Question #	RFP Section #	Comment	Response
1	1.7.1	Section 1.7.1 indicates the desired 30% M/WBE participation, but does not indicate a preferred percentage between MBE and WBE. Is any combination of M/WBE participation acceptable as long as the total of 30% participation is achieved?	The participation break-down required will be 18% minority, 12% women.
2		In 2013, an asbestos survey was completed, but not a lead paint survey. We recommend that the County includes an allowance item for lead paint testing.	A total allowance of $5000 will be included for both the lead paint survey and caulk testing.
3	7.2.1.2	In Section 7.2.1.2, the County indicates that testing should be done for PCB's in window caulking. We recommend that the County adds an allowance item for this testing.	See above
4	7.2.1.2	In Section 7.2.1.2, for the laboratory, will there be exhaust hoods; more than one?	Include two (2) exhaust hoods
5	7.2.1.2	In Section 7.2.1.2, will RO/DI or other filtered water be required for laboratory?	No
6	7.2.1.15	In Section 7.2.1.15, the RFP states to reevaluate the condition of the concrete since the condition report was prepared. Is this evaluation limited to surface concrete such as walkways, stairs and lamp posts, or does it include evaluation of concrete inside of tanks which would require inspections in confined spaces and draining of process tanks?	No, include only an exterior evaluation for adjustment of quantities and/or costs.
7	7.2.18	In Section 7.2.1.18, pilot testing included for the dewatering equipment. For established technologies such as a BFP, generally the manufacturers do not provide free pilot testing. Will OCDWEP pay the manufacturers cost for the pilot testing?	An allowance of $30,000 will be included for manufacturers' costs.
8		Several of the instrumentation items slated for replacement are currently connected to digital panel meters and/or circular chart recorders. Clarify if new instrumentation is required to be reconnected to existing digital panel meters and/or chart recorders, if digital panel meters or chart recorders are required to also be replaced, and if digital panel meters and/or chart recorders that are bypassed through this upgrade are required to be demolished	The First Stage RAS digital panel meter is operationally satisfactory, while the Second Stage RAS digital panel meter is not: it is located far from the RAS pumps and the display is not easy to read, so this digital panel meter should be relocated and replaced. None of the chart recorders are needed, demolition is required.
9		Clarify if demolition, modification or work is required towards any of the existing main instrumentation panels, meaning the plant's original control panels that contain Panalarms, chart recorders, digital displays, plant mosaics and other indicating lights and switches. The RFP does not explicitly indicate that work is required within any of these panels; however, there would be a significant effort required if the panels were required to be demolished or wiring within the panel was required to be identified and modified.	Please include any necessary demolition in the scope of work. Modification or additional work will be a function of design.
10	7.2.1.2	Control Building and Influent PS, Section 7.2.1.2: a. The existing three influent pumps have a firm pumping of 18 mgd (10 mgd and 8 mgd). Please confirm that the design intent is to install four smaller pumps (four at 6 mgd). b. Please confirm the scope of work that should be included for "complete renovation of the laboratory and two break rooms". c. Are existing pumps/VFD's connected to SCADA? d. Are new pump controls/instrumentation required to be provided?	a. It is intended that the existing capacity will be matched. The engineer should select the most efficient combination of pumps to meet Ten States Standards. b. Yes c. Yes d. Yes e. New controls (including PLC and HMI) are required; demolition of the existing controls/console is required. f. Monitor only. g. In alarm' condition to be based on 'area/zone'; each 'area/zone' to

		e. Clarify if demolition of the existing dewatering area main control console is required. f. Clarify if automated gates and sludge container level monitoring are required controlled or just monitored via SCADA. g. In the RFP, under the Control Building and Influent Pump Station section, there is a statement requiring new fire alarm and carbon monoxide systems throughout the "entire facility". Clarify that a packaged fire alarm system (Simplex or equal) is acceptable with a single "in alarm" output to the SCADA system is all that is required for fire alarm monitoring via SCADA. Also, verify that "CO" is referring to fixed gas detection of carbon monoxide only. Lastly, clarify that the "entire facility" is referring to the entire wastewater treatment plant or in the Control Building and Influent Pump Station only. h.Clarify where security access hardware is required	have a single 'in alarm' output to SCADA. 'Trouble' or 'supervisory' conditions must be separate signals to SCADA. CO refers to fixed carbon monoxide gas detection. Fire alarm system to include the entire facility. h. Gate access and front door to Control building.
11	7.2.1.3	Aerated Grit Chamber and Grit Building, Section 7.2.1.3: a. Are the existing blowers and sludge de-gritting equipment connected to a PLC, or will a new PLC or PLC connection be required? b. Verify if all new valves shall be electrically actuated. c. Clarify that monitoring/control of existing primary sludge de-gritters via SCADA will be in-kind, meaning that existing signals may be reconnected without any additional PLC hardware, wiring or programming modifications.	a. Yes, however one new PLC with two HMIs in both the Gallery 1 and 2 area of the plant is required. This PLC will also be used for primary scum pumps (see question GHD #13a) b. Yes. c. PLC/ SCADA to control vfd's by flow rate set point. New air flow meters are required (they do not exist).
12	7.2.1.5	• In Section 7.2.1.5, Oxygen Generation Technologies and Liquid Oxygen Storage, confirm that any modifications to the liquid oxygen system will be classified as an OEM improvement and, as such, will not require "fabrication level panel design" or programming by the Engineer. Confirm mechanical cooling of PLC enclosures may be limited to retrofitting existing enclosures with a passive inlet vent and a separate constant-on exhaust fan.	Replacement of the liquid oxygen delivery system is required (see RFP clarification) with connection to SCADA. Method of mechanical cooling is a consideration to be determined during engineering design. PLC needs to be enclosed (PLC_B02). Cooling for both PLC cabinets must satisfy the temperature requirements of the equipment in the cabinet as well as keeping dirt and debris from entering the cabinets.
13	7.2.1.7	• Gallery Nos. 1 through 8, Section 7.2.1.7: a. Verify if the new scum pumps should be connected to an existing PLC or if a new PLC is required. b. The RFP requires a "new HMI" for RAW/WAS pump control. Clarify if this HMI is a Windows-based machine that will display a client session of Cimplicity or a separate local operator interface that is not Windows-based and instead uses a proprietary program that requires additional programming	a. A new PLC with two HMIs (one on each side) is required in the Gallery 1 and 2 area of the plant. This PLC will also be used for grit equipment (see question GHD #11 a.). b. Local HMI (similar to response above and in #11, two HMIs (one each gallery 5 &6). Please reference WEP SCADA Standards.
14	7.2.1.12	In Section 7.2.1.12, Slide Gates, identify the specific signals required to be monitored and/or controlled through SCADA for the replaced motorized actuators.	At a minimum – open/closed and normal/fault is required.
15	7.2.13	In Section 7.2.1.13, Odor Control, clarify the extent of monitoring and/or control required of the new carbon vessel biofilter.	Monitoring design recommendations should be commensurate with the equipment specified. It is anticipated that the level of control required is minimal: on/off should suffice.
16	7.2.19	ECM 31 – Process Water Systems, Section 7.2.1.19 - Clarify if the PWP-2 control improvements are intended to be implemented via PLC logic changes or changes	Add PLC and HMI for control and monitoring.

		to a new or existing hardwired control panel.	
17	7.2.19	ECM 33b – HVAC Controls Upgrade, Section 7.2.1.19 - Clarify who (County IT, Contractor or Engineer) is responsible for establishing communications from Metro to the Baldwinsville-Seneca Knolls (BSK) Wastewater Treatment Plant for the purpose of making programming changes to the new Carrier iVu system at BSK. Itemize any work required to systems outside the premises of the BSK Wastewater Treatment Plant.	The County is responsible for establishing the communications. All work is at BSK WWTP.
18	7.2.1.19	In Section 7.2.1.19, will a third party commissioning agent be hired by the County for HVAC upgrades and ECM measures to be implemented based on the Wendel Retro-Commissioning report?	A third party will be hired by the engineer to be the commissioning agent.
19	7.2.1.20	In Section 7.2.1.20, Arc Flash Study/Short-Circuit Analysis, will an electrician from the County be made available to the engineering team to open electrical panels?	Yes. Engineer must provide their own PPE and equipment.
20	7.2.1.21	Section 7.2.1.21, SCADA Programming, Instrumentation Design and Connectivity: a. Clarify if "logic diagrams" refer to print-outs of PLC logic or prints of the proposed PLC wiring diagrams. b. Clarify the extent of responsibility to which the Engineer is responsible in the physical communications between Metro and BSK and if it may be sufficient for the Engineer to expect the County to be responsible for making the communication link between the two facilities functional for the purpose for which the Engineer needs to use the connection.	a. Both. b. Engineer is responsible for physical connections to the WEP network at BSK. Engineer is responsible for all programming between Metro and BSK.
21	7.2.1.21	SCADA Programming, Instrumentation Design and Connectivity, Section 7.2.1.21,Fabrication Level PLC Panel Designs: a. For existing PLC-based control panels, please clarify how many existing PLC based controls systems are included in the scope of the project. b. Clarify the extent of "non-PLC-based control panels" the Engineer is responsible for providing a fabrication-level design, including: HVAC enclosures, cabinets containing network equipment but no control equipment, MCC compartments, VFD enclosures, instrument mounting enclosures and/or modifications to existing non-PLC based enclosures.	a. There are 9 PLCs at BSK. b. All new or modified panels require fabrication level design.
22	7.2.1.22	SCADA Security, Section 7.2.1.22: a. Indicate if the County IT group will be made available to provide technical information on the current configuration of the connections between BSK and Oak Orchard and Metro. IP addresses, port statuses, software versions and managed switch configurations all play a role in a cyber security assessment and clarity on the assistance the consultant will receive on the configuration of the network outside the BSK plant will assist in refining the security assessment's fee. b. Clarify if the evaluation of standards is in regards to the County's documented standards on security and compliance of these network segments with the County's standard is intended, or if it is intended to	a. See WEP WAN attachment. County staff will be managing/programming all network equipment. A list of existing IT network equipment will be provided. b. Please compare County standards to cyber-security standards and make recommendations for modification. c. Yes, this needs to be developed. d. See WAN drawing

		compare the County's standards against current cybersecurity standards and identify necessary modifications to the County's security standard. c. Clarify if network architecture diagrams are required to be developed by the Engineer for use in the evaluation or mitigation reports. d. Identify the demarcation point within the Oak Orchard and Metro sites that the evaluation needs to include, e.g. at which Ethernet switch or appliance does the assessment end. Without this information, it could be argued that the assessment needs to include the SCADA networks in Oak Orchard and Metro.	
23		There is reference to an existing CCTV camera system, but no equipment or head-end components were located during the walk-through. Please provide data on equipment for reference and interface capability. (Q NAP Vio Store was referenced)	Camera system at BSK is entirely a new installation. The QNAP VioStor is WEP standard for all facilities.
24		There is reference to an existing Access control system. but no equipment or head-end components were located during the walk-through. Please provide data on equipment for reference and interface capability.	Camera system at BSK is entirely a new installation. Galaxy Access is WEP standard for all facilities.
25		Documents call for a new fire alarm system, have existing ambient decibel ratings been provided to support code requirements for 15 db. over ambient noise levels? Are exterior areas expected to be provided with evacuation audio/visuals to support personnel that may be outside working on equipment?	Existing decibel values are unknown. Yes, system to be designed to meet all appropriate code requirements.
26	7.2.1.1	Seneca River Siphon: Is modification to the gate possible without shutting down flow within the distribution structure or will bypass pumping of the box be necessary?	Please assume bypass pumping will be required.
27	7.2.1.2	Control Building and Influent Pump Station: a. Has a hydraulic evaluation of the upstream sewer system been completed? Should an evaluation of the upstream system be included in the project, or should the engineer plan to not exceed the current headloss design of the existing screens? b. What upstream facilities (users) are impacted by a sewer backup/increased headloss at the screens? c. Can the screening channels be isolated in order to facilitate screen replacement one at a time, or will bypass pumping be needed?	**A)** The last hydraulic evaluation of the upstream sewer system was completed prior to the BSK WWTP being designed, and the original Contract Drawings were printed in 1976. Such an evaluation is not needed as a part of this project, as the engineer should plan on not backing up the Influent Wet Well. **B)** The nearest upstream users that would be impacted by a sewer backup are our neighbors in Abbott's Landing, who are in very close proximity to the plant. A backup of the Influent Wet Well, fed by 48" and 42" sewers, would result in an Influent Bypass, likely to be prior to any significant sewer backup. **C)** The Screen Rake Channels can be isolated, and additionally there is a manual rack Bypass Channel.
28	7.2.13	Aerated Grit Chamber and Grit Building: Should the engineer assume replacement in kind for the blowers, or does a technology evaluation for blower types need to be considered for selection by the County.	Blowers are anticipated to be replaced in-kind, specific blower type and capacity should be reviewed and recommended by the engineer.
29	7.4	**Section 7.4 – Review Background Information:** We assume that the PDF files available for the WWTP need to be digitized to .dwg format to be used by the consultant as background files for new drawings. No .dwg files will be provided to the consultant. Is this correct?	Correct, no .dwg files will be provided.
30	7.17.3	**Section 7.17.3 – Hours for Sub Consultants:** What details are required beyond	None

		hourly rates, hours, rate increases on an annual basis for the term of the contract? Does multiplier or overhead rate need to be provided? How should the sub consultant hours be displayed in the proposal, we assume a separate cost table will be provided for each sub consultant.	The hourly rate as a whole should reflect appropriate multipliers. A separate cost table will be provided
31	7.11.13	**Section 7.11.13 – Contingent Const. Phase Services**: For the 16 weeks, how should this be depicted in the proposal? There is not a line item in the cost summary table, Attachment B.	The cost summary table has been modified.
32	7.2.1.2	**Section 7.2.1.2 – Facility-wide Architectural Improvements (Page 19 of 43):** For the new elevator proposed to replace the dumbwaiter. What are the details of the new elevator as far as size, load rating, proposed use (equipment use (freight), personnel use or both)?	It is anticipated that the elevator will be used for both equipment and personnel and should be designed by the engineer.
33	7.2.1.19	**Section 7.2.1.19 Energy Conservation Measures (ECM):** ECM #34 – Retro-commissioning; Implement retro-commissioning on targeted HVAC systems identified in the Wendel report. This work will be performed after installation of all new HVAC equipment as part of this project. Comment: This references the Wendel Flex Tech Study only. There are many more systems that are being replaced as a part of the project. Question: Should we be retro-commissioning **all** replaced systems beyond the Wendel study. There are many including a compressed air system	Retro-commissioning will be for all HVAC systems, not compressed air.
34	7.11.11	**Section 7.11.11 Start Up Testing:** Bullet 2 states: The Engineer shall perform an integrated system test for each installed system. The system test shall consist of operating the system, including all associated instrumentation and controls, through its entire operating range. The Engineer's work for each system shall include: Question: Is it assumed that 'integrated system testing for each installed system' includes HVAC systems as well and should we assume that 'integrated system testing' is the same as Commissioning (Cx) performed per 'The Building Commissioning Association' (BCA) best Practices for "Existing Building Commissioning"? The HVAC systems are considered part of the building systems although many support the process equipment. If so, then this will add cost and should be defined with a clear SOW as how to perform the Cx.	Yes, Details to be coordinated by the engineer with the Commissioning agent.
35		**Attachment B - Cost Proposal Summary Form, Task No. 7.4-7.8:** Task Description indicates pricing for Task 7.5.3 - Arc Flash Analysis (New Installation) and Task 7.5.5 - Unanticipated Engineering Services should be included; however, there are separate Tasks line items for these items? Do you want the pricing in twice?	The cost proposal summary form has been modified.
36		Due to the magnitude of work scope under this RFP, would the County consider providing an extension to the Proposal Submission Deadline of 3/16/17?	The submission deadline has been revised to 3/30/17.
WEP Clarification	7.2.1.2, Electrical Bullet #2		Electrical valve operators are required for **all** new influent pump isolation valves.

WEP Clarification	7.2.1.5, Mechanical Bullet 4		**Replace or rehabilitate** liquid oxygen tank….
WEP Clarification	7.2.1.6, Structural bullet #8		Rehabilitate effluent end of **stage #2,** secondary **clarifier #1**
WEP Clarification	7.2.1.7, Mechanical bullet #1		There is only one primary scum pump.
WEP Clarification	7.2.1.7 Structural		Sandblast and recoat splitter boxes in Gallery No. 2 is referenced twice, please add replace or rehabilitate pipes between splitter boxes and tanks.
WEP Clarification	7.2.1.7 Structural bullet #5		Reference is for column in bullet #6
WEP Clarification	7.2.1.7 Structural bullet #6		Delete, this was completed
WEP Clarification	7.2.1.7 Structural bullets #11-#16		Bullets 11-16 refer to all galleries (1-8)
WEP Clarification	7.2.1.7 Electrical bullet #7		Gallery reference is incorrect, it is Gallery #4
WEP Clarification	7.2.1.12 Mechanical bullet #3		Delete gate 29.