AMENDMENT NO. 2 TO THE

AGREEMENT FOR PROFESSIONAL CONSULTING SERVICES

THIS AMENDMENT NO. 2 TO THE ORIGINAL AGREEMENT FOR PROFESSIONAL CONSULTING SERVICES between Washoe County, a political subdivision of the State of Nevada ("County") and MWH Constructors, Inc. PO65x3114 revises this Agreement as follows:

The purpose of amendment # 2 is to increase fee amount by \$681,077.26 to cover anticipated cost for CMAR to provide pre-construction services as required in said agreement. Additional details are provided in attached.

ALL OTHER TERMS AND CONDITIONS OF THE ORIGINAL AGREEMENT TO REMAINUNCHANGED.

IN WITNESS WHEREOF, the parties hereto or a representative of either have set their hands and subscribed their signatures as of the date and year indicated.

By:

Bob Lucey Chair, Washoe County Commission

Date:

Consultant:

Date:





STMWRF 2020 Expansion Preconstruction Change Order #2

3A 90% / 100% Review (perform this work in June / July) & Procurement

- 3.02 Development of RFQ for Earthwork bid package including bid solicitation, quote comparison.
- 3.13 Develop alternate for earthwork spoils disposal site at Daybreak property.

<u>3B 90% Review (perform this work in July / August) & Procurement</u>

- 2.20 NEW Thorough review of engineering drawings and specifications. Provide written comments (in Bluebeam) regarding constructability issues, unclear or ambiguous items in both the drawings and the specifications.
 - Send out specifications for screw press, polymer blending unit/mixing pump equipment for comment by vendors
 - Incorporate "or equal" in bid package and pre-qualify potential proposers
 - Verification of AIS availability / compliance for pipe, valves, etc.
- 2.21 NEW Attend/actively participate in review workshops to discuss review comments, issues/concerns, Value Engineering ideas, etc. (Assume 2 full days onsite for these workshops).
 - 2.21 NEW Evaluate and present possible VE ideas with team; provide ROM on selected VE ideas
 - 2.21 NEW Review alternates to FE Meter Vault
 - Consider an insertion type meter
 - Assure viability of current design.
 - Need to evaluate access & installation for new equipment at Biosolids facility
- 4.20 NEW Provide Cost Estimate
 - Estimate Comparison CMAR to ICE
- 3.20 NEW Material and Subcontract Solicitations including RFQ development, advertisements, bid solicitation, quote comparisons and bid clarifications. Review lead times with vendors for key equipment / material:
 - Structural Steel and Metals (Catwalks for BNR3&4), ladders, hatch doors, stairs & handrail
 - Pipe Sleeves
 - Formwork for BNR3&4 Walls, Formwork for FE Meter Vault
 - Plug Valves, DIP Pipe & Fittings, Pipe Supports for RAS/WAS PS
 - Flowmeters and FIT's for RAS/WAS PS
 - Electrical / I&C Subcontractor





- Shoring for FE Meter Vault
- Demo Subcontractor for RCP demo of Filter Effluent Pipe
- Flowmeter for FE Meter Vault
- Steel Pipe and Romac (?) Fittings for FE Meter Vault
- DIP(?) and fittings for CW Pipe being replaced inside COF facility
- Butterfly Valve for COF facility CW Pipe replacement
- Huffaker Return Flow Valve Instruments / I&C
- Structural Steel for BIO Screw Press #2 Support Platform
- Polymer Blending Unit and Mixing Pump #4 for BIO
- Screw Press #2 and Exhaust Air Piping for BIO. Verify if needed to be taken apart/reassembled to get into building. Verify with Vendor if this creates any issues/problems, i.e., warranty
- DIP Pipe and Fittings for DS Piping to Screw Press #2 at BIO
- 4.01 Provide Construction Schedule
 - 4.21 NEW Scheduling strategy meeting
- 3.21 NEW Provide Commissioning & Startup Plan

GMP 3B 100% September

- 3.20 NEW Finalize Bid subcontract / supplier packages
- 4.20 NEW Perform side by side cost comparison with ICE
- 4.22 NEW Negotiate GMP and General Conditions

GMP 4 60% Review (July / August)

- 2.30 NEW Thorough review of engineering drawings and specifications. Provide written comments (in Bluebeam) regarding constructability issues, unclear or ambiguous items in both the drawings and the specifications. Collecting comments 7/6 -7/20.
- 2.30 NEW Review of potholing results and updates for 90% design
- 2.31 NEW Attend/actively participate in review workshops to discuss review comments, issues/concerns, Value Engineering ideas, benefits/concerns regarding elimination of grit/3rd digester/filters, etc. (Assume 2 full days onsite for these workshops). Target workshop dates July 28 and Aug 10/11 (partial days each time)
 - One day for each workshop. There will inevitably be more work to do following the one day of review together.
 - 2.32 NEW Evaluate and present possible VE ideas with team during VE workshop
 - o 2.32 NEW VE ROM Pricing for ideas identified during workshops
 - 2.32 NEW Required workarounds for deletion of certain facilities
 - o 2.32 NEW Follow up on VE alternatives for rehab of Control Building





- 2.33 NEW Perform "digital overlay" to identify significant changes from the 30%. Develop high level costs of these items. Based on level of detail for 30% do not perform a typical 60% costs review.
 - Drawing overlays will be provided from 3rd party. Additional MWH design validation effort to understand and explain scope changes.
 - Perform updated take-offs for any new scope or significant changes to scope found through drawing overlays.
- 4.30 NEW Cost model update based on changed scope from 30%
 - Adjust estimate with new quantities from overlay no new estimate to be developed. Just validation and adjustments to quantities and pricing of significant changes
- 4.31 NEW Provide Construction Schedule
 - Schedule Strategy Meeting After County makes decisions on full scope of work regarding addition/deletion of structures and scope e.g., grit, digester, and filters
 - Reach out to vendors for equipment lead times to understand lead times and provide a higher quality / more accurate schedule.
 - Update preliminary schedule to reflect County decisions regarding scope
- 3.30 NEW Meeting with blower equipment manufacturer(s) to negotiate terms and conditions.
- 3.31 NEW Bid Packaging Plan and Meeting

GMP 4 90% Review (Nov - Feb)

- 2.40 NEW Thorough review of engineering drawings and specifications, especially technical specifications. Provide written comments (in Bluebeam) regarding constructability issues, unclear or ambiguous items in both the drawings and the specifications.
- 2.40 NEW SJE and Tesco review and comment of EI&C specs
- 2.40 NEW Verify potholing results are captured in design
- 2.41 NEW Attend/actively participate in review workshops to discuss review comments, issues/concerns, Value Engineering ideas, etc. (Assume 4 full days onsite for these workshops).
 - 2.42 NEW ROM Estimates for VE alternatives
 - 4 workshop sessions. Design model review session
- 4.40 NEW Provide Cost Estimate updating quantities, unit process, address assumptions from 30%, update vendor quotes, etc.
 - Update 30% cost estimate and update take-offs based on 90% docs
 - Send out request for budgetary quotes on subcontract, material/equipment supply scopes
 - Estimate comparison back to 30% cost model and/or updated 60% cost model
- 4.41 NEW Provide Construction Schedule





- 3.40 NEW Start creating bid packages based on 90% drawings with intent to bid immediately after receiving the 100%
- 4.42 NEW Develop General Conditions estimate in advance of GMP04
- 4.40 NEW Cost Estimate for targeted self-performance scopes in advance of GMP04
 ICE estimate comparison
- 3.42 NEW Dewatering Plan Development

Early Equipment Procurement Package (based on 90% drawings - target Dec for BCC award)

- 2.50 NEW Coordinate with Owner, Engineer, and Owner's Representatives to identify if there's a need for early equipment procurement package to expedite the overall work of the Project.
- 2.50 NEW Assist in development of complete equipment list (for major equipment) for balance of the expansion project.
- 4.50 NEW Critical path workshop to review equipment list. Discuss design needs, equipment needs, lead times, schedule, durations, sequencing, suppliers, vendors, subcontractors, environmental concerns, risks, warranty, onsite storage, etc. Target mid-October
- 4.51 NEW Develop a cost estimate for these early work packages shall be developed by the Contractor prior to bidding any of the packages.
 - 3.50 NEW RFQ Development and Bid Solicitation / Comparison for Equipment Supply
 - 3.50 NEW Negotiation of contract terms and conditions
- 4.52 NEW GMP Development and Negotiations

GMP 4 100% (Mar - May) – Submit May

- 3.60 NEW Updates to RFQ's needed based on review and comparison of 100% set to 90% set
- 3.60 NEW Bid advertisement, solicitation, quote review, comparison and selection
- 4.60 NEW Development of GMP Proposal based on bids obtained from all necessary subcontractors after reviewing and coordinating the bid results with the Owner.
- 3.61 NEW Permitting
- 4.60 NEW Finalize GMP-4

<u>Collaboration Meetings (July – June) – Bi-weekly</u>

• 2.01 – Attend/actively participate collaboration meetings (max 3 CMAR in attendance, more if discussed with Owner in advance)





Miscellaneous (July – May / June)

- 2.34 NEW SRF / AIS meetings
- 1.01 Resource management
- 1.03 Invoicing and Reporting
- 3.41 NEW DBE / Small Business Outreach and Good Faith Effort??
- 1.04 NEW Partnering Meetings with JV and County Executive Management
- 5.01 Risk Register Update Meetings
- 4.40 NEW Prevailing Wage Rate Updates and Reviews
- 4.40 NEW, 4.60 NEW EquipmentWatch Rate Updates

PRECONSTRUCTION CONTRACT CHANGE ORDER PROPOSAL #002, rev01 August 03, 2021

(See ATTACHMENT A.1 for detailed break down per task)

Description	Proje	ct Dire 165.0			ct Manag 165.00	ger		l Estii 140.(mator		issionin Jp Mana \$105.0	-	S	chedul \$85.00			stima 128.0			al Desig	gn Assist		esign 5125.0	Assist		Clerica \$40.00		тот	al houf	RS & FEES
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		Hours			Hours			Hours	S		Hours			Hours			Hours	s		Hours			Hours			Hours				
1.0 STAFF AND ADMINISTRATIVE MANAGEMENT	79	\$	13,035	116	\$ 19	9,140	44	\$	6,160	0	\$	-	0	\$	-	0	\$	-	0	\$	-	0	\$	-	272	\$	10,880	511	\$	943.00
2.0 DESIGN COORDINATION	110	\$	18,150	172	\$ 28	8,380	172	Ś	24,080	40	Ś	4,200	0	Ś	-	368	Ś	47,104	20	Ś	2,500	20	Ś	2,500	0	\$	-	902	\$	1,694.00
3.0 CONSTRUCTION MANAGEMENT COORDINATION	82	Ś	13,530	249		1,085	168	Ś	23,520		Ś	4,200	0	Ś	-	280	Ś	35,840	0	Ś	-	0	Ś	-	44	Ś	1,760	863		1,644.00
4.0 COST AND SCHEDULE	84	Ś	13,860	367),555	510	Ś	71,400		Ś	.)_00	110	Ś	9,350	1392	Ś	178,176	60	Ś	7,500	60	Ś	7,500	24	Ś	960	2,607		5,130.00
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5.0 RISK MANAGEMENT	12	Ş	1,980	20	<i>\$</i>	5,300	0	Ş	-	0	Ş	-	0	Ş	-	0	Ş	-	0	Ş	-	0	Ş	-	0	Ş	-	32	Ş	52.00
	267	ć		024	ć 15	2 460	004	ć	125 100	00	ć	0.400	110	ć	0.250	2.040	ć	264 420	00	ć	10.000	00	ć	10.000	240	ć	12 000	4.045	ć	CE0 C45 00
TOTAL HOURS:	367	Ş	60,555	924	\$ 152	2,460	894	Ş	125,160	80	Ş	8,400	110	Ş	<i>9,</i> 350	2,040	Ş	261,120	80	Ş	10,000	80	Ş	10,000	340	Ş	13,600	4,915	Ş	650,645.00
												Trav					•	% of Housir Manager (-	oi-week	ly Project	t Manage	r hom	Computer	and Cel avel - 24	l Phone PM Tr + \$10k	ips @ \$80	ionths) 00/trip) oenses)	\$ \$ \$ \$	36,570.00 9,600.00 13,000.00 -
																											SUBT	OTAL:	\$	59,170.00
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ORIGINAL CONTRACT AMOUNT:	\$ 631,280.00
CHANGE ORDER #001 AMOUNT:	\$ 60,040.00
PREVIOUS CONTRACT AMOUNT:	\$ 691,320.00
CONTRACT COMPLETED THROUGH JUNE 2021:	\$ 662,582.26
REMAINING CONTRACT BALANCE AS OF JULY 2021:	\$ 28,737.74
DJECTED COST TO COMPLETION LESS REMAINING AS OF JULY 2021 CONTRACT AMOUNT:	\$ 681,077.26
PROPOSED CHANGE ORDER #002 AMOUNT:	\$ 681,077.26
PROPOSED CONTRACT AT COMPLETION AMOUNT:	\$ 1,372,397.26

	Task	Project Director	Project Manager	Lead Estimator	C&SU Manager	Scheduler	Estimator(s)	Estimator(s)	Electrical Assist	I&C Assist	Clerical	Total
Description	Number	Dave Backman Budget Actual	Corey Maxfield Budget Actual	Brett Henderson Budget Actual	Kiersten Lee Budget Actual	Mike Gaskamp Budget Actual	Brad Sanders Budget Actual	(TBD Estimators) Budget Actual	SJE Budget Actual	Tesco Controls Budget Actual	(TBD Clerk) Budget Actual	Budget Actual
1.0 STAFF AND ADMINISTRATIVE MANAGEMENT							1			1		
<u>(Phase 1 - STMWRF 2020 Plant Expansion; 30% through GMP04 Deliverables)</u> 1.1 - Coordinate and schedule staff and resources	1.01	71.0		0.0		0.0	0.0	0.0	0.0	0.0	0.0	71.0
1.1 - Coordinate and schedule staff and resources 1.2 -Track progress of scheduled work and prepare monthly reports	1.01	71.0	84.0	0.0 0.0	0.0 0.0	0.0	0.0 0.0	0.0 0.0	0.0	0.0	96.0	180.0
1.3 - Prepare detailed monthly invoicing to the Owner	1.03	0.0	24.0	44.0	0.0	0.0	0.0	0.0	0.0	0.0	176.0	244.0
1.4 - Partnering Meetings with JV and County Executive Management	1.04	8.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0 0
	Subtotal (Hours):	79.0 0.	0 116.0 0.0	0 44.0 0.0	0 0.0 0.	0 0.0 0.0	0.0 0.0	0.0 0	0.0 0.0 0.0	0 0.0 0	.0 272.0 0.	0 511.0 0
	Subtotal (Cost):			0 \$6,160 \$0		0 \$0 \$0) \$0 \$0 \$0	0 \$0	\$0 \$0 \$0		\$0 \$10,880 \$	0 \$49,215
2.0 DESIGN COORDINATION												
(Phase 1 - STMWRF 2020 Plant Expansion; 30% through GMP03A Deliverables)												
2.1 - Attend Project Collaboration meeting (1-each)	2.01	48.0	46.0	46.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	140.0 0
2.1.1 - Attend Risk Register meeting (1-each)	2.01.1	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0
 2.2 - Review existing as-built drawings and existing site conditions 2.3 - Participate in project coordination meetings on a monthly basis (12-each) 	2.02 2.03	0.0	0.0	0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0	0.0	0.0	0.0
2.4 - Provide constructability/value engineering at 30 percent design level (INCLUDED IN TASK 4.3)	2.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5 - Review 60 and 90 percent drawings and provide written comments regarding constructability issues (INCLUDED IN TASK 4.3)	2.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.6 - Attend Value Engineering and Constructability Review workshop (1-each)	2.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
 2.7 - Attended Design Workshops (2-each) 2.8 - Issue written constructability at the completion of the 90 percent reviews (INCLUDED IN TASK 4.3) 	2.07 2.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.9 - Answer questions and coordinate ideas for betterment of the project	2.08	0.0	0.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0
2.10 - Coordinate early packages including cost estimate (for each package)	2.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.11 - Develop RFI's at each of the stipulated phases of design (INCLUDED IN TASK 4.3)	2.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(Dhase 1 STMM/RE 2020 Diant Example at CM2020 00% to 100% Dolling with to t												
<u>(Phase 1 - STMWRF 2020 Plant Expansion; GMP03B 90% to 100% Deliverables)</u> 2.20 - Review GMP03B 90% & 100% drawings and specs; provide written comments in Bluebeam	2.20	0.0	4.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0
2.20 - Review GMP03B 90% & 100% drawings and specs; provide written comments in Bluebeam 2.21 - Participate in GMP03B design review workshops and present & evaluate VE alternatives	2.20	4.0	8.0	0.0	0.0	0.0	12.0	8.0	0.0	0.0	0.0	32.0
(Phase 1 - STMWRF 2020 Plant Expansion; GMP04 60% Deliverables)												
2.30 - Review GMP04 60% drawings and specs; provide written comments in Bluebeam	2.30	16.0	15.0	12.0	0.0	0.0	4.0	8.0	0.0	0.0	0.0	55.0
2.31 - Participate in GMP04 60% design review workshops	2.31	12.0	8.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	28.0
2.32 - Present & evaluate VE alternatives for GMP04 60% design	2.32	0.0	15.0	20.0	0.0	0.0	28.0	40.0	0.0	0.0	0.0	103.0 0
2.33 - Perform overlay comparison of GMP04 60% design to previous design and evaluate magnitude of scope changes	2.33	0.0	0.0	26.0	0.0	0.0	88.0	72.0	0.0	0.0	0.0	186.0
2.34 - Participate in SRF and AIS meetings and assess impacts to project	2.34	8.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0
(Phase 1 - STMWRF 2020 Plant Expansion; GMP04 90% Deliverables)												
2.40 - Review GMP04 90% drawings and specs; provide written comments in Bluebeam	2.40	8.0	18.0	24.0	0.0	0.0	8.0	24.0	20.0	20.0	0.0	122.0 0
2.41 - Participate in GMP04 90% design review workshops	2.41	4.0	4.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	12.0 0
2.42 - Present & evaluate VE alternatives for GMP04 90% design	2.42	0.0	31.0	24.0	0.0	0.0	24.0	40.0	0.0	0.0	0.0	119.0 0
(Phase 1 - STMWRF 2020 Plant Expansion; Early Equipment Package 90% Deliverables)												
2.50 - Develop Early Equipment Procurement Package(s)	2.50	0.0	5.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0 0
(Phase 1 - STMWRF 2020 Plant Expansion; GMP04 100% Deliverables)												
2.60 - XXXX	2.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Subtotal (Hours):	110.0 0.	0 172.0 0.0	0 172.0 0.0	0 40.0 0.	0 0.0 0.0	0 176.0 0.0) 192.0 (0.0 20.0 0.0	0 20.0 0	.0 0.0 0.	0 902.0 0
	Subtotal (Cost):	\$18,150 \$	0 \$28,380 \$0	0 \$24,080 \$0	0 \$4,200 \$	0 \$0 \$0) \$22,528 \$0	\$24,576	\$0 \$2,500 \$0	0 \$2,500	\$0 \$0 \$	0 \$126,914
3.0 CONSTRUCTION MANAGEMENT COORDINATION												
(Phase 1 - STMWRF 2020 Plant Expansion; 30% through GMP03A Deliverables)												
3.1 - Identify and coordinate temporary site utilities, access, office facilities, storage, and laydown areas	3.01	0.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.0 0
3.2 - Prepare and develop the required construction work packages, procurement process, sub plan, procurement and execution procedures	3.02	0.0	0.0	24.0	0.0	0.0	0.0	48.0	0.0	0.0	0.0	72.0
3.3 - Conduct advertisements, pre-qualification procedures, and contracts with all subcontractors	3.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.4 - Develop potential bidder lists for all trades	3.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.5 - Distribution of documents to potential bidders, pre-bid conferences and bid openings	3.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.6 - Coordinate the date and time of the bid opening	3.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
 3.7 - Coordination of input and questions from subcontractors 3.8 - Review all subcontractor proposals / make recommendations to Owner 	3.07 3.08	0.0	0.0	0.0	0.0	0.0	0.0 0.0	8.0 0.0	0.0	0.0	0.0	8.U 8.0
3.9 - Coordinate proposed schedule of values	3.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.10 - Coordinate the level of detail for the schedule (INCLUDED IN TASK 4.1)	3.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.11 - Participate in delivery coordination and construction details related to supply of major equipment	3.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.12 - Assessment and advisement regarding schedule impacts related to long lead equipment procurement (INCLUDED IN TASK 4.1) 3.13 - Assistance with developing bid alternates	3.12 3.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.13 - Assistance with developing bid alternates 3.14 Support the owner with construction details that may be needed (in support of permitting)	3.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.15 - Coordinate with Owner to develop list of construction-specific permits	3.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(Phase 1 STMM/RE 2020 Plant Expansion: GMP02P 00% to 100% Deliverables)												
<u>(Phase 1 - STMWRF 2020 Plant Expansion; GMP03B 90% to 100% Deliverables)</u> 3.20 - Prepare and develop GMP03B construction work packages, procurement process, sub plan, procurement and execution procedures	3.20	4.0	16.0	16.0	0.0	0.0	32.0	32.0	0.0	0.0	4.0	104.0
3.21 - Prepare and develop GMP03B Startup & Commissioning Plan	3.20	4.0	10.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	54.0
(Phase 1 - STMWRF 2020 Plant Expansion; GMP04 60% Deliverables) 2.20. Vander meetings to pagetists tarms and conditions for CMP02B / Early Equipment Packages	2.22	10.0	22.0									41.0
3.30 - Vendor meetings to negotiate terms and conditions for GMP03B / Early Equipment Packages 3.31 - Develop GMP04 Bid Packaging Plan including meetings with Washoe County executive management	3.30 3.31	18.0	23.0 28.0	0.0 16.0	0.0	0.0	0.0 0.0	0.0 0.0	0.0	0.0	0.0	41.0 56.0
	5.51						0.0					50.0
(Phase 1 - STMWRF 2020 Plant Expansion; GMP04 90% Deliverables)												
3.40 - Prepare and develop GMP04 construction work packages, procurement process, sub plan, procurement and execution procedures	3.40	12.0	57.0	64.0	0.0	0.0	0.0	80.0	0.0	0.0	12.0	225.0 (
3.41 - Outreach and Good Faith Effort to garner interest for DBE/WBE/MBE and Small Businesses	3.41	0.0	4.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	4.0	12.0 0
(Phase 1 - STMWRF 2020 Plant Expansion; Early Equipment Package 90% Deliverables)												
3.50 - Prepare and develop GMP04 Early Procurement Equipment packages, procurement process, sub plan, procurement and execution procedures	3.50	4.0	6.0	8.0	0.0	0.0	0.0	20.0	0.0	0.0	4.0	42.0
<u>(Phase 1 - STMWRF 2020 Plant Expansion; GMP04 100% Deliverables)</u> 3.60 - Updates for 100% GMP04 construction work packages, procurement process, sub plan, procurement and execution procedures	3.60	8.0	25.0	40.0	0.0	0.0	0.0	56.0	0.0	0.0	12.0	141.0
3.61 - Coordinate with Owner to develop list of needs, and submit for construction-specific permits	3.61	16.0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	66.0
	Subtotal (Hours): Subtotal (Cost):	82.0 0.	0 249.0 0.0		0 40.0 0.	0 0.0 0.0	36.0 0.0		0.0 0.0 0.0	0 0.0 0	.0 44.0 0. \$0 \$1,760 \$	0 863.0 0
	Subtotal (Hours):	82.0 0.	0 249.0 0.0	0.0 0 168.0 0.0 0 \$23,520 \$0	0 40.0 0.		0 36.0 0.0		0.0			00.0

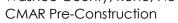
ATTACHMENT A.1.1



	-	Project Direct	or Project Manager	Lead Est	mator	C&SU Manager	Scheduler	Estimator(s)	Estimator(s)	Electrical Assist	I&C Assist	Clerical	Total	
Description	Task	Dave Backma	, -,,	Brett Hen	derson	Kiersten Lee	Mike Gaskamp	Brad Sanders	(TBD Estimators)	SJE	Tesco Controls	(TBD Clerk)		
	INUMBE	r Budget Ad	tual Budget Actua	al Budget	Actual	Budget Actua	al Budget Actual	Budget Actual	Budget Actual	l Budget Actual	Budget Actual	Budget Actual	Budget	Actual
COST AND SCHEDULE														
ase 1 - STMWRF 2020 Plant Expansion; 30% through GMP03A Deliverables)														
Develop a master critical path construction schedule, incorporate Owner comments, update periodically	4.01	0.0	0.0	0.0		0.0	24.0	0.0	0.0	0.0	0.0	0.0	24.0	
ttend an initial cost estimating workshop (1-each) (NCLUDED ABOVE)	4.02	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Develop construction cost estimates (30% Cost Model)	4.03	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Provide assistance with developing bid alternates	4.04	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
ttend a cost evaluation workshop at 60% and 90% (2-each)	4.05	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
vevelop cost estimates for any value engineering proposals	4.06	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Development of GMP Proposal(s)	4.07	4.0	12.0	26.0		0.0	0.0	0.0	32.0	0.0	0.0	0.0	74.0	
2 1 - STMWRF 2020 Plant Expansion; GMP03B 90% to 100% Deliverables)														
Develop cost estimate and participate in estimate comparison reviews with Independent Cost Estimator (ICE) for GMP03B	4.20	4.0	8.0	16.0		0.0	0.0	108.0	96.0	0.0	0.0	0.0	232.0	
Develop GMP03B critical path construction schedule, and participate in schedule strategy meeting with Owner / Owner's Representative	4.21	2.0	4.0	4.0		0.0	16.0	0.0	0.0	0.0	0.0	0.0	26.0	
Develop and Negotiate GMP03B including General Conditions and Direct Cost of Work	4.22	4.0	12.0	12.0		0.0	0.0	0.0	16.0	0.0	0.0	0.0	44.0	
2 1 - STMWRF 2020 Plant Expansion; GMP04 60% Deliverables)														
Update construction cost estimate (30% Cost Model) based on scope and quantity changes noted by 60% drawing overlay comparison	4.30	0.0	18.0	20.0		0.0	0.0	36.0	48.0	0.0	0.0	0.0	122.0	
Develop GMP04 60% critical path construction schedule, and participate in schedule strategy meeting with Owner / Owner's Representative	4.30	2.0	6.0	10.0		0.0	18.0	0.0	0.0	0.0	0.0	0.0	36.0	
Develop Givero4 00% childal path construction schedule, and participate in schedule strategy meeting with Owner's Representative	4.51	2.0	0.0	10.0		0.0	10.0	0.0	0.0	0.0	0.0	0.0	50.0	
e 1 - STMWRF 2020 Plant Expansion; GMP04 90% Deliverables)														
Develop construction cost estimates (90% Cost Model) including take-off of 90% design documents, budgetary vendor pricing, and estimate comparison to previous cost model(s)	4.40	6.0	18.0	90.0		0.0	0.0	144.0	520.0	60.0	60.0	0.0	898.0	
Develop GMP04 90% critical path construction schedule, and participate in schedule strategy meeting with Owner / Owner's Representative	4.41	2.0	6.0	24.0		0.0	20.0	0.0	0.0	0.0	0.0	0.0	52.0	
Develop and Negotiate GMP04 General Conditions	4.42	20.0	74.0	48.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	142.0	
2 1 - STMWRF 2020 Plant Expansion; Early Equipment Package 90% Deliverables)														
Participate in critical path construction schedule workshop for Early Equipment Procurement Package(s) determination	4.50	2.0	4.0	4.0		0.0	8.0	0.0	0.0	0.0	0.0	0.0	18.0	
Develop cost estimate and participate in estimate comparison reviews with Independent Cost Estimator (ICE) for Early Equipment Package(s)	4.51	6.0	10.0	16.0		0.0	0.0	16.0	32.0	0.0	0.0	0.0	80.0	
- Develop and Negotiate Early Equipment Package GMP(s) including General Conditions and Direct Cost of Work	4.52	0.0	24.0	24.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.0	
e 1 - STMWRF 2020 Plant Expansion; GMP04 100% Deliverables)														
· Develop and Negotiate GMP04 including updated General Conditions and Direct Cost of Work based on 100% design documents	4.60	32.0	171.0	216.0		0.0	24.0	192.0	152.0	0.0	0.0	24.0	811.0	
Subtota	l (Hours):	84.0	0.0 367.0	0.0 510.0	0.0	0.0	0.0 110.0 0.	0 496.0 0	.0 896.0	0.0 60.0 0.1	0 60.0 0	0 24.0 0.0	2,607.0	
	tal (Cost):	\$13,860	\$0 \$60,555	\$0 \$71,400	\$0	\$0) \$7,500 \$	\$0 \$960 \$1) \$349,301	
e 1 - STMWRF 2020 Plant Expansion; 30% through GMP04 Deliverables)														
velop and periodically update a risk management plan	5.01	12.0	20.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0	
Subtota	l (Hours):	12.0	0.0 20.0	0.0 0.0	0.0	0.0	0.0 0.0 0.	0 0.0 0	0.0 0.0	0.0 0.0 0.1	0.0 0	.0 0.0 0.0	32.0	
Subto	otal (Cost):	\$1,980	\$0 \$3,300	\$0 \$0	\$0	\$0	\$0 \$0 \$	0 \$0	\$0 \$0	\$0 \$0 \$	D \$0 \$	\$0 \$0 \$0	\$5,280	
					l					I				
Totals (Hours):		367.0	0.0 924.0	0.0 894.0	0.0	80.0	0.0 110.0 0.	0 708.0 0	.0 1,332.0	0.0 80.0 0.0	80.0 0	.0 340.0 0.0	9 4,915.0	
Total Hourly Rate:		\$165.00	\$165.00	\$140.00		\$105.00	\$85.00	\$128.00	\$128.00	\$125.00	\$125.00	\$40.00		
Total Design Phase Staff Costs:		\$60,555	\$0 \$152,460	\$0 \$125,160	\$0	\$8,400	\$0 \$9,350 \$	0 \$90,624	\$0 \$170,496	\$0 \$10,000 \$	5 \$10,000	\$0 \$13,600 \$	\$650,645	
												Total Cost:	\$650,645	
												Total Cost.	3030,045	

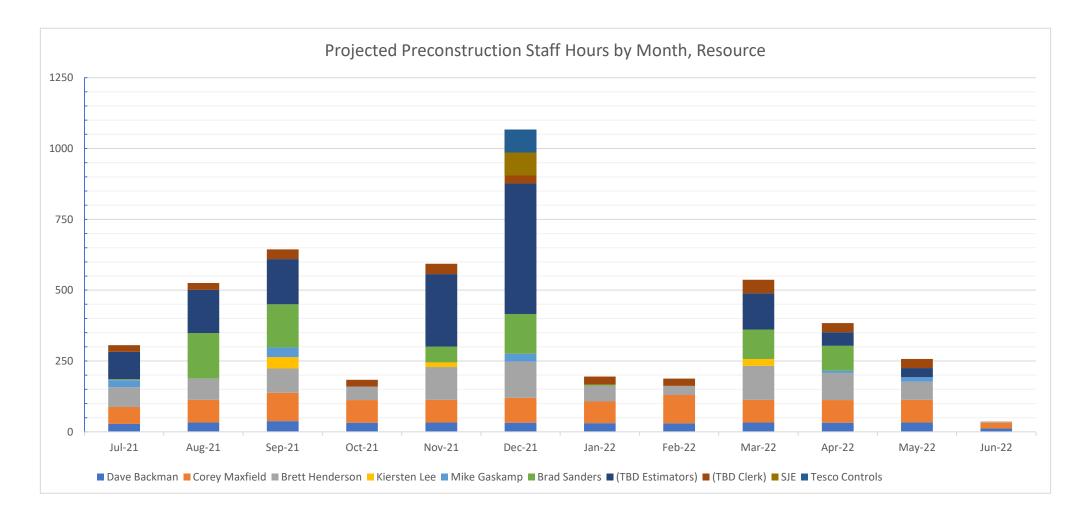
ATTACHMENT A.1.1







Resource	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Total
Dave Backman	28	33	38	32	33	32	31	30	33	32	33	12	367
Corey Maxfield	60	80	100	80	80	88	76	100	80	80	80	20	924
Brett Henderson	70	76	86	48	116	128	56	32	120	96	64	2	894
Kiersten Lee	0	0	40	0	16	0	0	0	24	0	0	0	80
Mike Gaskamp	24	0	34	0	0	28	0	0	0	8	16	0	110
Brad Sanders	4	160	152	0	56	140	4	0	104	88	0	0	708
(TBD Estimators)	96	152	160	0	256	460	0	0	128	48	32	0	1332
(TBD Clerk)	24	24	34	24	36	30	28	26	48	32	32	2	340
SJE	0	0	0	0	0	80	0	0	0	0	0	0	80
Tesco Controls	0	0	0	0	0	80	0	0	0	0	0	0	80
Total	306	525	644	184	593	1066	195	188	537	384	257	36	4915



CMAR Pre-Construction				Week Ending:																						,				
		T 1	Total																									8	8 8	8
Description	Resource	Task Number	Scheduled Hours		Jul-21 Jul-21	Aug-21 Aug-21	Aug-21 Aug-21	Sep-21 Sep-21	Sep-21 Sep-21	Sep-21 Oct-21 Oct-21	Oct-21 Oct-21	Oct-21 Nov-21	Nov-21 Nov-21	Nov-21 Dec-21	Dec-21	Dec-21	Dec-21 lan-22	lan-22 lan-22	lan-22	Feb-22 Feb-22	Feb-22	Feb-22 Mar-2	Mar-22 Mar-22	Mar-2	Apr-22 Apr-22	Apr-22	Apr-22 Apr-22	May-2	May-2 May-2	May-2
				09-J	23-J	06-/ 13-/	20-1	03-50	17-5 24-5	24-5 01-(08-(15-(29-(12-r 19-r	26-1	10-1	24-1	31-I 07-J	14-J 21-J	28-1	04-l 11-l	18-1	25-1	11-r 18-r	25-I	01-/	15-/	22-1		13-I 20-I	27-1
1.0 STAFF AND ADMINISTRATIVE MANAGEMENT																														
(Phase 1 - STMWRF 2020 Plant Expansion; 30% through GMP04 Deliverables) 1.1 - Coordinate and schedule staff and resources	Dave Backman	1.01	71	3 0	1 0	2 0	2 0	2 0	0 0	0 2 0	2 0	2 2	0 2	0 0	0 0 0	0	1 0	4 0	2	0 2	0	2 0	0 2	0	2 0	4	0 8	0	-	8 8
1.2 -Track progress of scheduled work and prepare monthly reports	Corey Maxfield (TBD Clerk)	1.02 1.02	84 96	0 0 2 2	0 0 2 2	4 0 2 2	0 4 2 2	4 0 2 2	0 4 2 2	4 4 0 2 2 2 2	0 0 2 2	4 4 2 2	0 0 2 2	4 4 2 2	0 0 2 2 2	0	4 4 2 2	0 0 2 2	4 2	4 0 2 2	0	4 4 2 2	0 0 2 2	4 2	4 0 2 2	0 2	0 4 2 2	4 2	0 0 2 2	4 4 2 2
1.3 - Prepare detailed monthly invoicing to the Owner	(TBD Clerk) Corey Maxfield	1.03 1.03	176 24	0 0 0 0	0 16 0 0	0 0 4 0	0 16 0 2	0 0 0 0	0 16 0 2	16 0 0 2 0 0	0 0 0 0	16 0 2 0	0 0 0 0	16 0 2 0	0 0 0 0 0 0	0	16 0 2 0	0 0 0 0	16 2	0 0 0 0	0	16 0 2 0	0 0 0 0	<u> 16 </u> 2	0 0 0	0	0 16 0 2	0 0 0 0	0 0 0 0	16 0 2 0
1.4 - Partnering Meetings with JV and County Executive Management	Brett Hendersor Dave Backman		44 8	0 0 0 0 0	0 4 0 0	0 0 0 0	0 4 0 0	0 0 2 0	0 4 0 0	4 0 0 0 0 0	0 0 0 0	4 0 0 0	0 0 0 0	4 0 0 2	0 0 0	0	4 0 0 0	0 0 0 0	4	0 0 0 0	0	4 0 0 2	0 0 0 0	4	0 0 0 0	0	0 4 0 0	0	0 0 0 0	4 0 0 2
	Corey Maxfield		8	0 0	0 0	0 0	0 0	2 0	0 0	0 0 0	0 0	0 0	0 0	0 2	0 0	0	0 0	0 0	0	0 0	0	0 2	0 0	0	0 0	0	0 0	0	0 0	0 2
2.0 DESIGN COORDINATION			0																											
<u>(Phase 1 - STMWRF 2020 Plant Expansion; 30% through GMP03A Deliverables)</u> 2.1 - Attend Project Collaboration meeting (1-each)	Dave Backman	2.01	48	0 2	0 2	0 2	0 2	0 2	0 2	2 0 2	0 2	0 2	0 2	0 2	2 0 2	0	2 0	2 0	2	0 2	0	2 0	2 0	2	0 2	0	2 0	2	0 2	0 2
	Corey Maxfield Brett Hendersor	2.01 n 2.01	46 46	0 2	0 0	0 2	0 2 0 2	0 2 0	0 2	2 0 2 2 0 2	0 2	0 2	0 2	0 2	2 0 2 2 0 2	0	2 0	2 0	2	0 2	0	2 0	2 0	2	0 2	0	2 0	2	0 2 0 2	0 2
2.1.1 - Attend Risk Register meeting (1-each)	Dave Backman Corey Maxfield	2.01.1 2.01.1	10 10	0 0 0 0	0 0 0 0	1 0 1 0	0 0 0 0	1 0 1 0	0 0 0 0	0 1 0 0 1 0	0 0 0 0	0 1 0 1	0 0 0 0	0 1 0 1	. 0 0 . 0 0	0	0 0 0 0	1 0 1 0	0	1 0 1 0	0	0 1 0 1	0 0 0 0	0	1 0 1 0	0	0 0 0 0		0 0 0 0	0 0 0 0
2.2 - Review existing as-built drawings and existing site conditions2.3 - Participate in project coordination meetings on a monthly basis (12-each)			0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0 0 0	0	0 0 0 0	0 0 0 0	0	0 0 0 0	0	0 0 0 0	0 0 0 0	0	0 0 0 0	0	0 0 0 0	0		0 0 0 0
 2.4 - Provide constructability/value engineering at 30 percent design level (INCLUDED IN TASK 4.3) 2.5 - Review 60 and 90 percent drawings and provide written comments regarding constructability issues (INCLUDED IN TASK 4.3) 			0	0 0 0 0	<u> </u>	0 0 0 0	0 0 0 0 0	0 0	0 0 0 0	0 0 0 0 0 0	0 0 0 0	0 0	0 0 0 0	0 0	0 0 0		0 0 0 0	0 0	U	0 0 0 0	0	0 0 0 0	0 0 0 0	0	0 0 0 0	0	0 0 0 0	0		0 0 0 0
 2.6 - Attend Value Engineering and Constructability Review workshop (1-each) 2.7 - Attended Design Workshops (2-each) 			0	0 0 0	<u> </u>		0 0 0 0	<u> </u>	0 0 0 0	0 0 0 0 0 0	0 0 0 0	0 0	0 0	0 0) 0 0) 0 0		0 0 0 0	0 0		0 0 0 0	0	0 0 0 0	0 0 0 0	0	0 0 0 0			0		
2.8 - Issue written constructability at the completion of the 90 percent reviews (INCLUDED IN TASK 4.3) 2.9 - Answer questions and coordinate ideas for betterment of the project	Kiersten Lee	2.09	0 40	0 0	0 0	0 0	0 0	0 0	0 0		0 0	0 0	0 0			0	0 0	0 0	0	0 0	0	0 0	0 0	0	0 0	0	0 0	0	0 0	0 0
2.10 - Coordinate early packages including cost estimate (for each package) 2.11 - Develop RFI's at each of the stipulated phases of design (INCLUDED IN TASK 4.3)		2.03	0	0 0 0 0 0 0	0 0	0 0	0 0	0 0	0 0										0	0 0	0			0	0 0	0	0 0	0	0 0	0 0
(Phase 1 - STMWRF 2020 Plant Expansion; GMP03B 90% to 100% Deliverables)			0		0 0												0 0													
2.20 - Review GMP03B 90% & 100% drawings and specs; provide written comments in Bluebeam	Corey Maxfield Brett Hendersor	2.20 n 2.20	4 8	4 0 8 0	0 0	0 0 0	0 0	0 0 0	0 0	0 0 0 0 0 0	0 0	0 0	0 0	0 0	0 0 0	0	0 0	0 0	0	0 0	0	0 0	0 0	0	0 0	0	0 0	0	0 0	
2.21 - Participate in GMP03B design review workshops and present & evaluate VE alternatives	Dave Backman Corey Maxfield	2.21 2.21	4	0 0	0 0	0 0	0 4	0 0	0 0	0 0 0	0 0	0 0	0 0	0 0		0	0 0	0 0	0	0 0	0	0 0	0 0	0	0 0	0	0 0	0	0 0	0 0
	Brad Sanders (TBD Estimators	2.21	12			0 0		4 4 8 0	0 0		0 0	0 0	0 0			0	0 0	0 0	0	0 0	0		0 0		$\begin{array}{c c} 0 & 0 \\ \hline 0 & 0 \\ \hline 0 & 0 \\ \end{array}$				0 0	
(Phase 1 - STMWRF 2020 Plant Expansion; GMP04 60% Deliverables)	(TBD Estimators) 2.21	8		0 0	0 0		8 0	0 0		0 0		0 0	0 0		0	0 0	0 0		0 0	0								0 0	
2.30 - Review GMP04 60% drawings and specs; provide written comments in Bluebeam	Dave Backman Corey Maxfield	2.30 2.30	16 15	0 0	4 4 4 0	8 0 11 0	0 0	0 0	0 0	0 0 0	0 0	0 0	0 0	0 0		0	0 0	0 0	0	0 0	0	0 0	0 0	0	0 0		0 0	0	0 0	0 0
	Brett Hendersor Brad Sanders		12		4 0	8 0 8 0	0 0	0 0	0 0		0 0	0 0	0 0	0 0		0	0 0	0 0	0	0 0	0		0 0		$\begin{array}{c c} 0 & 0 \\ \hline 0 & 0 \\ \hline 0 & 0 \\ \hline \end{array}$				0 0	
	(TBD Estimators	5) 2.30	4 8	0 0	4 0 8 0	0 0	0 0	0 0	0 0		0 0	0 0	0 0	0 0		0	0 0	0 0	0	0 0	0	0 0	0 0	0	$\begin{array}{c c} 0 & 0 \\ \hline 0 & 0 \\ \hline \end{array}$	0		0	0 0	
2.31 - Participate in GMP04 60% design review workshops	Dave Backman Corey Maxfield	2.31 2.31	12 8	0 0	0 4	0 8	0 0	0 0	0 0	0 0 0	0 0	0 0	0 0	0 0	0 0 0	0	0 0	0 0	0	0 0	0	0 0	0 0	0	0 0	0	0 0	0	0 0	
2.32 - Present & evaluate VE alternatives for GMP04 60% design	Brad Sanders Corey Maxfield	2.31 2.32	<u>8</u> 15	0 0 0 0	0 0 0 0	0 8 0 4	0 0 4 4	0 0 3 0	0 0 0 0	0 0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0 0 0	0	0 0 0 0	0 0 0 0	0	0 0 0 0	0	0 0 0 0	0 0 0 0	0	0 0 0 0	0	0 0 0 0	0	0 0 0 0	0 0
	Brett Hendersor Brad Sanders	2.32	20 28	0 0 0 0	0 0 0 0	0 0 0 0	8 4 8 8	8 0 12 0	0 0 0 0	0 0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0 0 0	0	0 0 0 0	0 0 0 0	0	0 0 0 0	0	0 0 0 0	0 0 0 0	0	0 0 0 0	0	0 0 0 0	0	0 0 0 0	0 0 0
2.33 - Perform overlay comparison of GMP04 60% design to previous design and evaluate magnitude of scope changes	(TBD Estimators Brett Hendersor	/	40 26	0 0 0 0	0 0 2 0	0 0 8 8	8 16 8 0	16 0 0 0	0 0 0 0	0 0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0	0 0 0	0	0 0 0 0	0 0 0 0	0	0 0 0 0	0	0 0 0 0	0 0 0 0	0	0 0 0	0	0 0 0	0	0 0 0 0	0 0 0 0
	Brad Sanders (TBD Estimators	2.33) 2.33	88 72	0 0 0 0	0 0 0 0	24 32 16 32	32 0 24 0	0 0 0 0	0 0 0 0	0 0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	000) 0 0) 0 0	0	0 0 0 0	0 0 0	0	0 0 0 0	0	0 0 0 0	0 0 0 0	0	0 0 0 0		0 0 0 0	0	0 0 0 0	0 0
2.34 - Participate in SRF and AIS meetings and assess impacts to project	Dave Backman Corey Maxfield	2.34	8	0 0	0 0	0 0	0 0	0 2	0 0	0 0 0	0 2	0 0	0 0	0 0	2 0	0	0 0	0 0	0	2 0 2 0	0	0 0	0 0	0	0 0	0	0 0	0	0 0	
(Phase 1 - STMWRF 2020 Plant Expansion; GMP04 90% Deliverables)																														
2.40 - Review GMP04 90% drawings and specs; provide written comments in Bluebeam	Dave Backman Corey Maxfield	2.40 2.40	8 18	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0 0 0	0 0 0 0	0 0 0 0	0 4 0 12	4 0 2 6 0	0 0 0 0 0 0	0	0 0 0 0	0 0 0 0	•	0 0 0 0	0	0 0 0 0	0 0 0 0	0	0 0 0 0	0	0 0 0 0	0	0 0 0 0	0 0 0
	Brett Hendersor Brad Sanders		24 8	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0	0 0 0	0 0 0 0	0 0 0 0 0 0	0 0 0 0	0 0 0	0 8 0 4	8 8 4 0	B 0 0 D 0 0	0	0 0 0 0	0 0	0	0 0 0 0	0	0 0 0	0 0 0 0	0	0 0 0 0	0	0 0 0	0	0 0 0 0	
	(TBD Estimators SIF		24 20	0 0	0 0	0 0	0 0	0 0	0 0	0 0 0	0 0	0 0	0 8	8 8		0	0 0	0 0	0	0 0	0	0 0	0 0	0	0 0		0 0	0	0 0	
2.41 - Participate in GMP04 90% design review workshops	Tesco Controls Dave Backman	2.40	20	0 0	0 0 0 0			0 0	0 0		0 0	0 0	0 0	0 20		0	0 0	0 0	0	0 0	0		0 0	0	$\begin{array}{c c} 0 \\ \hline 0 \\ \hline 0 \\ \hline \end{array}$			0	0 0 0 0	
2.41 - Falticipate in Givero4 30% design review workshops	Corey Maxfield Brad Sanders	2.41 2.41 2.41	4		0 0	0 0	0 0	0 0	0 0		0 0	0 0	0 0	0 0			0 0	0 0	0	0 0	0		0 0		$\begin{array}{c c} 0 & 0 \\ \hline 0 & 0 \\ \hline 0 & 0 \\ \hline \end{array}$			0	0 0	
2.42 - Present & evaluate VE alternatives for GMP04 90% design	Corey Maxfield	2.42	31	0 0	0 0	0 0	0 0	0 0	0 0		0 0	0 0	0 0	0 0	0 4 0 0 4 4	2	0 0	5 8	8	0 0	0	0 0	0 0 0	0	0 0 0	0	0 0	0	0 0	0 0
	Brett Hendersor Brad Sanders	2.42	24 24	0 0	0 0	0 0	0 0	0 0	0 0	0 0 0	0 0	0 0	0 0	0 0	4 4 8 8	8	0 0	4 4 0 0	0	0 0	0	0 0	0 0	0	0 0	0	0 0	0	0 0 0 0	0 0
(Phase 1 - STMWRF 2020 Plant Expansion; Early Equipment Package 90% Deliverables)	(TBD Estimators	.) 2.42	40	0 0	0 0	0 0	0 0	0 0	0 0	0 0 0	0 0	0 0	0 0	0 0	0 8 16	5 16	0 0	0 0	0	0 0	0	0 0	0 0	0	0 0	0	0 0	0	0 0	0 0
2.50 - Develop Early Equipment Procurement Package(s)	Corey Maxfield	2.50 n 2.50	5 12	0 0	0 0	0 0	0 0	0 0	0 0	0 0 0	0 0	0 0	0 0	4 1	0 0	0	0 0	0 0	0	0 0	0	0 0	0 0	0	0 0	0	0 0	0	0 0	0 0
(Phase 1 - STMWRF 2020 Plant Expansion; GMP04 100% Deliverables)	Brett Hendersor	1 2.50	12			0 0			0 0		0 0		0 0	4 8		0	0 0		0	0 0	0				0 0				0 0	
2.60 - XXXX			0		0 0	0 0	0 0	0 0 0	0 0	0 0 0	0 0	0 0	0 0	0 0		0	0 0	0 0	0	0 0	0	0 0	0 0	0	0 0	0	0 0	0	0 0	0 0
3.0 CONSTRUCTION MANAGEMENT COORDINATION					- 0				- 0																	Ţ,				- v
(Phase 1 - STMWRF 2020 Plant Expansion; 30% through GMP03A Deliverables)			-		12																									
 3.1 - Identify and coordinate temporary site utilities, access, office facilities, storage, and laydown areas 3.2 - Prepare and develop the required construction work packages, procurement process, sub plan, procurement and execution procedures 	Corey Maxfield Brett Hendersor		34 24	16 6 8 8	12 0 8 0	U 0 0 0	U O 0 0	0 0 0 0	0 0 0 0	0 0 0 0 0 0	U 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	U 0 0 0 0 0 0	0	0 0 0 0	0 0 0 0	0	U 0 0 0	0	U O 0 0	0 0 0 0	0	U O 0 0	0	U O 0 0		0 0 0 0	0 0 0 0
3.3 - Conduct advertisements, pre-qualification procedures, and contracts with all subcontractors	(TBD Estimators	3.02	48 0	<u> </u>	<u> </u>	<u> </u>	0 0 0 0	0 0	0 0	<u> </u>	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0 0 0	0	0 0 0 0	0 0 0 0	0	0 0 0 0	0	0 0 0 0	0 0 0 0	0	0 0 0 0	0				
 3.4 - Develop potential bidder lists for all trades 3.5 - Distribution of documents to potential bidders, pre-bid conferences and bid openings 			0		<u> </u>		0 0 0 0				0 0 0 0				0 0 0 0 0 0	-	0 0 0 0	0 0 0 0		<u> </u>	0	0 0 0 0	0 0 0 0	0	0 0 0 0	0		0		
3.6 - Coordinate the date and time of the bid opening 3.7 - Coordination of input and questions from subcontractors	(TBD Estimators	i) 3.07	0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<u> </u>	0 0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0) 0 0) 0 0	0	0 0 0 0	0 0 0 0	0	0 0 0 0	0	0 0 0 0	0 0 0 0	0	0 0 0 0	0	0 0 0 0	0		0 0 0 0
3.8 - Review all subcontractor proposals / make recommendations to Owner	Dave Backman Corey Maxfield	3.08 3.08	4 4	0 4	0 0 0 0	0 0 0	0 0	0 0 0	0 0 0 0		0 0 0 0	0 0	0 0			0	0 0 0 0	0 0 0 0	0	0 0 0 0	0	0 0 0 0	0 0	0				0	0 0 0 0	
3.9 - Coordinate proposed schedule of values 3.10 - Coordinate the level of detail for the schedule (INCLUDED IN TASK 4.1)		5.00	0		<u> </u>	0 0		0 0 0	0 0		0 0		0 0		0 0 0		0 0	0 0	0	0 0	0	0 0	0 0			0		0		
3.11 - Participate in delivery coordination and construction details related to supply of major equipment			0		0 0	0 0	0 0	0 0			<u> </u>	0 0	0 0	0 0) 0 0	0	<u> </u>	<u> </u>	Ţ	• •	•	<u> </u>	0 0	0	0 0		0 0	0	0 0	0 0
 3.12 - Assessment and advisement regarding schedule impacts related to long lead equipment procurement (INCLUDED IN TASK 4.1) 3.13 - Assistance with developing bid alternates 			0	0 0 0 0						0 0 0 0 0 0																				

CMAR Pre-Construction

				Week End	ling:																									
Description	Resource	Task Number	Total Scheduled Hours	09-Jul-21	16-Jul-21 23-Jul-21 30-Iul-21	06-Aug-21	13-Aug-21 20-Aug-21	27-Aug-21 03-Sep-21	10-Sep-21	1/-Sep-21 24-Sep-21	01-Oct-21 08-Oct-21	15-0ct-21	29-Oct-21	05-Nov-21 12-Nov-21	19-Nov-21 26-Nov-21	03-Dec-21 10-Dec-21	17-Dec-21 24-Dec-21	31-Dec-21	14-Jan-22	21-Jan-22 28-Jan-22	04-Feb-22	11-Feb-22 18-Feb-22	25-Feb-22 04-Mar-22	11-Mar-22	18-Mar-22 25-Mar-22	01-Apr-22	08-Apr-22 15-Apr-22	22-Apr-22 29-Apr-22	06-May-22 13-Mav-22	20-May-22 27-May-22 03-Jun-22
 3.14 Support the owner with construction details that may be needed (in support of permitting) 3.15 - Coordinate with Owner to develop list of construction-specific permits 			0	÷		÷	0 0 0 0		÷	<u> </u>	0 0		-			0 0 0 0		-	-		-			-						0 0 0 0 0 0
(Phase 1 - STMWRF 2020 Plant Expansion; GMP03B 90% to 100% Deliverables)			Ū												0 0												<u> </u>			
3.20 - Prepare and develop GMP03B construction work packages, procurement process, sub plan, procurement and execution procedures	Dave Backman Corey Maxfield Brett Henderson Brad Sanders (TBD Clerk) (TBD Estimators)	3.20 3.20 3.20 3.20 3.20 3.20 3.20	4 16 16 32 4 32	0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 4 0 0 0 0 0 0 0 0 0 0 0 0	4 0 4 8 4 8 8 16 0 0 8 16	0 0 0 0 4 0 8 0 4 0 8 0 8 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
3.21 - Prepare and develop GMP03B Startup & Commissioning Plan	Kiersten Lee Dave Backman Corey Maxfield	3.21 3.21 3.21	40 4 10	0 0 0	0 0 0 0 0 0 0 0 0	0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 2 0 0 0 0	24 16 0 4 0 4	0 0 0 0 0 6	0 0 0 0 0 0	0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0	0 0 0	0 0 0 0 0 0	0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0	0 0 0 0 0 0) 0) 0) 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0
<u>(Phase 1 - STMWRF 2020 Plant Expansion; GMP04 60% Deliverables)</u> 3.30 - Vendor meetings to negotiate terms and conditions for GMP03B / Early Equipment Packages	Dave Backman	3.30	18	0		0	0 0	0 0	0 (0 0	4 0	6 (0	0 0	ΔΔ	0 0	0 0	0		0 0	0	0 0	0 0	0	0 0		0 0			
3.31 - Develop GMP04 Bid Packaging Plan including meetings with Washoe County executive management	Corey Maxfield Dave Backman Corey Maxfield	3.30 3.31 3.31	23 12 28	0	0 0 0 0 0 0 0 0 0	0	0 0 0 0 0 0	0 0 0 0 0 0		0 0 0 0 0 0	7 0 0 0 0 8	8 (0 4 8 12 8	0	0 0 0 0 0 0	4 4 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0		0 0 0 0 0 0 0 0	0	0 0 0 0 0 0	0 0 0 0 0 0 0 0	0	0 0 0 0 0 0		0 0 0 0 0 0 0 0	$\begin{array}{c c} 0 & 0 \\ \hline 0 & 0 \\ \hline 0 & 0 \\ \hline 0 & 0 \\ \end{array}$		$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
	Brett Henderson	3.31	16	0	0 0 0	0	0 0	0 0	0 (0 0	0 8	8 (0	0 0	0 0	0 0	0 0	0	0	0 0	0	0 0	0 0	0	0 0	0	0 0	0 0	0 0	
(Phase 1 - STMWRF 2020 Plant Expansion; GMP04 90% Deliverables) 3.40 - Prepare and develop GMP04 construction work packages, procurement process, sub plan, procurement and execution procedures	Dave Backman	3.40	12	0		0	0 0	0 0	0 0	0 0	0 0	0 0	A	4 4	0 0	0 0	0 0	0		0 0	0	0 0	0 0	0	0 0		0 0			
	Corey Maxfield Brett Henderson (TBD Clerk) (TBD Estimators)	3.40 3.40 3.40 3.40	57 64 12 80	0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0		14 2 24 2 0 0 2	13 20 24 16 8 4 16 24	2 0 0 0 0 0 40 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0			0 0 0 0 0 0 0 0 0 0	0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
3.41 - Outreach and Good Faith Effort to garner interest for DBE/WBE/MBE and Small Businesses	Corey Maxfield Brad Sanders (TBD Clerk)	3.41 3.41 3.41	4 4 4	0	0 0 0 0 0 0 0 0 0	0	0 0 0 0 0 0	0 0 0 0 0 0		0 0 0 0 0 0	0 0 0 0 0 0		0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0	0 0 0	4 0 4 0 4 0	0	0 0 0 0 0 0	0 0 0 0 0 0	0	0 0 0 0 0 0		0 0 0 0 0 0	0 0 0 0 0 0	$ \begin{array}{c cccc} 0 & 0 \\ \hline 0 & 0 \\ \hline 0 & 0 \end{array} $	0 0 0 0 0 0 0 0 0
(Phase 1 - STMWRF 2020 Plant Expansion; Early Equipment Package 90% Deliverables) 2.50 Propage and develop GMP04 Early Programmat Equipment packages, programmant process, sub plan, programmant and execution process		3.50	4	0				0 0		0				0 0	0 0		2 0			0 0	0	0 0	0 0		0 0) 0	0 0			
3.50 - Prepare and develop GMP04 Early Procurement Equipment packages, procurement process, sub plan, procurement and execution proce	Corey Maxfield Brett Henderson (TBD Clerk) (TBD Estimators)	3.50 3.50 3.50 3.50 3.50 3.50	4 6 8 4 20	0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	2 0 2 2 0 4 4 0 8 8	2 0 2 0 4 0 0 0 4 0	0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
(Phase 1 - STMWRF 2020 Plant Expansion; GMP04 100% Deliverables)	Davis Da shus su	2.60	0					0 0							0 0						0									
3.60 - Updates for 100% GMP04 construction work packages, procurement process, sub plan, procurement and execution procedures	Dave Backman Corey Maxfield Brett Henderson (TBD Clerk) (TBD Estimators)	3.60 3.60 3.60 3.60 3.60 3.60	8 25 40 12 56	0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0		0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 2 1 8 1 0 -	0 4 12 4 16 8 4 8 16 16	4 7 8 0 6 8	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	$ \begin{array}{c cccc} 0 & 0 \\ \hline \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
3.61 - Coordinate with Owner to develop list of needs, and submit for construction-specific permits	Dave Backman Corey Maxfield (TBD Clerk)	3.61 3.61 3.61	16 42 8	0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0	0 0 2 0 0 4	0 0 4 4 0 0	0 0 0 0 0 0	0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0	4 4 0	4 0 4 0 0 0	0 0 0	0 0 0 0 0 0	0 0 6 6 0 0	2 4 0	2 0 4 0 4 0		0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0 0 0
4.0 COST AND SCHEDULE	· · ·																													
<u>(Phase 1 - STMWRF 2020 Plant Expansion; 30% through GMP03A Deliverables)</u> 4.1 - Develop a master critical path construction schedule, incorporate Owner comments, update periodically	Mike Gaskamp	4.01	24	8	L2 4 0	0	0 0	0 0	0 (0 0	0 0	0 0	0	0 0	0 0	0 0	0 0	0	0	0 0	0	0 0	0 0	0	0 0	0	0 0	0 0	0 0	0 0 0
 4.2 - Attend an initial cost estimating workshop (1-each) (NCLUDED ABOVE) 4.3 - Develop construction cost estimates (30% Cost Model) 			0	-			0 0	0 0	0 0	• •	0 0	0 0	0	0 0	0 0	0 0	0 0	0	0	0 0	0	0 0	0 0	0	0 0		0 0	0 0		0 0 0 0 0 0
4.4 - Provide assistance with developing bid alternates			0	0	0 0 0	0	0 0	0 0	0 0	0 0	0 0	0 (0	0 0	0 0	0 0	0 0	0	0	0 0	0	0 0	0 0	0	0 0	0	0 0	0 0	0 0	0 0 0
4.5 - Attend a cost evaluation workshop at 60% and 90% (2-each)4.6 - Develop cost estimates for any value engineering proposals			0	0	0 0 0	0	0 0	0 0	0 0	0 0	0 0		0	0 0	0 0	0 0	0 0	0	0	0 0	0	0 0	0 0	0	0 0	0	0 0	0 0	0 0	0 0 0 0 0 0
4.7 - Development of GMP Proposal(s)	Dave Backman Corey Maxfield Brett Henderson (TBD Estimators)	4.07 4.07 4.07 4.07	4 12 26 32	0 0 8 16	2 2 0 8 4 0 16 2 0 16 0 0	0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 (0 0 (0 0 (0 0 (0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 (0 0 (0 0 (0 0 (0	0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0	0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
<u>(Phase 1 - STMWRF 2020 Plant Expansion; GMP03B 90% to 100% Deliverables)</u> 4.20 - Develop cost estimate and participate in estimate comparison reviews with Independent Cost Estimator (ICE) for GMP03B	Dave Backman	4.20	4	0	0 0 0	0	0 0	0 0	2	2 0	0 0	0 0	0	0 0	0 0	0 0	0 0	0	0	0 0	0	0 0	0 0	0	0 0) 0	0 0	0 0	0 0	0 0 0
	Corey Maxfield Brett Henderson Brad Sanders (TBD Estimators)	4.20 4.20 4.20 4.20	8 16 108 96	0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ŭ	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	4 4 8 8 28 4 32 3	4 0 8 0 40 40 32 32	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0	0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
4.21 - Develop GMP03B critical path construction schedule, and participate in schedule strategy meeting with Owner / Owner's Representative	e Mike Gaskamp Dave Backman Corey Maxfield Brett Henderson	4.21 4.21 4.21 4.21	16 2 4	0 0 0	0 0 0 0 0 0 0 0 0	0	0 0 0 0 0 0	0 0 0 0 0 0		0 16 2 0 4 0	0 0 0 0 0 0		0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0		0 0 0 0 0 0	0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0	0 0 0 0 0 0		0 0 0 0 0 0	$ \begin{array}{c ccc} 0 & 0 \\ \hline \end{array} $		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
4.22 - Develop and Negotiate GMP03B including General Conditions and Direct Cost of Work	Dave Backman	4.22	4	0	0 0 0	0	0 0	0 0	0	0 7	0 0	0 0	0	0 0	0 0	0 0	0 0	0		0 0	0	0 0	0 0	0	0 0		0 0	0 0		
	Corey Maxfield Brett Henderson (TBD Estimators)	4.22 4.22 4.22	12 12 16	0 0 0	0 0 0 0 0 0 0 0 0	0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 2 4 4 4 4 0 8	2 2 4 4 4 4 8 8	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0	0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0	0 0 0 0 0 0) 0	0 0 0 0 0 0	0 0 0 0 0 0	$ \begin{array}{c cccc} 0 & 0 \\ \hline 0 & 0 \\ \hline 0 & 0 \end{array} $	
<u>(Phase 1 - STMWRF 2020 Plant Expansion; GMP04 60% Deliverables)</u> 4.30 - Update construction cost estimate (30% Cost Model) based on scope and quantity changes noted by 60% drawing overlay comparison	Brett Henderson (TBD Estimators) Brett Henderson Corey Maxfield Brad Sanders	4.22 4.22 4.30 4.30 4.30 4.30	16 20 18 36	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 4 0 16	0 0 0 0 0 0 4 8 6 12 0 0	0 0 0 0 0 0 0 0 4 0 0 0 20 0	0 2 4 4 0 8 0 0 0 0 0 0 0 0 0 0 0 0	8 8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0
	Brett Henderson (TBD Estimators) Brett Henderson Corey Maxfield Brad Sanders (TBD Estimators)	4.22 4.22 4.30 4.30	16	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 4 0 16	0 0 4 8 6 12	0 0 0 0 0 0 0 0 4 0 0 0 20 0 16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 8	8 8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0	0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0			0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	
 4.30 - Update construction cost estimate (30% Cost Model) based on scope and quantity changes noted by 60% drawing overlay comparison 4.31 - Develop GMP04 60% critical path construction schedule, and participate in schedule strategy meeting with Owner / Owner's Representat (Phase 1 - STMWRF 2020 Plant Expansion; GMP04 90% Deliverables) 	Brett Henderson (TBD Estimators) Brett Henderson Corey Maxfield Brad Sanders (TBD Estimators) tive Mike Gaskamp Dave Backman Corey Maxfield Brett Henderson	4.22 4.22 4.30 4.30 4.30 4.30 4.31 4.31 4.31 4.31 4.31	16 20 18 36	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 4 0 16	0 0 4 8 6 12	0 0 0 0 0 0 0 0 4 0 0 0 20 0 16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 8	8 8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0	0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0 0
4.30 - Update construction cost estimate (30% Cost Model) based on scope and quantity changes noted by 60% drawing overlay comparison 4.31 - Develop GMP04 60% critical path construction schedule, and participate in schedule strategy meeting with Owner / Owner's Representat	Brett Henderson (TBD Estimators) Brett Henderson Corey Maxfield Brad Sanders (TBD Estimators) tive Mike Gaskamp Dave Backman Corey Maxfield Brett Henderson	4.22 4.22 4.30 4.30 4.30 4.30 4.31 4.31 4.31	16 20 18 36	0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 4 0 16 16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 4 8 6 12	0 0 0 0 0 0 0 0 4 0 0 0 20 0 16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 8	8 8	0 0 0 0	0 0 0 0	0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 16 16 24 24	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 2 0 0 8 8 24 24			0 0 0 0	0 0 0 0			0 0 0 0	0 0	0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0 0 0	0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
4.30 - Update construction cost estimate (30% Cost Model) based on scope and quantity changes noted by 60% drawing overlay comparison 4.31 - Develop GMP04 60% critical path construction schedule, and participate in schedule strategy meeting with Owner / Owner's Representat (Phase 1 - STMWRF 2020 Plant Expansion; GMP04 90% Deliverables)	Brett Henderson (TBD Estimators) Brett Henderson Corey Maxfield Brad Sanders (TBD Estimators) tive Mike Gaskamp Dave Backman Corey Maxfield Brett Henderson	4.22 4.22 4.30 4.30 4.30 4.30 4.31 4.31 4.31 4.31 4.31 4.31 4.31 4.31	16 20 18 36 48 18 2 6 10 10 6 18 90	0 0 0 <	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 4 0 16 16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 4 8 6 12	0 0 0 0 0 0 0 0 4 0 0 0 20 0 16 0 0 0	0 8	8 8	0 0 0 0	0 0 0 0	0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 16	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 16 16 24 24 80 80 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 2 0 0 2 2 0 0 8 8 24 24 120 120 0 20 0 20	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0	0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0	0 0 0 0 0 0 <th>0 0 0 0</th> <th>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</th> <th>0 0</th> <th>0 0 0 0</th> <th>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</th> <th>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</th>	0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 4.30 - Update construction cost estimate (30% Cost Model) based on scope and quantity changes noted by 60% drawing overlay comparison 4.31 - Develop GMP04 60% critical path construction schedule, and participate in schedule strategy meeting with Owner / Owner's Representat (Phase 1 - STMWRF 2020 Plant Expansion; GMP04 90% Deliverables) 	Brett Henderson (TBD Estimators) Brett Henderson Corey Maxfield Brad Sanders (TBD Estimators) tive Mike Gaskamp Dave Backman Corey Maxfield Brett Henderson Brad Sanders (TBD Estimators) SJE Tesco Controls	4.22 4.22 4.30 4.30 4.30 4.30 4.31 4.31 4.31 4.31 4.31 4.31 4.31 4.31	16 20 18 36 48 18 2 6 10 6 10 6 18 90 144	0 0 <td< td=""><td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>0 4 0 16 16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>0 0 4 8 6 12</td><td>0 0 0 0 0 0 0 0 4 0 0 0 20 0 16 0 0 0</td><td>0 8</td><td>8 8</td><td>0 0 0 0</td><td></td><td>0 0</td><td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 16</td><td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 16 16 24 24 80 80 0 0</td><td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 2 0 0 2 2 0 0 2 2 0 0 2 2 0 2 0 20 0 20 4 8 2 0 2 0 2 0 2 0 2 0 </td><td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td></td><td>0 0 0<td>0 0 0 0 </td><td></td><td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>0 0 0 0</td><td>0 <td< td=""><td>0 0 0 0</td><td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>0 0</td><td>0 0 0 0</td><td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td></td<></td></td></td<>	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 4 0 16 16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 4 8 6 12	0 0 0 0 0 0 0 0 4 0 0 0 20 0 16 0 0 0	0 8	8 8	0 0 0 0		0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 16	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 16 16 24 24 80 80 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 2 0 0 2 2 0 0 2 2 0 0 2 2 0 2 0 20 0 20 4 8 2 0 2 0 2 0 2 0 2 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 <td>0 0 0 0 </td> <td></td> <td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>0 0 0 0</td> <td>0 <td< td=""><td>0 0 0 0</td><td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>0 0</td><td>0 0 0 0</td><td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td></td<></td>	0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0	0 0 <td< td=""><td>0 0 0 0</td><td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>0 0</td><td>0 0 0 0</td><td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td></td<>	0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

MWH KGW

CMAR FIE-COnstruction				Week Ending:																													
																																	<u> </u>
		T 1-	Total																												8 8	52	8
Description	Resource	Task Number	Scheduled	21	-21 -21	g-21	g-21	g-21)-21 -21	-21	t-21	21 21	-21	v-21 v-21	v-21 v-21	c-21	c-21	c-21	-21	-22	-22	-22	-22	-22	r-23		Ir-22		r-22		1.22 1.22 1.4-22	-7-	Z-Y
		Number	Hours			P-Au	-Au	-Sep	-Sep	-Sep	- Q Q	oc oc	; o	No N	No N	-De	- P -	-De	-De	-Jan	-Jan -Jan	Fet	het het	Fet	E E	E Za	Ξ-	de- Ap	Ap-	dr dP	Ξ Ξ	- E	Ξ.
				16	30 23	06 13	50	03	11	24	80	, 15 , 22	29	05	, 19 , 26	03	110	24	31 07	14	21 28 28	8	11 18 18	25	04 11	198	52		15	29	06	50	2
	Brett Henderson	4.42	48	0 0	0 0	0 0	0	0 0	4 8	4 0	0	0 0	0	0 0	0 0	0	0 0	0	0 0	0	0 8	8	8 8	0	0 0) ()	0	0	0 0) ()	0 0	0	5
Phase 1 - STMWRF 2020 Plant Expansion; Early Equipment Package 90% Deliverables)																																	
.50 - Participate in critical path construction schedule workshop for Early Equipment Procurement Package(s) determination	Mike Gaskamp	4.50	8	0 0	0 0	0 0	0	0 0	0 0	0 0	0	0 0	0	0 0	0 0	0	8 0	0	0 0	0	0 0	0	0 0	0	0 0		0		0 0		0 0		0
	Dave Backman Corey Maxfield	4.50 4.50	<u>∠</u> Д				0				0		0			2	2 0	0		0		0		0									0
	Brett Henderson	4.50	4	0 0	0 0	0 0	0	0 0	0 0	0 0	0	0 0	0	0 0	0 0	0	4 0	0	0 0	0	0 0	0	0 0	0	0 0) 0	0	0 C	0 0) 0			0
.51 - Develop cost estimate and participate in estimate comparison reviews with Independent Cost Estimator (ICE) for Early Equipment Package		4.51	6	0 0	0 0	0 0	0	0 0	0 0	0 0	0	0 0	0	0 0	0 0	0	2 0	0	0 0	0	4 0	0	0 0	0	0 0) 0	0 (0 0	0 0) 0	0 0	, 0	0
	Corey Maxfield	4.51	10	0 0	0 0	0 0	0	0 0	0 0	0 0	0	0 0	0	0 0	0 0	4	2 0	0	0 0	0	4 0	0	0 0	0	0 0) 0	0	0 0	0 0) 0	0 0	/ O	0
	Brett Henderson	4.51	16	0 0	0 0	0 0	0	0 0	0 0	0 0	0	0 0	0	0 0	0 0	4	4 0	0	0 0	0	8 0	0	0 0	0	0 0) 0	0	0 0	0 0) 0	0 0	0	0
	Brad Sanders (TBD Estimators)	4.51 4.51	16	0 0	0 0	0 0	0	0 0	0 0	0 0	0	0 0	0	0 0	0 0	8	8 0	0		0	0 0	0	0 0	0	0 0		0				0 0		0
.52 - Develop and Negotiate Early Equipment Package GMP(s) including General Conditions and Direct Cost of Work	Dave Backman	4.51	<u> </u>				0	0 0			0	0 0	0	0 0	0 0	0	0 0	0		0	0 0	0	0 0	0									$\frac{1}{0}$
	Corey Maxfield	4.52	24	0 0	0 0	0 0	0	0 0	0 0	0 0	0	0 0	0	0 0	0 0	0	4 4	0	0 8	8	0 0	0	0 0	0	0 0) 0	0	0 C	0 0) 0	0 0	, <u> </u>	•
	, Brett Henderson	4.52	24	0 0	0 0	0 0	0	0 0	0 0	0 0	0	0 0	0	0 0	0 0	0	4 4	4	0 8	4	0 0	0	0 0	0	0 0) 0	0	0 0	0 0) 0	0 0	0 0	0
Phase 1 - STMWRF 2020 Plant Expansion; GMP04 100% Deliverables)																																	
60 - Develop and Negotiate GMP04 including updated General Conditions and Direct Cost of Work based on 100% design documents	Dave Backman	4.60	32	0 0	0 0	0 0	0	0 0	0 0	0 0	0	0 0	0	0 0	0 0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 0) 4	4 4	4 4	4 C) 0	0 4	1 4	4
	Corey Maxfield	4.60	171	0 0	0 0	0 0	0	0 0	0 0	0 0	0	0 0	0	0 0	0 0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 12	2 4	8	8 18	20 1	8 6	13 20	0 18	14
	Brett Henderson	4.60	216	0 0	0 0	0 0	0	0 0	0 0	0 0	0	0 0	0	0 0	0 0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 16	6 16	16 2	4 24	24 24	4 16	16 16	5 16	8
	Brad Sanders	4.60	192	0 0	0 0	0 0	0	0 0	0 0	0 0	0	0 0	0	0 0	0 0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 0	24	40 4	0 40	24 24	4 0	0 0	, °	-
	Mike Gaskamp	4.60	24	0 0	0 0	0 0	0	0 0	0 0	0 0	0	0 0	0	0 0	0 0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 0	0 0	0 0		0 0) 8	8 8		0
	(TBD Estimators) (TBD Clerk)	4.60 4.60	152 24				0				0		0			0		0		0		0		0		$\frac{24}{24}$		4 24 8 0	24 0			6 16 8	0
	(TBB CICIN)		21		0 0	0 0		<u> </u>			Ű	0 0		0 0			<u> </u>		0 0	0	0 0	<u> </u>	<u> </u>		<u> </u>	, 0	U U U						
0 RISK MANAGEMENT																																	
Phase 1 - STMWRF 2020 Plant Expansion; 30% through GMP04 Deliverables)																																	
.1 Develop and periodically update a risk management plan	Dave Backman Corey Maxfield	5.01 5.01	12 20	0 0		0 0 0	-	0 0		-	-	0 0			0 0	0		_		-	0 0	0	0 0	-	0 0		0	0 0	0 0) 8	0 0	0 0 0 0	0
		5.01		0 0	0 0	0 0	0	0 0	0 0	0 4	0	0 0	0	0 0	0 0	0	0 0	4	0 0	0	0 0	0	0 0	4	0 0			5 0	0 0	0 0	0 0	0	5
Totals (Hours):			4,915																														
	Dave Backman		367	2 0	7 10	11 10	2	10 E	0 C	0 1	- <u>-</u> -	12 12	6	0 1	17 0	12	10 6	0	2 1	11	0 0	7	0 0	4	2 4	0	10 1	1 6	0 7	16	2 11		12
	Corey Maxfield		924	3 8	7 10	20 20	2 .	20 20	0 0 20 20	0 1. 20 20		20 20	20 7	9 4 20 20	20 20	13	20 20	20	<u> </u>	20	<u> </u>	/	<u> </u>	20	3 4				0 2 20 2	0 20	3 12		20
	Brett Henderson		894	20 20	20 0	20 20	20 2	20 20 10 10	20 20		10	20 20	20 2	20 20	20 20	20	20 20	20	6 10	10	12 10		20 20	20	20 20		20 2	20	20 20	0 <u>20</u>	20 20	0 20 6 18	12
			894	24 20	10 4	20 14	24 .	0 0	24 24		01	<u> </u>	28 2	20 <u>32</u>	16 0	. 34	<u> </u>	24		18	12 18		0 0	0	0 20		30 3						.2
	Kiersten Lee Mike Gaskamp		110	8 12	4 0		0		2 8	24 0	0		0		0 0	4	16 8	0		0		0		0			0				8 8		0
	Brad Sanders		708	0 0	4 0	40 40	40 4	40 32	40 40	40 0	0	0 0	0	0 0	28 28	32	44 32	32	0 0	0	4 0	0	0 0	0	0 0) 24	40 4	0 40	24 24	4 0	0 0		0
	(TBD Estimators)		1,332	32 36	28 0	32 40	40 4	40 40	40 40	40 0	0	0 0	0 1	16 24	128 88	152	152 140	16	0 0	0	0 0	0	0 0	0	0 16	6 40	40 3	2 24	24 C) 0	0 16	5 16	0
	(TBD Clerk)		340	2 2	2 18	2 2	2 2	18 2	6 2	22 2	2	2 2	18 1	10 6	2 18	6	2 2	2	18 2	2	6 18	3 2	2 2	18	2 2	. 10	26 1	.0 2	2 1	0 18	2 2	10	18
	(TBD CGS Staff)		0	0 0	0 0	0 0	0	0 0	0 0	0 0	0	0 0	0	0 0	0 0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 0) 0	0	0 0	0 0) 0	0 0	0	0
	SJE Tagage Countriel		80	0 0	0 0	0 0	0	0 0	0 0	0 0	0	0 0	0	0 0	0 0	20	20 40	0	0 0	0	0 0	0	0 0	0	0 0		0		0 0		$\begin{array}{c c} 0 & 0 \\ \hline 0 & 0 \\ \hline \end{array}$		0
	Tesco Controls (TBD QC Mgr)		80				0			0 0	0		0	0 0		20	20 40	0		0	0 0	0	0 0	0	0 0								0
	Soraya Cleveland		0	0 0	0 0	0 0	0	0 0	0 0	0 0	0	0 0	0	0 0	0 0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 0		0) 0	0 0		0
			4,915	89 104	81 32	125 126	128 1	1/6 115	140 164	1 102 33	2 3/	12 36	72 \$	81 86	232 19/	1 301	316 320	9/	35 30	51	50 64	37	10 38	/18	25 69	8 13/	190 1	15 118	102 8	2 82	51 7/	4 70	62

			Week Ei	nding:																																							
Resource	Task Number	Total Scheduled Hours	09-Jul-21	16-Jul-21	23-Jul-21	30-Jul-21	06-Aug-21	13-Aug-21 20-Aug-21	27-Aug-21	03-Sep-21	10-Sep-21	17-Sep-21	24-Sep-21 01-Oct-21	08-Oct-21	15-0ct-21	22-Oct-21	29-Oct-21	05-Nov-21	12-V0V-21	12-NOV-21 26-Nov-21	03-Dec-21	10-Dec-21	17-Dec-21	24-Dec-21	31-Dec-21	07-Jan-22	14-Jan-22	21-Jan-22 28-Jan-22	04-Feb-22	11-Feb-22	18-Feb-22	25-Feb-22 04-Mar-22	11-Mar-22	18-Mar-22	25-Mar-22	01-Apr-22	08-Apr-22	15-Apr-22	22-Apr-22	29-Apr-22 06-May-22	13-May-22	20-May-22	27-May-22 03-Jun-22
Brett Henderson	4.42	48	0	0	0	0	0	0 0	0	0	4	8	4 0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0 8	8	8	8	0 0	0	0	0	0	0	0	0	0 0	0	0	0 0
Mike Gaskamp	4.50	8	0	0	0	0	0	0 0	0	0	0	0	0 0	0	0	0	0	0	0	0 0	0	8	0	0	0	0	0	0 0	0	0	0	0 0	0	0	0	0	0	0	0	0 0	0	0	0 0
Dave Backman	4.50	2	0	0	0	0	0	0 0	0	0	0	0	0 0	0	0	0	0	0	0	0 0	2	0	0	0	-	0	0	0 0	0	0	0	0 0	0	-	0	0	0	0	0	0 0	0	0	0 0
Corey Maxfield	4.50 4.50	4	0	0	0	0	0	0 0	0	0	0	0		0	0	0	0	0	0		2	2	0	0	0	0	0	0 0	0	0	0	0 0	0	0	0	0	0	0	0	0 0	0		0 0
Brett Henderson (s) Dave Backman	4.50	6	0	0	0	0	0		0	0	0	0		0	0	0	0	0			0	4	0	0	0	0	0	4 0	0	0	0			0	0	0	0	0	0		0	0	0 0
Corey Maxfield	4.51	10	0	0	0	0	0	0 0	0	0	0	0	0 0	0	0	0	0	0	0	0 0	4	2	0	0		0	0	4 0	0	0	0	0 0	0	0	0	0	0	0	0	0 0	0	0	0 0
Brett Henderson	4.51	16	0	0	0	0	0	0 0	0	0	0	0	0 0	0	0	0	0	0	0	0 0	4	4	0	0	0	0	0	8 0	0	0	0	0 0	0	0	0	0	0	0	0	0 0	0	0	0 0
Brad Sanders	4.51	16	0	0	0	0	0	0 0	0	0	0	0	0 0	0	0	0	0	0	0	0 0	8	8	0	0	-	0	0	0 0	0	0	0	0 0	0	-	0	0	0	0	0	0 0	0	0	0 0
(TBD Estimators)	4.51	32	0	0	0	0	0	0 0	0	0	0	0		0	0	0	0	0	0		16	16	0	0		0	0	0 0	0	0	0	0 0	0		0	0	0	0	0	0 0	0		0 0
Dave Backman Corey Maxfield	4.52 4.52	0 24	0	0	0	0	0			0	0	0		0	0	0	0	•		0 0 0 0	0	4	0	0	0	0	8	0 0	0	0	0		0	-	0	0	0	0	0		0	-	0 0
Brett Henderson	4.52	24	0	0	0	0	0	0 0	0	0	0	0	0 0	0	0	0	0	0	0		0	4	4	4	0	8	4	0 0	0	0	0	0 0	0		0	0	0	0	0	0 0	0	0	0 0
Dave Backman	4.60	32	0	0	0	0	0	0 0	0	0	0	0	0 0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0 0	0	0	0	0 0	0	4	4	4	4	4	0	0 0	4	4	4 0
Corey Maxfield	4.60	171	0	0	0	0	0	0 0	0	0	0	0	0 0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0 0	0	0	0	0 0	12	2 4	8	8	18	20	18	6 13	20	18	14 12
Brett Henderson	4.60	216	0	0	0	0	0	0 0	0	0	0	0	0 0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0 0	0	0	0	0 0	16	5 16	16	24	24	24	24	16 16	16	16	8 0
Brad Sanders	4.60	192	0	0	0	0	0	0 0		0	0	0	0 0	0	0	0	0	0	0	0 0	0	0	0	0	-	0	0	0 0	0	0	0	0 0			40	40			24	0 0	0	0	0 0
Mike Gaskamp (TBD Estimators)	4.60 4.60	24 152	0	0	0	0	0	0 0	Ŭ	0	0	0	0 0 0 0	0	0	0	0	0		0 0 0 0	0	0	0	0	-	0	0	0 0	0	0	0				0 24	0	•	0	0	8 8 0 0	8		0 0 0
(TBD Estimators) (TBD Clerk)	4.60	24	0	0	0	0	0	0 0		0	0	0		0	0	0	0	-	0		0	0	0	0	-	0	0	0 0	0	0	0				0	24		24	-	0 0	16 0		0 0 0
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Dave Backman	F 01	10	0	0	0	0	0	0 0	0	0	0	0	0 4	0		0	0	0	0		0	0	0	0	0	0	0	0 0	0	0		0 0		0	0	0	0	0	0	8 0	0		0 0
Dave Backman Corey Maxfield	5.01 5.01	12 20	0	0	0	•	•	0 0 0 0	-	0	-	•	0 4 0 4	-	0	0	0	-	•	0 0 0 0	-	0	0	4	-	0	-	0 0 0 0	0	0	0	4 0	-	-	0	0	-	0	•	8 0 8 0	0	0	0 0 0 0
		4,915			I							l			1	1																	I			<u> </u>						<u> </u>	
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Dave Backman		367	3	8	7	10	11	10 2	10	5	8	6	8 11	2	12	12	6	9	4 1	.2 8	13	10	6	0	3	4	11	8 8	7	8	8	4 3	4	8	10	11	6	8	2 :	16 3	12	6	12 12
Corey Maxfield		924	20	20	20	0	20	20 20	20	20	20	20 2	20 20	20	20	20	20	20 2	20 2	20 20	20	20	20	20	8	16	20	20 20	20	20	20	20 20) 20) 20	20	20	20	20	20	20 20	20	20	20 20
Brett Henderson		894	24	26	16	4	20	14 24	1 18	16	24	24 2	2 0	10	8	2	28	26 3	32 2	.6 32	34	32	32	24	6	8	18	12 18	8	10	8	6 0	26	5 32	30	32	26	24	26	20 18	16	18	12 2
Kiersten Lee		80	0	0	0	0	0	0 0	0	0	0	24	.6 0	0	0	0	0	0	0 1	.6 0	0	0	0	0	0	0	0	0 0	0	0	0	0 0	0	0	24	0	0	0	0	0 0	0	0	0 0
Mike Gaskamp		110	8	12	4	0	0	0 0	0	0	2	<u> </u>	4 0	0	0	0	0	0	0	0 0	4	16	8	0		0	0	0 0	0	0	0	0 0	0	Ű	0	0	0	0	0	8 8	8	0	0 0
Brad Sanders (TBD Estimators)		708	0 32	0	4 28	0	40	40 40	40	32	40			0	0	0	0	0	0 2	28 28 28 88	32 152	44	32 140	32 16	-	0	0	4 0 0 0	0	0	0		0		40	40	40	24	24 0	0 0	0 16	0	0 0
(TBD Estimators)		340	2	2	20	18	2	2 2	18	2	6	2	2 2	2	2	2	18	10 10	6	28 88 2 18		2	2	2	18	2	2	6 18	2	2	2	18 2	2	10	26	10	24	24	10	18 2	2	10	0 0 18 2
(TBD CGS Staff)		0	0	0	0	0	0	0 0	0	0	0	0	0 0	0	0	0	0		0		0	0	0	0		0	0	0 0	0	0	0	0 0	0		0	0	0	0	0	0 0	0	0	0 0
SJE		80	0	0	0	0	0	0 0	0	0	0	0	0 0	0	0	0	0	0	0	0 0	20		40	0	0	0	0	0 0	0	0	0	0 0	0	0	0	0	0	0	0	0 0	0	0	0 0
Tesco Controls		80	0	0	0	0	0	0 0	0	0	0	0	0 0	0	0	0	0	0	0	0 0	20	20	40	0		0	0	0 0	0	0	0	0 0	0		0	0	0	0	0	0 0	0		0 0
(TBD QC Mgr) Soraya Cleveland		0	0	0	0	0	0	0 0	0	0	0	0		0	0	0	0	0	0	00	0	0	0	0		0	-	0 0	0	0	0	0 0	0		0	0	0	0	0	0 0	0	-	0 0 0 0
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