\displays\custom\abq_Trends\	
TREND_LOM.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_LOM_2.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_LVA.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_LVL_ATR.XEM	C$\displays\custom\abq_Trends\	
TREND_MDC.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_MDC_2.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_MDS.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_MRD.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_MRD_2.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_OTO.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_PAJ.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_PDS.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_PIL.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_PON.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_PON_2.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_QUICKTREND.XEM	C$\displays\custom\common\	Migrate to Template
TREND_RCO.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_RCO2.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_RID.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_RID_2.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_RWPS_EAST.XEM	C$\displays\custom\1dam\	Migrate to Template
TREND_RWPS_WEST.XEM	C$\displays\custom\1dam\	Migrate to Template
TREND_SBA.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_SBA_2.XEM	C$\displays\custom\abq_Trends\	Migrate to Template

Name	Folder Path	Comments
TREND_SIM.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_SJE.XEM	C$\displays\custom\abq_Trends\	
TREND_SJE_2.XEM	C$\displays\custom\abq_Trends\	
TREND_SMR.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_SRK.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_SUN.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_SWRP.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_THS.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_THS_2.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_VCL.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_VCL_2.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_VLA.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_VLA_2.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_WAW.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_WAW_2.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_WKR.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_WSM.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_WSM_2.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_YAL.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_YAL_2.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
TREND_ZAM.XEM	C$\displays\custom\abq_Trends\	Migrate to Template
V_ACTION_ECONCONTROL.XEM	C$\displays\custom\common74\	
V_DIRECTINJ_SUMMARY.XEM	C$\displays\custom\common\	
V_ECC_INHIBIT.XEM	C$\displays\custom\common74\	
V_ENERGY_SUMMARY.XEM	C$\displays\custom\common\	
V_ONOFFPUMP_SUMMARY.xem	C$\displays\custom\common\	
V_OUTOFSERVICE_SUMMARY.XEM	C$\displays\custom\common\	
V_POINT_TAG.XEM	C$\displays\custom\common74\	
V_TAG_EDIT.XEM	C$\displays\custom\common74\	
V_TIMERS.XEM	C$\displays\custom\common74\	
V_WELLFIELD_SUMMARY.XEM	C$\displays\custom\common\	
VCL_VALVE_MAP.XEM	C$\displays\custom\1sjc\	
VF_ANL_SELECT.XEM	C$\displays\custom\forms74\	
VF_AUTO_SELECT.XEM	C$\displays\custom\forms74\	
VF_DTS_SELECT.XEM	C$\displays\custom\forms74\	
VF_ECN_EDIT.XEM	C$\displays\custom\forms74\	
VF_ECN_SELECT.XEM	C$\displays\custom\forms74\	
VF_ENERGY_SELECT.XEM	C$\displays\custom\forms74\	
VF_ESP_EDIT.XEM	C$\displays\custom\forms74\	
VF_ESP_SELECT.XEM	C$\displays\custom\forms74\	
VF_ESR_EDIT.XEM	C$\displays\custom\forms74\	
VF_ESR_SELECT.XEM	C$\displays\custom\forms74\	
VF_GRP_SELECT.XEM	C$\displays\custom\baseline74\	
VF_MSG_SELECT.XEM	C$\displays\custom\baseline74\	
VF_OMN_SELECT.XEM	C$\displays\custom\baseline74\	
VF_OOS_SELECT.XEM	C$\displays\custom\forms74\	
VF_PATH_SELECT.XEM	C$\displays\custom\AdHoc_Trending\	
VF_POP_CONFIRM.XEM	C$\displays\custom\baseline74\	
VF_POP_FAIL.XEM	C$\displays\custom\forms74\	
VF_POP_MESSAGE.XEM	C$\displays\custom\forms74\	
VF_POP_NOTIFY.XEM	C$\displays\custom\baseline74\	
VF_POP_NOTIFYEXEC.XEM	C$\displays\custom\forms74\	
VF_RMT_SELECT.XEM	C$\displays\custom\baseline74\	
VF_STS_SELECT.XEM	C$\displays\custom\forms74\	
VF_TRENDSET_EDIT.XEM	C$\displays\custom\AdHoc_Trending\	
VF_TRENDSET_MODE.XEM	C$\displays\custom\AdHoc_Trending\	
VF_TRENDSET_SELECT.XEM	C$\displays\custom\AdHoc_Trending\	
VF_WELLFIELD_SELECT.XEM	C$\displays\custom\forms74\	
VP_ECC_CNTL.XEM	C$\displays\custom\common74\	
VP_ECN_CNTL.XEM	C$\displays\custom\common74\	
VP_ENF_CNTL.XEM	C$\displays\custom\common74\	
VP_EWF_CNTL.XEM	C$\displays\custom\common74\	
WELL_TOTALIZERS.XEM	C$\displays\custom\abq_Other\	
WP_CNTL.XEM	C$\displays\custom\abq_PopUps\	
WTP_ANALOG_SUMMARY.XEM	C$\displays\custom\0wtp_Other\	
WTP_DISP_SEL.XEM	C$\displays\custom\1sjc\	
WTP_DISPLAY_MENU.XEM	C$\displays\custom\0wtp_Other\	
WTP_PLANT_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	Enlarge to fit screen at launch, Add new or additional processes
WTP_PLANT_OVERVIEW_FLOWS.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_PLANT_OVERVIEW_PROCESS.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_PLC_COMM.XEM	C$\displays\custom\0wtp_Other\	Station 70 Discussion Ongoing
WTP_STATUS_SUMMARY.XEM	C$\displays\custom\0wtp_Other\	
WTP_SYS_MENU.xem	C$\displays\custom\0wtp_Other\	
WTP_SYS_MENU_OLD.XEM	C$\displays\custom\0wtp_Other\	
WTP_TURBIDITY_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP13_PSDPUMPS_TREND.XEM	C$\displays\custom\0wtp_Trends\	
WTP_UP15_BUILDING.XEM	C$\displays\custom\0wtp_Building\	Consolidate
WTP_UP15_CONTROL.XEM	C$\displays\custom\0wtp_Control\	Cleanup of orientations? Resize appropriately
WTP_UP15_LEVEL2A_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	

Name	Folder Path	Comments
WTP_UP15_LEVEL2B_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP15_MCC.XEM	C$\displays\custom\0wtp_MCC\	Possible Consolidate with Building
WTP_UP15_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	Consolidate or Remove.
WTP_UP15_PUMPS1-4.XEM	C$\displays\custom\0wtp_Alarms\	
WTP_UP15_PUMPS6-10.XEM	C$\displays\custom\0wtp_Alarms\	
WTP_UP15_SECURITY.XEM	C$\displays\custom\0wtp_Security\	Possible Consolidate with Building
WTP_UP15_SWP_QUALITY.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP15_SWPUMPS_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP20_MIXERS1-4.XEM	C$\displays\custom\0wtp_Alarms\	
WTP_UP20_MIXERS5-8.XEM	C$\displays\custom\0wtp_Alarms\	
WTP_UP20_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	Consolidate
WTP_UP20_RMIXERS_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP20_RPDMIX_FCVS.XEM	C$\displays\custom\0wtp_Alarms\	
WTP_UP20_SECURITY.XEM	C$\displays\custom\0wtp_Security\	Possible Consolidate with Building
WTP_UP25_BUILDING.XEM	C$\displays\custom\0wtp_Building\	Consolidate
WTP_UP25_CHEMA_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP25_COAGULATION_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP25_FLOCSED_CLRFY.XEM	C$\displays\custom\0wtp_Alarms\	
WTP_UP25_FLOCSED_POLY.XEM	C$\displays\custom\0wtp_Alarms\	
WTP_UP25_FLOCSED_SAND.XEM	C$\displays\custom\0wtp_Alarms\	
WTP_UP25_FLOCSED_SLURRY.XEM	C$\displays\custom\0wtp_Alarms\	Consolidate or Remove.
WTP_UP25_INJECTION_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP25_LEVEL2_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP25_MATURATION_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP25_MCC.XEM	C$\displays\custom\0wtp_MCC\	Possible Consolidate with Building
WTP_UP25_OVERVIEW_1.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP25_OVERVIEW_2.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP25_OZONE_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP25_PID.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP25_POLY_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP25_POLY2_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP25_RECIRCA_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP25_RECIRCB_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP25_SAND_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP25_SECURITY.XEM	C$\displays\custom\0wtp_Security\	Possible Consolidate with Building
WTP_UP25_SECURITY_2.XEM	C$\displays\custom\0wtp_Security\	Possible Consolidate with Building
WTP_UP25_SETTLING_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP25_SLURRY_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP25A_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP25A_SECURITY.XEM	C$\displays\custom\0wtp_Security\	Possible Consolidate with Building
WTP_UP25B_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP30_BUILDING.XEM	C$\displays\custom\0wtp_Building\	Consolidate
WTP_UP30_LEVEL2_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP30_MCC.XEM	C$\displays\custom\0wtp_MCC\	Possible Consolidate with Building
WTP_UP30_OZONE_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP30_OZONE1_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP30_OZONE2_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP30_OZONE3_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP30_OZONE4_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP30_SECURITY.XEM	C$\displays\custom\0wtp_Security\	Possible Consolidate with Building
WTP_UP40_BLOWER_ALARMS.XEM	C$\displays\custom\0wtp_Alarms\	
WTP_UP40_BLOWERS_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP40_BUILDING.XEM	C$\displays\custom\0wtp_Building\	Consolidate
WTP_UP40_FILTER_ALARMS.XEM	C$\displays\custom\0wtp_Alarms\	Used as template
WTP_UP40_FILTER_CNTL.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP40_FILTER_CONTROL.XEM	C$\displays\custom\0wtp_Control\	Rename to include Backwash, Ensure all navigation links remain
WTP_UP40_FILTER_OFF.XEM	C$\displays\custom\0wtp_Popups\	
WTP_UP40_FILTER_SEQ.XEM	C$\displays\custom\0wtp_Popups\	
WTP_UP40_FILTER_TRE.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER1_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER1_TREND2.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER1_TREND3.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER1_TREND4.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER10_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER10_TREND2.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER10_TREND3.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER10_TREND4.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER11_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER11_TREND2.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER11_TREND3.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER11_TREND4.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER12_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER12_TREND2.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER12_TREND3.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER12_TREND4.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER2_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER2_TREND2.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER2_TREND3.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER2_TREND4.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template

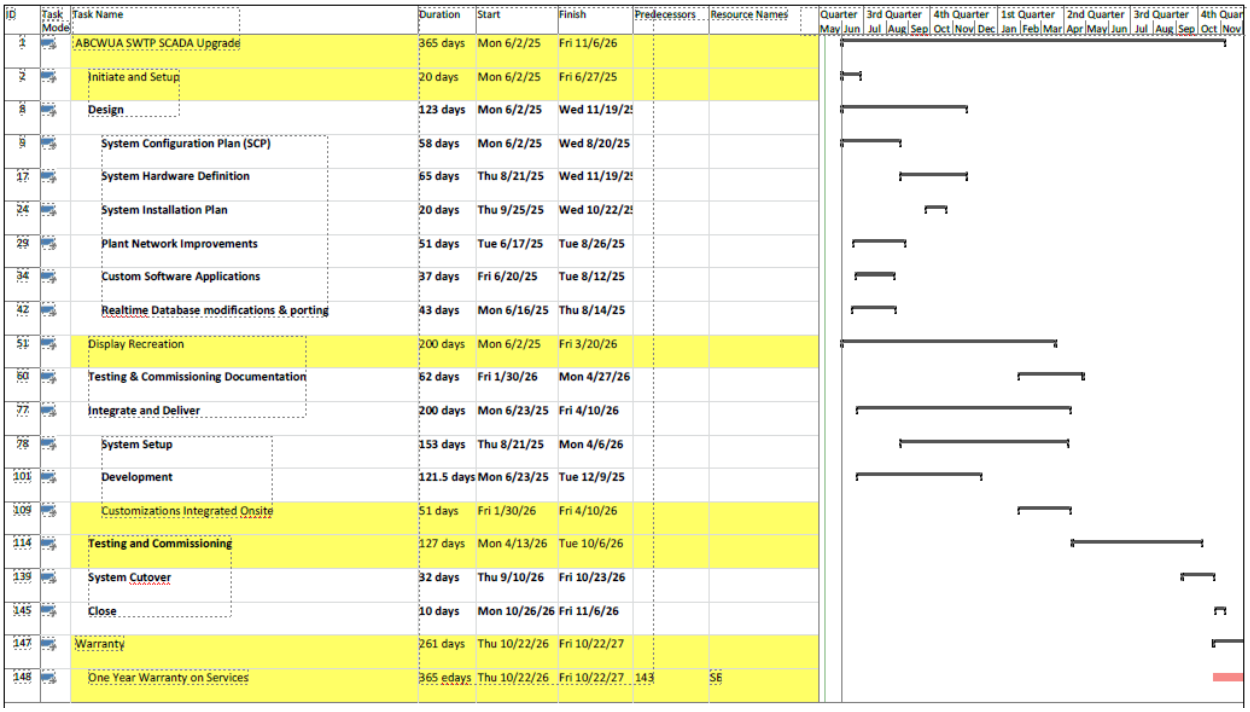
Name	Folder Path	Comments
WTP_UP40_FILTER3_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER3_TREND2.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER3_TREND3.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER3_TREND4.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER4_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER4_TREND2.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER4_TREND3.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER4_TREND4.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER5_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER5_TREND2.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER5_TREND3.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER5_TREND4.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER6_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER6_TREND2.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER6_TREND3.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER6_TREND4.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER7_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER7_TREND2.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER7_TREND3.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER7_TREND4.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER8_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER8_TREND2.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER8_TREND3.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER8_TREND4.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER9_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER9_TREND2.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER9_TREND3.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTER9_TREND4.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP40_FILTERS.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP40_LEVEL2_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP40_MCC.XEM	C$\displays\custom\0wtp_MCC\	Possible Consolidate with Building
WTP_UP40_PID_1.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP40_PID_10.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP40_PID_11.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP40_PID_12.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP40_PID_2.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP40_PID_3.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP40_PID_4.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP40_PID_5.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP40_PID_6.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP40_PID_7.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP40_PID_8.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP40_PID_9.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP40_SECURITY.XEM	C$\displays\custom\0wtp_Security\	Possible Consolidate with Building
WTP_UP41_PID.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP41_PID_1.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP41_PID_2.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP50_BUILDING.XEM	C$\displays\custom\0wtp_Building\	Consolidate MCC, Security, to Building
WTP_UP50_BWSUPPLY_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	Review BW Today Flow Total
WTP_UP50_BWSUPPLY_PUMPS.XEM	C$\displays\custom\0wtp_Alarms\	
WTP_UP50_BWSUPPLY_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP50_BWSUPPLY2_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP50_FLUORIDE_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	Rename to UP70?
WTP_UP50_FWEAST_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP50_FWEAST_OVERVIEW_OLD.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP50_FWEAST_PUMPS1-5.XEM	C$\displays\custom\0wtp_Alarms\	
WTP_UP50_FWEAST_PUMPS6-7.XEM	C$\displays\custom\0wtp_Alarms\	
WTP_UP50_FWEAST_TREND.XEM	C$\displays\custom\0wtp_Trends\	
WTP_UP50_FWEAST_TREND-DEAN.XEM	C$\displays\custom\0wtp_Trends\	
WTP_UP50_FWEAST2_TREND.XEM	C$\displays\custom\0wtp_Trends\	
WTP_UP50_FWPS_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP50_FWWEST_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP50_FWWEST_PUMPS1-3.XEM	C$\displays\custom\0wtp_Alarms\	
WTP_UP50_FWWEST_PUMPS8-9.XEM	C$\displays\custom\0wtp_Alarms\	
WTP_UP50_FWWEST_TREND.XEM	C$\displays\custom\0wtp_Trends\	
WTP_UP50_FWWEST2_TREND.XEM	C$\displays\custom\0wtp_Trends\	
WTP_UP50_LEVEL2_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP50_LEVEL2_OVERVIEW_OLD.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP50_MCC.XEM	C$\displays\custom\0wtp_MCC\	Possible Consolidate with Building
WTP_UP50_PID.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP50_SECURITY.XEM	C$\displays\custom\0wtp_Security\	Possible Consolidate with Building
WTP_UP50E_PID_1.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP50E_PID_3.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP50W_PID_1.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP50W_PID_3.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP60_BUILDING.XEM	C$\displays\custom\0wtp_Building\	Consolidate
WTP_UP60_BWWASTE_ALARMS.XEM	C$\displays\custom\0wtp_Alarms\	
WTP_UP60_BWWASTE_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP60_LEVEL2_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	

Name	Folder Path	Comments
WTP_UP60_MCC.XEM	C$\displays\custom\0wtp_MCC\	Possible Consolidate with Building
WTP_UP60_MCC_2.XEM	C$\displays\custom\0wtp_MCC\	Possible Consolidate with Building
WTP_UP60_MCC_3.XEM	C$\displays\custom\0wtp_MCC\	Possible Consolidate with Building
WTP_UP60_MCC_4.XEM	C$\displays\custom\0wtp_MCC\	Possible Consolidate with Building
WTP_UP60_SECURITY.XEM	C$\displays\custom\0wtp_Security\	Possible Consolidate with Building
WTP_UP60_SOLIDS_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP60_SOLIDS_PUMPS1-2.XEM	C$\displays\custom\0wtp_Alarms\	Consolidate
WTP_UP60_SOLIDS_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP60_THICKEN_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP60_THICKEN_PUMPS1-3.XEM	C$\displays\custom\0wtp_Alarms\	
WTP_UP60_THICKEN_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP60_THICKEN_VALVES1-3.XEM	C$\displays\custom\0wtp_Alarms\	Consolidate
WTP_UP65_COMM_POWER.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP65_DW_POLYMER_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP65_LEVEL2_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP65_POLYMER_STORAGE.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP65_POLYMER_STORAGE_MIXER.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP65_SCREW_PRESS.XEM	C$\displays\custom\0wtp_Overviews\	Add Conveyor Icon to Standard?
WTP_UP65_SCREW_PRESS_PUMPS.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP65_SEWER_COLLECTION.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP65_SEWER_COLLECTION_PUMP.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP65_SLUDGE_STORAGE.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP65_SLUDGE_STORAGE_MIXERS.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP70_BUILDING.XEM	C$\displays\custom\0wtp_Building\	Consolidate
WTP_UP70_FERCHLO_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP70_FERCHLO_PUMPS1-5.XEM	C$\displays\custom\0wtp_Alarms\	Pump 4 Swing Pump
WTP_UP70_FERCHLO_PUMPS6-7.XEM	C$\displays\custom\0wtp_Alarms\	Pump 4 Swing Pump
WTP_UP70_FERCHLO_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP70_FILTAID_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	Place Tags off Scan, place to new group
WTP_UP70_FILTAID_PUMPS1-2.XEM	C$\displays\custom\0wtp_Alarms\	Place Tags off Scan, place to new group
WTP_UP70_FILTAID_TREND.XEM	C$\displays\custom\0wtp_Trends\	Place Tags off Scan, place to new group
WTP_UP70_FLUOCACID_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP70_HYDFLUOACID_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	Rename to UP70_PHOSPHATE_OVERVIEW and maintain all links
WTP_UP70_HYDFLUOACID_PUMPS1-2.XEM	C$\displays\custom\0wtp_Alarms\	Rename to UP70_PHOSPHATE_PUMPS1-2 and maintain all links
WTP_UP70_HYDLIME_CONTROL.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP70_HYDLIME_POPUP.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP70_HYDLIME1_MXRS_PMPS.XEM	C$\displays\custom\0wtp_Alarms\	
WTP_UP70_HYDLIME1_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP70_HYDLIME1_VALVES.XEM	C$\displays\custom\0wtp_Alarms\	
WTP_UP70_HYDLIME1_WATER_SOFT.XEM	C$\displays\custom\0wtp_Alarms\	Possible Delete
WTP_UP70_HYDLIME2_MXRS_PMPS.XEM	C$\displays\custom\0wtp_Alarms\	
WTP_UP70_HYDLIME2_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP70_HYDLIME2_VALVES.XEM	C$\displays\custom\0wtp_Alarms\	
WTP_UP70_HYDLIME3_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP70_HYDLIME3_VALVES.XEM	C$\displays\custom\0wtp_Alarms\	
WTP_UP70_HYDPER_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP70_HYDPER_PUMPS1-3.XEM	C$\displays\custom\0wtp_Alarms\	
WTP_UP70_HYDPER_TREND.XEM	C$\displays\custom\0wtp_Trends\	
WTP_UP70_LEVEL2_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP70_LIMESYS_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP70_MCC.XEM	C$\displays\custom\0wtp_MCC\	Possible Consolidate with Building
WTP_UP70_SECURITY.XEM	C$\displays\custom\0wtp_Security\	Possible Consolidate with Building
WTP_UP70_SECURITY_2.XEM	C$\displays\custom\0wtp_Security\	Possible Consolidate with Building
WTP_UP70_SODBISULF_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	Rename "UP78_CALTHIO_OVERVIEW", Maintain Links
WTP_UP70_SODBISULF_PUMPS1-2.XEM	C$\displays\custom\0wtp_Alarms\	Rename "UP78_CALTHIO_PUMPS1-2", Maintain Links
WTP_UP70_SODBISULF_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP70_SODHYPO_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	Update Name to UP75, Maintain Links
WTP_UP70_SODHYPO_OVERVIEW2.XEM	C$\displays\custom\0wtp_Overviews\	Update Name to UP75, Maintain Links, May be duplicate of Overview
WTP_UP70_SODHYPO_PUMPS1-3.XEM	C$\displays\custom\0wtp_Alarms\	Update Name to UP75, Maintain Links
WTP_UP70_SODHYPO_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP70_SOLCOND_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP70_SOLCOND_PUMPS1-2.XEM	C$\displays\custom\0wtp_Alarms\	
WTP_UP70_SOLCOND_TREND.XEM	C$\displays\custom\0wtp_Trends\	
WTP_UP70_SULFACID_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	Update Name to UP79, Maintain Links
WTP_UP70_SULFACID_PUMPS1-2.XEM	C$\displays\custom\0wtp_Alarms\	Update Name to UP79, Maintain Links
WTP_UP70_SULFACID_TREND.XEM	C$\displays\custom\0wtp_Trends\	Migrate to Template
WTP_UP75_PID_1.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP75_PID_2_1.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP75_PID_2_2.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP75_PID_2_3.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP75_PID_3.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP75_SWING_SELECT.XEM	C$\displays\custom\0wtp_Popups\	
WTP_UP76_FEEDTANK_POPUP.XEM	C$\displays\custom\0wtp_Popups\	
WTP_UP76_PID_1.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP76_POPUP.XEM	C$\displays\custom\0wtp_Popups\	
WTP_UP76_RECIRC_POPUP.XEM	C$\displays\custom\0wtp_Popups\	
WTP_UP79_PID_1.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP79_PID_2.XEM	C$\displays\custom\0wtp_Control\	
WTP_UP90_BUILDING.XEM	C$\displays\custom\0wtp_Building\	Consolidate

Name	Folder Path	Comments
WTP_UP90_OVERVIEW.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP90_OVERVIEW_2.XEM	C$\displays\custom\0wtp_Overviews\	
WTP_UP90_SECURITY.XEM	C$\displays\custom\0wtp_Security\	
WTP_UP90_SECURITY_2.XEM	C$\displays\custom\0wtp_Security\	
WTP_UP90_SECURITY_3.XEM	C$\displays\custom\0wtp_Security\	
WTP_UP90_SECURITY_4.XEM	C$\displays\custom\0wtp_Security\	Possible Consolidate with Building
XOSDEBUG.XEM	C$\displays\custom\common74\	
Z_ANATABLE.XEM	C$\displays\custom\1sjc\	
Z_STATABLE.XEM	C$\displays\custom\1sjc\	

21. APPENDIX I – DRAFT SCHEDULE

The project schedule will be reviewed during the Kickoff Meeting. A draft schedule of the major phases can be seen below.



ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1		ABCWUA SWTP SCADA Upgrade	365 days	Mon 6/2/25	Fri 11/6/26		
2		Initiate and Setup	20 days	Mon 6/2/25	Fri 6/27/25		
8		Design	123 days	Mon 6/2/25	Wed 11/19/25		
9		System Configuration Plan (SCP)	58 days	Mon 6/2/25	Wed 8/20/25		
17		System Hardware Definition	65 days	Thu 8/21/25	Wed 11/19/25		
24		System Installation Plan	20 days	Thu 9/25/25	Wed 10/22/25		
29		Plant Network Improvements	51 days	Tue 6/17/25	Tue 8/26/25		
34		Custom Software Applications	37 days	Fri 6/20/25	Tue 8/12/25		
42		Realtime Database modifications & porting	43 days	Mon 6/16/25	Thu 8/14/25		
51		Display Recreation	200 days	Mon 6/2/25	Fri 3/20/26		
60		Testing & Commissioning Documentation	62 days	Fri 1/30/26	Mon 4/27/26		
77		Integrate and Deliver	200 days	Mon 6/23/25	Fri 4/10/26		
78		System Setup	153 days	Thu 8/21/25	Mon 4/6/26		
101		Development	121.5 days	Mon 6/23/25	Tue 12/9/25		
109		Customizations Integrated Onsite	51 days	Fri 1/30/26	Fri 4/10/26		
114		Testing and Commissioning	127 days	Mon 4/13/26	Tue 10/6/26		
139		System Cutover	32 days	Thu 9/10/26	Fri 10/23/26		
145		Close	10 days	Mon 10/26/26	Fri 11/6/26		
147		Warranty	261 days	Thu 10/22/26	Fri 10/22/27		
148		One Year Warranty on Services	365 edays	Thu 10/22/26	Fri 10/22/27	143	SE