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TW 18/19-112A

# DRAFT First Amended Agreement for Hydrologic and Hydraulic Engineering Support for the Lake Mendocino Forecast Informed Reservoir Operations Final Viability Assessment

This first amended agreement ("First Amended Agreement" or "Agreement") is by and between **Sonoma County Water Agency**, a body corporate and politic of the State of California ("Sonoma Water") and **HDR Engineering**, **Inc.**, a Nebraska corporation ("Consultant"). The Effective Date of this Agreement is the date the Agreement is last signed by the parties to the Agreement, unless otherwise specified in Paragraph 5.1.

### RECITALS

- A. Consultant certifies that it is a Nebraska corporation duly authorized to do business in the State of California, registered with the Secretary of State of California, and represents that it is a duly qualified and licensed engineering firm, experienced in hydraulic and hydrologic analysis and related services.
- B. Sonoma Water works with the United States Army Corps of Engineers (Corps) to operate water storage facilities at the Lake Mendocino Coyote Valley Dam.
- C. Forecast Informed Reservoir Operations (FIRO) is a proposed alternative management strategy that aims to use data from watershed monitoring and state of the art weather and water forecasting to adaptively manage reservoir storage levels by incorporating forecasts of available water.
- D. Lake Mendocino is the first pilot location to evaluate the feasibility of FIRO to meet the goals of improving water supply reliability without impairing flood protection to downstream communities.
- E. The Lake Mendocino FIRO Steering Committee (Steering Committee) consists of the University of California San Diego, Scripps Institute, Sonoma Water, California Department of Water Resources, Corps, National Oceanic and Atmospheric Administration, Bureau of Reclamation, and United States Geological Services.
- F. In October 2018, the Corps approved a major deviation request made by the Steering Committee to implement components of the PVA for water year 2019, and results of this limited implementation have supported the findings of the PVA.
- G. The Steering Committee has begun development of the Final Viability Assessment (FVA) to further analyze the feasibility of FIRO for Lake Mendocino and potentially make recommendations for permanent modification of the Lake Mendocino Water Control Manual.
- H. Sonoma Water desires Consultant to evaluate channel flow capacity downstream of Lake Mendocino and associated reservoir operational constraints.
- I. Sonoma Water also desires Consultant to design and evaluate a water control plan for Lake Mendocino that is similar to the forecast based approach that was developed for Folsom

- Reservoir. This plan will be included with other reservoir operations alternatives that will be evaluate in the FVA.
- J. Sonoma Water and Consultant first entered into this Agreement on July 23, 2019 (Original Agreement).
- K. This First Amended Agreement removes tasks from the Original Agreement that were determined to be lower priority and adds higher priority tasks that include modeling simulation and evaluation of FIRO alternatives.
- L. In addition, this First Amended Agreement increases the amount by \$270,000, for a new agreement total of \$700,000 and adds one year to the end date for a new term of March 31, 2022, to allow Consultant to continue providing hydrologic and hydraulic engineering support for Lake Mendocino FIRO final viability assessment.
- M. This First Amended Agreement supersedes all previous agreements between the parties.

In consideration of the foregoing recitals and the mutual covenants contained herein, the parties hereto agree as follows:

# **AGREEMENT**

# 1. RECITALS

1.1. The above recitals are true and correct.

### 2. **LIST OF EXHIBITS**

- 2.1. The following exhibits are attached hereto and incorporated herein:
  - a. Exhibit A: Scope of Work
  - b. Exhibit B: Schedule of Costs
  - c. Exhibit C: Estimated Budget for Scope of Work
  - d. Exhibit D: Insurance Requirements

# 3. **SCOPE OF SERVICES**

- 3.1. Consultant's Specified Services: Consultant shall perform the services described in Exhibit A (Scope of Work), within the times or by the dates provided for in Exhibit A and pursuant to Article 9 (Prosecution of Work). In the event of a conflict between the body of this Agreement and Exhibit A, the provisions in the body of this Agreement shall control.
- 3.2. Cooperation with Sonoma Water: Consultant shall cooperate with Sonoma Water in the performance of all work hereunder. Consultant shall coordinate the work with Sonoma Water's Project Manager. Contact information and mailing addresses:

Sonoma Water	Consultant
Project Manager: Chris Delaney	Contact: Michael Konieczki
404 Aviation Boulevard	2015 J Street, Suite 200

Sonoma Water	Consultant
Santa Rosa, CA 95403-9019	Sacramento, CA 95811
Phone: 707-547-1946	Phone: 916-447-8779
Email: <a href="mailto:cdelaney@scwa.ca.gov">cdelaney@scwa.ca.gov</a>	Email: Michael.Konieczki@hdrinc.com
Remit invoices to:	Remit payments to:
Accounts Payable	ACH/EFT Payments:
Same address as above or	Bank of America ML US
Email:	ABA# 081000032
ap_agreements@scwa.ca.gov	Account# 355004076604
	Or:
	PO Box 74008202
	Chicago, IL 60674-8202

3.3. Performance Standard and Standard of Care: Consultant hereby agrees that all its work will be performed and that its operations shall be conducted in accordance with the standards of a reasonable professional having specialized knowledge and expertise in the services provided under this Agreement and in accordance with all applicable federal, state and local laws, it being understood that acceptance of Consultant's work by Sonoma Water shall not operate as a waiver or release. Sonoma Water has relied upon the professional ability and training of Consultant as a material inducement to enter into this Agreement. If Sonoma Water determines that any of Consultant's work is not in accordance with such level of competency and standard of care, Sonoma Water, in its sole discretion, shall have the right to do any or all of the following: (a) require Consultant to meet with Sonoma Water to review the quality of the work and resolve matters of concern; (b) require Consultant to repeat the work at no additional charge until it is satisfactory; (c) terminate this Agreement pursuant to the provisions of Article 6 (Termination); or (d) pursue any and all other remedies at law or in equity.

### 3.4. Assigned Personnel:

- a. Consultant shall assign only competent personnel to perform work hereunder. In the event that at any time Sonoma Water, in its sole discretion, desires the removal of any person or persons assigned by Consultant to perform work hereunder, Consultant shall remove such person or persons immediately upon receiving written notice from Sonoma Water.
- b. Any and all persons identified in this Agreement or any exhibit hereto as the project manager, project team, or other professional performing work hereunder are deemed by Sonoma Water to be key personnel whose services were a material inducement to Sonoma Water to enter into this Agreement, and without whose services Sonoma Water would not have entered into this Agreement. Consultant shall not remove, replace, substitute, or otherwise change any key personnel without the prior written consent of Sonoma Water.

c. With respect to performance under this Agreement, Consultant shall employ the following key personnel:

Title	Name
Principal Hydrologic Engineer/ Vice President	David Ford
Senior Hydrologic Engineer	Michael Konieczki

d. In the event that any of Consultant's personnel assigned to perform services under this Agreement become unavailable due to resignation, sickness, or other factors outside of Consultant's control, Consultant shall be responsible for timely provision of adequately qualified replacements.

### 4. **PAYMENT**

- 4.1. *Total Costs:* Total costs under this Agreement shall not exceed \$700,000.
  - a. Total costs for Tasks 1-8 shall not exceed \$650,000.
  - b. Total costs for Optional Task 9, if requested in writing by Sonoma Water, shall not exceed \$50,000.
  - c. No more than \$617,500 will be paid until the draft report is submitted.
- 4.2. *Method of Payment:* Consultant shall be paid in accordance with Exhibit B (Schedule of Costs). Billed hourly rates shall include all costs for overhead and any other charges, other than expenses specifically identified in Exhibit B. Expenses not expressly authorized by the Agreement shall not be reimbursed.
- 4.3. *Invoices:* Consultant shall submit its bills in arrears on a monthly basis, based on work completed for the period, in a form approved by Sonoma Water. The bills shall show or include:
  - a. Consultant name
  - b. Name of Agreement
  - c. Sonoma Water's Project-Activity Code W0045D035
  - d. Task performed with an itemized description of services rendered by date
  - e. Summary of work performed by subconsultants, as described in Paragraph 14.4
  - f. Time in quarter hours devoted to the task
  - g. Hourly rate or rates of the persons performing the task
  - h. List of reimbursable materials and expenses
  - i. Copies of receipts for reimbursable materials and expenses
- 4.4. *Cost Tracking:* Consultant has provided an estimated breakdown of costs, included in Exhibit C (Estimated Budget for Scope of Work). Exhibit C will only be used as a tool to monitor progress of work and budget. Actual payment will be made as specified in Paragraph 4.2 above.
- 4.5. *Timing of Payments:* Unless otherwise noted in this Agreement, payments shall be made within the normal course of Sonoma Water business after presentation

of an invoice in a form approved by Sonoma Water for services performed. Payments shall be made only upon the satisfactory completion of the services as determined by Sonoma Water.

# 4.6. Taxes Withheld by Sonoma Water:

- a. Pursuant to California Revenue and Taxation Code (R&TC) section 18662, Sonoma Water shall withhold seven percent of the income paid to Consultant for services performed within the State of California under this Agreement, for payment and reporting to the California Franchise Tax Board, if Consultant does not qualify as: (1) a corporation with its principal place of business in California, (2) an LLC or Partnership with a permanent place of business in California, (3) a corporation/LLC or Partnership qualified to do business in California by the Secretary of State, or (4) an individual with a permanent residence in the State of California.
- b. If Consultant does not qualify, as described in Paragraph 4.6.a, Sonoma Water requires that a completed and signed Form 587 be provided by Consultant in order for payments to be made. If Consultant is qualified, as described in Paragraph 4.6.a, then Sonoma Water requires a completed Form 590. Forms 587 and 590 remain valid for the duration of the Agreement provided there is no material change in facts. By signing either form, Consultant agrees to promptly notify Sonoma Water of any changes in the facts. Forms should be sent to Sonoma Water pursuant to Article 15 (Method and Place of Giving Notice, Submitting Bills, and Making Payments) of this Agreement. To reduce the amount withheld, Consultant has the option to provide Sonoma Water with either a full or partial waiver from the State of California.

### 5. TERM OF AGREEMENT AND COMMENCEMENT OF WORK

- 5.1. *Term of Agreement:* 
  - a. The term of this Agreement shall be from July 23, 2019 ("Effective Date") to March 31, 2022, unless terminated earlier in accordance with the provisions of Article 6 (Termination).
  - b. Sonoma Water shall have two options to extend this Agreement for a period of one year each by providing written notice to Consultant thirty days in advance of the expiration date noted in Paragraph 5.1.a and of the first extension option.
- 5.2. *Commencement of Work:* Consultant is authorized to proceed immediately with the performance of this Agreement upon the Effective Date of this Agreement.

# 6. <u>TERMINATION</u>

6.1. Authority to Terminate: Sonoma Water's right to terminate may be exercised by Sonoma County Water Agency's General Manager.

- 6.2. *Termination Without Cause:* Notwithstanding any other provision of this Agreement, at any time and without cause, Sonoma Water shall have the right, in its sole discretion, to terminate this Agreement by giving 5 days written notice to Consultant.
- 6.3. Termination for Cause: Notwithstanding any other provision of this Agreement, should Consultant fail to perform any of its obligations hereunder, within the time and in the manner herein provided, or otherwise violate any of the terms of this Agreement, Sonoma Water may immediately terminate this Agreement by giving Consultant written notice of such termination, stating the reason for termination.
- 6.4. Delivery of Work Product and Final Payment Upon Termination: In the event of termination, Consultant, within 14 days following the date of termination, shall deliver to Sonoma Water all reports, original drawings, graphics, plans, studies, and other data or documents, in whatever form or format, assembled or prepared by Consultant or Consultant's subcontractors, consultants, and other agents in connection with this Agreement subject to Paragraph 12.9 and shall submit to Sonoma Water an invoice showing the services performed, hours worked, and copies of receipts for reimbursable expenses up to the date of termination.
- 6.5. Payment Upon Termination: Upon termination of this Agreement by Sonoma Water, Consultant shall be entitled to receive as full payment for all services satisfactorily rendered and reimbursable expenses properly incurred hereunder, an amount which bears the same ratio to the total payment specified in the Agreement as the services satisfactorily rendered hereunder by Consultant bear to the total services otherwise required to be performed for such total payment; provided, however, that if services are to be paid on a per-hour or per-day basis, then Consultant shall be entitled to receive as full payment an amount equal to the number of hours or days actually worked prior to termination multiplied by the applicable hourly or daily rate; and further provided, however, that if Sonoma Water terminates the Agreement for cause pursuant to Paragraph 6.3, Sonoma Water shall deduct from such amounts the amount of damage, if any, sustained by Sonoma Water by virtue of the breach of the Agreement by Consultant.

# 7. **INDEMNIFICATION**

7.1. Consultant agrees to accept responsibility for loss or damage to any person or entity, including Sonoma County Water Agency, and to defend, indemnify, hold harmless, and release Sonoma County Water Agency, its officers, agents, and employees, from and against any actions, claims, damages, liabilities, disabilities, or expenses, that may be asserted by any person or entity, including Consultant, that arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of Consultant or its agents, employees, contractors, subcontractors,

or invitees hereunder, whether or not there is concurrent or contributory negligence on Sonoma County Water Agency's part, but, to the extent required by law, excluding liability due to Sonoma County Water Agency's conduct. This indemnification obligation is not limited in any way by any limitation on the amount or type of damages or compensation payable to or for Consultant or its agents under workers' compensation acts, disability benefits acts, or other employee benefit acts.

# 8. **INSURANCE**

8.1. With respect to performance of work under this Agreement, Consultant shall maintain and shall require all of its subcontractors, consultants, and other agents to maintain, insurance as described in Exhibit D (Insurance Requirements).

# 9. PROSECUTION OF WORK

9.1. Performance of the services hereunder shall be completed within the time required herein, provided, however, that if the performance is delayed by earthquake, flood, high water, or other Act of God or by strike, lockout, or similar labor disturbances, the time for Consultant's performance of this Agreement shall be extended by a number of days equal to the number of days Consultant has been delayed.

# 10. EXTRA OR CHANGED WORK

10.1. Extra or changed work or other changes to the Agreement may be authorized only by written amendment to this Agreement, signed by both parties. Changes to lengthen time schedules or make minor modifications to the scope of work, which do not increase the amount paid under the Agreement, may be executed by Sonoma County Water Agency's General Manager in a form approved by County Counsel. The parties expressly recognize that Sonoma Water personnel are without authorization to order all other extra or changed work or waive Agreement requirements. Failure of Consultant to secure such written authorization for extra or changed work shall constitute a waiver of any and all right to adjustment in the Agreement price or Agreement time due to such unauthorized work and thereafter Consultant shall be entitled to no compensation whatsoever for the performance of such work. Consultant further expressly waives any and all right or remedy by way of restitution and quantum meruit for any and all extra work performed without such express and prior written authorization of Sonoma Water.

# 11. <u>CONTENT ONLINE ACCESSIBILITY</u>

11.1. Accessibility: Sonoma Water policy requires that all documents that may be published to the Web meet accessibility standards to the greatest extent possible, and utilizing available existing technologies.

- 11.2. Standards: All consultants responsible for preparing content intended for use or publication on a Sonoma Water managed or Sonoma Water funded web site must comply with applicable federal accessibility standards established by 36 C.F.R. section 1194, pursuant to section 508 of the Rehabilitation Act of 1973, as amended (29 U.S.C. section 794(d)), and Sonoma Water's Web Site Accessibility Policy located at <a href="http://sonomacounty.ca.gov/Services/Web-Standards-and-Guidelines/">http://sonomacounty.ca.gov/Services/Web-Standards-and-Guidelines/</a>.
- 11.3. *Certification:* With each final receivable intended for public distribution (report, presentations posted to the Internet, public outreach materials), Consultant shall include a descriptive summary describing how all deliverable documents were assessed for accessibility (e.g., Microsoft Word accessibility check; Adobe Acrobat accessibility check, or other commonly accepted compliance check).
- 11.4. Alternate Format: When it is strictly impossible due to the unavailability of technologies required to produce an accessible document, Consultant shall identify the anticipated accessibility deficiency prior to commencement of any work to produce such deliverables. Consultant agrees to cooperate with Sonoma Water staff in the development of alternate document formats to maximize the facilitative features of the impacted document(s); e.g., embedding the document with alt-tags that describe complex data/tables.
- 11.5. Noncompliant Materials; Obligation to Cure: Remediation of any materials that do not comply with Sonoma Water's Web Site Accessibility Policy shall be the responsibility of Consultant. If Sonoma Water, in its sole and absolute discretion, determines that any deliverable intended for use or publication on any Sonoma Water managed or Sonoma Water funded Web site does not comply with Sonoma Water Accessibility Standards, Sonoma Water will promptly inform Consultant in writing. Upon such notice, Consultant shall, without charge to Sonoma Water, repair or replace the non-compliant materials within such period of time as specified by Sonoma Water in writing. If the required repair or replacement is not completed within the time specified, Sonoma Water shall have the right to do any or all of the following, without prejudice to Sonoma Water's right to pursue any and all other remedies at law or in equity:
  - a. Cancel any delivery or task order
  - b. Terminate this Agreement pursuant to the provisions of Article 6 (Termination); and/or
  - c. In the case of custom Electronic and Information Technology (EIT) developed by Consultant for Sonoma Water, Sonoma Water may have any necessary changes or repairs performed by itself or by another contractor. In such event, Consultant shall be liable for all expenses incurred by Sonoma Water in connection with such changes or repairs.
- 11.6. Sonoma Water's Rights Reserved: Notwithstanding the foregoing, Sonoma Water may accept deliverables that are not strictly compliant with Sonoma Water Accessibility Standards if Sonoma Water, in its sole and absolute

discretion, determines that acceptance of such products or services is in Sonoma Water's best interest.

# 12. REPRESENTATIONS OF CONSULTANT

- 12.1. Status of Consultant: The parties intend that Consultant, in performing the services specified herein, shall act as an independent contractor and shall control the work and the manner in which it is performed. Consultant is not to be considered an agent or employee of Sonoma Water and is not entitled to participate in any pension plan, worker's compensation plan, insurance, bonus, or similar benefits Sonoma Water provides its employees. In the event Sonoma Water exercises its right to terminate this Agreement pursuant to Article 6 (Termination), Consultant expressly agrees that it shall have no recourse or right of appeal under rules, regulations, ordinances, or laws applicable to employees.
- 12.2. No Suspension or Debarment: Consultant warrants that it is not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in covered transactions by any federal department or agency. Consultant also warrants that it is not suspended or debarred from receiving federal funds as listed in the List of Parties Excluded from Federal Procurement or Non-procurement Programs issued by the General Services Administration.
- 12.3. Taxes: Consultant agrees to file federal and state tax returns and pay all applicable taxes on amounts paid pursuant to this Agreement and shall be solely liable and responsible to pay such taxes and other obligations, including, but not limited to, state and federal income and FICA taxes. Consultant agrees to indemnify and hold Sonoma Water harmless from any liability which it may incur to the United States or to the State of California or to any other public entity as a consequence of Consultant's failure to pay, when due, all such taxes and obligations. In case Sonoma Water is audited for compliance regarding any withholding or other applicable taxes, Consultant agrees to furnish Sonoma Water with proof of payment of taxes on these earnings.
- 12.4. Records Maintenance: Consultant shall keep and maintain full and complete documentation and accounting records concerning all services performed that are compensable under this Agreement and shall make such documents and records available to Sonoma Water for inspection at any reasonable time. Consultant shall maintain such records for a period of four (4) years following completion of work hereunder.
- 12.5. Conflict of Interest: Consultant covenants that it presently has no interest and that it will not acquire any interest, direct or indirect, that represents a financial conflict of interest under state law or that would otherwise conflict in any manner or degree with the performance of its services hereunder. Consultant further covenants that in the performance of this Agreement no person having any such interests shall be employed. In addition, if required by law or

- requested to do so by Sonoma Water, Consultant shall submit a completed Fair Political Practices Commission Statement of Economic Interests (Form 700) with Sonoma Water within 30 calendar days after the Effective Date of this Agreement and each year thereafter during the term of this Agreement, or as required by state law.
- 12.6. Statutory Compliance/Living Wage Ordinance: Consultant agrees to comply, and to ensure compliance by its subconsultants or subcontractors, with all applicable federal, state and local laws, regulations, statutes and policies, including but not limited to the County of Sonoma Living Wage Ordinance, applicable to the services provided under this Agreement as they exist now and as they are changed, amended or modified during the term of this Agreement. Without limiting the generality of the foregoing, Consultant expressly acknowledges and agrees that this Agreement is subject to the provisions of Article XXVI of Chapter 2 of the Sonoma County Code, requiring payment of a living wage to covered employees. Noncompliance during the term of the Agreement will be considered a material breach and may result in termination of the Agreement or pursuit of other legal or administrative remedies.
- 12.7. Nondiscrimination: Consultant shall comply with all applicable federal, state, and local laws, rules, and regulations in regard to nondiscrimination in employment because of race, color, ancestry, national origin, religion, sex, marital status, age, medical condition, pregnancy, disability, sexual orientation or other prohibited basis. All nondiscrimination rules or regulations required by law to be included in this Agreement are incorporated herein by this reference.
- 12.8. Assignment of Rights: Consultant assigns to Sonoma Water all rights throughout the world in perpetuity in the nature of copyright, trademark, patent, right to ideas, in and to all versions of the plans and specifications, if any, now or later prepared by Consultant in connection with this Agreement. Consultant agrees to take such actions as are necessary to protect the rights assigned to Sonoma Water in this Agreement, and to refrain from taking any action which would impair those rights. Consultant's responsibilities under this provision include, but are not limited to, placing proper notice of copyright on all versions of the plans and specifications as Sonoma Water may direct, and refraining from disclosing any versions of the plans and specifications to any third party without first obtaining written permission of Sonoma Water. Consultant shall not use or permit another to use the plans and specifications in connection with this or any other project without first obtaining written permission of Sonoma Water.
- 12.9. Ownership and Disclosure of Work Product: All reports, original drawings, graphics, plans, studies, and other data or documents ("documents"), in whatever form or format, assembled or prepared by Consultant or Consultant's subcontractors, consultants, and other agents in connection with this Agreement shall be the property of Sonoma Water. Sonoma Water shall be entitled to immediate possession of such documents upon completion of the work pursuant

to this Agreement. Upon expiration or termination of this Agreement, Consultant shall promptly deliver to Sonoma Water all such documents, which have not already been provided to Sonoma Water in such form or format as Sonoma Water deems appropriate. Such documents shall be and will remain the property of Sonoma Water without restriction or limitation. Consultant may retain copies of the above described documents but agrees not to disclose or discuss any information gathered, discovered, or generated in any way through this Agreement without the express written permission of Sonoma Water.

### 13. <u>DEMAND FOR ASSURANCE</u>

13.1. Each party to this Agreement undertakes the obligation that the other's expectation of receiving due performance will not be impaired. When reasonable grounds for insecurity arise with respect to the performance of either party, the other may in writing demand adequate assurance of due performance and until such assurance is received may, if commercially reasonable, suspend any performance for which the agreed return has not been received. "Commercially reasonable" includes not only the conduct of a party with respect to performance under this Agreement, but also conduct with respect to other agreements with parties to this Agreement or others. After receipt of a justified demand, failure to provide within a reasonable time, but not exceeding thirty (30) days, such assurance of due performance as is adequate under the circumstances of the particular case is a repudiation of this Agreement. Acceptance of any improper delivery, service, or payment does not prejudice the aggrieved party's right to demand adequate assurance of future performance. Nothing in this Article 13 limits Sonoma Water's right to terminate this Agreement pursuant to Article 6 (Termination).

# 14. <u>ASSIGNMENT AND DELEGATION</u>

- 14.1. *Consent:* Neither party hereto shall assign, delegate, sublet, or transfer any interest in or duty under this Agreement without the prior written consent of the other, and no such transfer shall be of any force or effect whatsoever unless and until the other party shall have so consented.
- 14.2. *Subcontracts:* Notwithstanding the foregoing, Consultant may enter into subcontracts with the subconsultants specifically identified herein. If no subconsultants are listed, then no subconsultants will be utilized in the performance of the work specified in this Agreement.
- 14.3. Change of Subcontractors or Subconsultants: If, after execution of the Agreement, parties agree that subconsultants not listed in Paragraph 14.2 will be utilized, Consultant may enter into subcontracts with subconsultants to perform other specific duties pursuant to the provisions of this Paragraph 14.3. The

following provisions apply to any subcontract entered into by Consultant other than those listed in Paragraph 14.2:

- a. Prior to entering into any contract with subconsultant, Consultant shall obtain Sonoma Water approval of subconsultant.
- b. All agreements with subconsultants shall (a) contain indemnity requirements in favor of Sonoma Water in substantially the same form as that contained in Article 7 (Indemnification), (b) contain language that the subconsultant may be terminated with or without cause upon reasonable written notice, and (c) prohibit the assignment or delegation of work under the agreement to any third party.
- 14.4. Summary of Subconsultants' Work: Consultant shall provide Sonoma Water with a summary of work performed by subconsultants with each invoice submitted under Paragraph 4.3. Such summary shall identify the individuals performing work on behalf of subconsultants and the total amount paid to subconsultant, broken down by the tasks listed in the Scope of Work.

# 15. METHOD AND PLACE OF GIVING NOTICE, SUBMITTING BILLS, AND MAKING PAYMENTS

- 15.1. *Method of Delivery:* All notices, bills, and payments shall be made in writing and shall be given by personal delivery, U.S. Mail, courier service, or electronic means. Notices, bills, and payments shall be addressed as specified in Paragraph 3.2.
- 15.2. Receipt: When a notice, bill, or payment is given by a generally recognized overnight courier service, the notice, bill, or payment shall be deemed received on the next business day. When a copy of a notice, bill, or payment is sent by electronic means, the notice, bill, or payment shall be deemed received upon transmission as long as (1) the original copy of the notice, bill, or payment is deposited in the U.S. mail and postmarked on the date of the electronic transmission (for a payment, on or before the due date), (2) the sender has a written confirmation of the electronic transmission, and (3) the electronic transmission is transmitted before 5 p.m. (recipient's time). In all other instances, notices, bills, and payments shall be effective upon receipt by the recipient. Changes may be made in the names and addresses of the person to whom notices are to be given by giving notice pursuant to this Article 15.

### 16. MISCELLANEOUS PROVISIONS

16.1. *No Bottled Water:* In accordance with Sonoma Water Board of Directors Resolution No. 09-0920, dated September 29, 2009, no Sonoma Water funding shall be used to purchase single-serving, disposable water bottles for use in Sonoma Water facilities or at Sonoma Water-sponsored events. This restriction shall not apply when potable water is not available.

- 16.2. No Waiver of Breach: The waiver by Sonoma Water of any breach of any term or promise contained in this Agreement shall not be deemed to be a waiver of such term or promise or any subsequent breach of the same or any other term or promise contained in this Agreement.
- 16.3. Construction: To the fullest extent allowed by law, the provisions of this Agreement shall be construed and given effect in a manner that avoids any violation of statute, ordinance, regulation, or law. The parties covenant and agree that in the event that any provision of this Agreement is held by a court of competent jurisdiction to be invalid, void, or unenforceable, the remainder of the provisions hereof shall remain in full force and effect and shall in no way be affected, impaired, or invalidated thereby. Consultant and Sonoma Water acknowledge that they have each contributed to the making of this Agreement and that, in the event of a dispute over the interpretation of this Agreement, the language of the Agreement will not be construed against one party in favor of the other. Consultant and Sonoma Water acknowledge that they have each had an adequate opportunity to consult with counsel in the negotiation and preparation of this Agreement.
- 16.4. *Consent:* Wherever in this Agreement the consent or approval of one party is required to an act of the other party, such consent or approval shall not be unreasonably withheld or delayed.
- 16.5. *No Third-Party Beneficiaries:* Except as provided in Article 7 (Indemnification), nothing contained in this Agreement shall be construed to create and the parties do not intend to create any rights in third parties.
- 16.6. Applicable Law and Forum: This Agreement shall be construed and interpreted according to the substantive law of California, regardless of the law of conflicts to the contrary in any jurisdiction. Any action to enforce the terms of this Agreement or for the breach thereof shall be brought and tried in Santa Rosa or in the forum nearest to the City of Santa Rosa, in the County of Sonoma.
- 16.7. *Captions:* The captions in this Agreement are solely for convenience of reference. They are not a part of this Agreement and shall have no effect on its construction or interpretation.
- 16.8. Merger: This writing is intended both as the final expression of the Agreement between the parties hereto with respect to the included terms and as a complete and exclusive statement of the terms of the Agreement, pursuant to Code of Civil Procedure section 1856. Each Party acknowledges that, in entering into this Agreement, it has not relied on any representation or undertaking, whether oral or in writing, other than those which are expressly set forth in this Agreement. No modification of this Agreement shall be effective unless and until such modification is evidenced by a writing signed by both parties.

16.9.	Survival of Terms: All express representations, waivers, indemnifications, and
	limitations of liability included in this Agreement will survive its completion or
	termination for any reason.

16.10. *Time of Essence:* Time is and shall be of the essence of this Agreement and every provision hereof.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the date last signed by the parties to the Agreement.

Reviewed as to funds:	TW 18/19-112A
Ву:	
Sonoma County Water Agency	
Division Manager - Administrative	
Services	
Approved as to form:	
Ву:	
By: Verne Ball, Deputy County Counsel	
Insurance Documentation is on file with Sonoma Water	
Date/TW Initials: 3/16/20 JES	
Sonoma County Water Agency	HDR Engineering, Inc., a Nebraska corporation
Ву:	Ву:
Grant Davis	
General Manager Authorized per Sonoma County Water	(Please print name here)
Agency's Board of Directors Action on	(Flease plint hame here)
May 12, 2020	
	Title:
Date:	Date:

# Exhibit A

### Scope of Work

# 1. TASKS

- 1.1. Task 1: Hydrology Dataset and Consequence Modeling Information Development
  - a. Develop baseline hydrologic datasets and frequency information to serve as the basis for assessing the performance of the alternatives.
  - b. Assess the forecast skill in the watershed using the ensemble hindcast datasets developed by the California Nevada River Forecast Center and provided by Sonoma Water. Develop plots of observed volumes versus hindcast non-exceedance volumes for a variety of durations and events.
  - c. Obtain from Sonoma Water existing Russian River HEC-ResSim model developed by the Corps Hydrologic Engineering Center to provide baseline system information.
  - d. Develop information required for expected annual damage (EAD) analysis. Coordinate with Sonoma Water to identify index points and damage reaches where consequences should be evaluated. Develop a detailed analysis plan to compute expected annual consequences. Develop the HEC-FDA models required to compute consequences at the identified locations.
  - e. Prepare technical memorandum documenting findings, describing the analysis plan, and the final hydrologic dataset.
  - f. Reviews and Final Submittals: Submit drafts and final submittals in accordance with Paragraph 2 below, Reviews and Final Submittals.

Deliverable	Due Date
Draft Technical Memorandum	April 20, 2020
Final Technical Memorandum	Within 2 weeks of receiving comments
	from Sonoma Water

- 1.2. Task 2: Design, Develop, and Test Software Applications to Apply Selected Metrics.
  - a. Develop scripts to extract information from HEC-DSS and provide to Sonoma Water with the associated configuration files.
  - b. Store results in Excel or database format given the metrics specified in the Lake Mendocino FVA Hydrologic Engineering Management Plan (HEMP).

Deliverable	Due Date
Scripts and associated configuration	May 1, 2020
files	

1.3. Task 3: Provide HEC- ResSim and HEC-RAS Modeling Support

 a. Provide modeling support to Sonoma Water via email and in-person for simulation of alternative performance using HEC-ResSim and HEC-RAS models.

### 1.4. Task 4: Evaluate Each Alternative

- a. Using results of simulation described in Task 3, evaluate each alternative in terms of identified performance metrics:
  - Coordinate HEC-ResSim and HEC-RAS simulation results with Sonoma Water and Corps.
  - ii. Compute performance metrics: Existing WCP (Baseline).
  - iii. Compute performance metrics: Ensemble Forecast Operations (EFO).
  - iv. Compute performance metrics: WY19 hybrid (Major Deviation #1).
  - v. Compute performance metrics: Additional hybrid.
  - vi. Compute performance metrics: 5-day single value based forecast.
  - vii. For tasks ii-iv, include the following steps:
    - a) Compute annual maximum frequencies and durations using scripts developed in Task 2. (M1-M7, M10-M13, M15-M16)
    - b) Compute expected annual consequences (M8-M9)
      - i) Configure HEC-FIA model and compute damages for the 31 flood events in the period of record.
      - ii) Configure HEC-FIA model and compute damages for the nine design events.
      - iii) Develop HEC-FDA input (stage-frequency and stage-damage functions + associated uncertainties)
      - iv) Configure HEC FDA model.
      - v) Compute event-specific expected consequences.
      - vi) Compute expected consequences for the alternative.
    - c) Prepare a technical memorandum documenting findings and analyses.
    - d) Complete an internal QC review.
- b. Reviews and Final Submittals: Submit drafts and final submittals in accordance with Paragraph 2 below, Reviews and Final Submittals.

Deliverable	Due Date
Draft Technical Memorandum	May 4, 2020
Final Technical Memorandum	Within 2 weeks of receiving comments
	from Sonoma Water

### 1.5. Task 5: Compare the Alternatives by Comparing the Metrics

a. Using results from Task 2, prepare charts and tables to compare performance of strategies.

- b. Prepare technical memorandum outlining simulation, evaluation, and comparison of alternatives.
- c. Reviews and Final Submittals: Submit drafts and final submittals in accordance with Paragraph 2 below, Reviews and Final Submittals.

Deliverable	Due Date
Draft Technical Memorandum	May 11, 2020
Final Technical Memorandum	Within 2 weeks of receiving comments
	from Sonoma Water

### 1.6. Task 6: Select and Recommend Preferred Alternative

- a. Using results of comparison from Task 5, rank alternatives considering individual metrics identified in the HEMP study.
- **b.** During a one-day workshop, present comparisons and ranking to Sonoma Water, along with recommendation of the project deliver team.
- c. Prepare technical memorandum documenting the ranking process to and results of the ranking evaluation.
- d. Reviews and Final Submittals: Submit drafts and final submittals in accordance with Paragraph 2 below, Reviews and Final Submittals.

Deliverable	Due Date
Draft Technical Memorandum	May 12, 2020
Final Technical Memorandum	Within 2 weeks of receiving comments
	from Sonoma Water
Present Technical Memorandum to	June 5, 2020
Sonoma Water at one-day workshop	

### 1.7. Task 7: Robustness Testing

- a. Complete additional testing of existing WCP (Baseline) and four alternatives:
  - i. Coordinate HEC-ResSim and HEC-RAS simulation results with Sonoma Water and Corps.
  - ii. Evaluate routings of one scaled event (18-day duration 2005/2006 multiple peak pattern) and determine impact to non-consequence, frequency-based metrics: M1, M2, M3, M4, M5, M6, M7, and M15.
  - iii. Prepare technical memorandum outlining the testing and evaluation.
  - iv. Reviews and Final Submittals: Submit drafts and final submittals in accordance with Paragraph 2 below, Reviews and Final Submittals.

Deliverable	Due Date
Draft Technical Memorandum	July 1, 2020
Final Technical Memorandum	Within 2 weeks of receiving comments
	from Sonoma Water

- 1.8. Task 8: FVA Project Coordination
  - a. Participate in phone calls and in-person meetings as requested by Sonoma Water or the SC.
  - b. Provide to Sonoma Water copies of any materials developed as part of this coordination.

Deliverable	Due Date
Copies of materials	Within 1-week of coordination
	meeting, as needed

- 1.9. Optional Task 9: Additional Services
  - a. Do not proceed with this task unless requested in writing by Sonoma Water.
  - b. Perform additional services as requested by Sonoma Water to support the assessment. The additional services will be agreed to by Consultant and Sonoma Water and described in writing by Sonoma Water.
  - c. Optional task shall not include tasks or labor categories for which prevailing wages have been established.

Deliverable	Due Date
To be determined	To be determined

# 2. REVIEWS AND FINAL SUBMITTALS

- 2.1. Review. Submit to Sonoma Water for review.
  - a. First Draft: Prepare the deliverable(s) in draft form and submit to Sonoma Water for review and approval in accordance with the date listed for the deliverable. Sonoma Water will return the draft deliverable(s) to Consultant with comments or approval in writing.
  - b. Subsequent Draft(s): If Sonoma Water requests revisions, revise the draft deliverable(s) and resubmit the deliverable(s) for Sonoma Water approval.
- 2.2. Final: Following Sonoma Water approval and prior to Sonoma Water's acceptance of work under this Agreement, submit the final approved deliverable(s) to Sonoma Water in accordance with the date listed for the deliverable.

# 3. **DELIVERABLES**

- 3.1. Submit one electronic copy in PDF format (emailed, on CD or USB flash drive, or via internet) of each final deliverable to Sonoma Water.
- 3.2. Comply with requirements of Article 11 (Content Online Accessibility).

# **Exhibit B**

# **Schedule of Costs**

PERSONNEL	
Title	Hourly Rates
Principal Engineer VIII	\$307.35
Principal Engineer VII	\$218.86
Senior Engineer VI	\$202.43
Senior Engineer V	\$175.67
Engineer III	\$130.56
Senior Technical Specialist VI	\$169.70
Administrative	\$142.80
EXPENSES	
Item	Cost
Reproduction:	
Black & white (8.5 x 11)	\$0.08/page
Color (8.5 x 11)	\$0.89/page
Black & white (11 x 17)	\$0.16/page
Color (11 x 17)	\$1.78/page
Plotting black & white (22 x 34)	\$2.00/page
Plotting color (22 x 34)	\$15.00/page
Postage	at cost
Overnight mail	at cost
Mileage for personal car	\$0.56/mile
Maximum expenses per day	\$229.00
Consultant's airfare for meetings as necessary and requested by Sonoma Water's Project Manager	at cost, not to exceed \$600 per trip

**Exhibit C Estimated Budget for Scope of Work** 

No.   Task Description   Rate   307.35   \$ 218.86   \$ 202.46   \$ 175.67   \$ 130.56   \$ 169.70   \$ 142.80   \$				LStiiiia	teu bu	ugetic	i acop	e or wo	'I K					
Rates   \$ 307.5   \$ 218.60   \$ 202.40   \$ 175.07   \$ 130.50   \$ 160.70   \$ 142.00   \$ 14	Task				Sr engr VI	Sr engr V	Engr III		Admin	Total HDR	Total HDR	Total HDR	1	Γotal
Rates   \$ 307.5   \$ 218.60   \$ 202.40   \$ 175.07   \$ 130.50   \$ 160.70   \$ 142.00   \$ 14	No.	Task Description								Labor Hours	Labor (\$)	Expenses (\$)	C	ost (\$)
Table 1 - Provincing and defaulty the historical Dasies of the operational target of Long Case and Hopdom.  1			\$ 307.35	\$ 218.86	\$ 202.46	\$ 175.67	\$ 130.56	\$ 169.70	\$ 142.80					(*/
1   Coordinate with USACS: staff to orbital reseally available historical documentation on the operational target flow of 20 00 0 2 2 48 5 7,723 5 77 8	ask 1 - Inv													
1.1 Severe documentation on the operational target tax of 5,000 cfs.  1.2 Review accommentation on the operational Trast 1.1 0 6 6 9 20 0 2 32 \$4.7.70 \$ 7 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			olo at Hopi											
12   Review documentation obtained in Task 1.1   2   0   0   20   20   0   2   48   \$ 7,773   \$ 77   \$	1.1			4		12				16	\$2,983	\$ 77	\$	3,060
Table 2	1.2			2		8	20		2	32	\$4,740		\$	4,740
Team   Performance   Perform			0	6	0	20	20	0	2		\$ 7.723	\$ 77	\$	7,800
Review past hydrologic and hydraulic studies and other perfirment interpolating large lower and historical following hydrologic and hydraulic models of the area of interest   2   2   8   1   12   \$1,834   5	ask 2 - Inv		ect flows an	d stages on	the Russian I						,,,,,,			.,
Information regarding large flows and historical flooding in repland.														
2	2.1			2		16	40			58	\$8,471		\$	8,471
2.3 widesheld. 2.4 logiand, and the resolution at which flows are estimated within the 2 4 4 4 4 10 51,663 \$ \$  2.4 Develop hydrologic dataset from readily available streamgage information, 2 112 40 55 57,768 \$  2.5 Develop hydrologic dataset from readily available streamgage information, 2 112 40 55 55 57,768 \$  2.6 Complete since from the control of the control	2.2			2		2	8			12	\$1,834		\$	1,834
2.4 and identify events with large local flows for the region.  2.5 Apply existing HEC-RAS model developed by the U.S. Army Corps of Engineers Hydrologic Engineering Center to evaluate several reservoir release rates for potential flood inundated areas near Hopland.  2.6 Complete site visit to investigate potential hydraulic issues of concern.  2.7 develop work plan for enhanced analysis of operation objective flows  4. 16 24 24 4 72 \$11,464 \$ \$ 12,400 \$ 12,400 \$ \$ 12,400 \$ \$ 12,400 \$ \$ 12,400 \$ \$ 12,400 \$ \$ 12,400 \$ 12,400 \$ \$ 12,400 \$ \$ 12,400 \$ \$ 12,400 \$ \$ 12,400 \$ \$ 12,400 \$	2.3	Hopland., and the resolution at which flows are estimated within the		2		4	4			10	\$1,663		\$	1,663
2.6   Complete site visit to investigate potential hydraulic issues of concern.	2.4	and identify events with large local flows for the region.		2		12	40			54	\$7,768		\$	7,768
Prepare a draft technical memorandum (TM) documenting our findings and develop work plan for enhanced analysis of operation objective flows  2.8 Revise draft and submit final TM.  2.9 Complete an internal QC review.  2.9 Complete an internal QC review.  3.1 Develop baseline hydrologic datasets and frequency information to serve as the basis for assessing the performance of the alternatives.  3.1 Develop baseline hydrologic datasets and frequency information to serve as the definition of a "Folsom-like" WCP understanding the performance of the alternatives.  3.2 Determine the appropriate volume-duration and non-exceedance for use in the definition of a "Folsom-like" WCP using a range of events given a perfect forecast "conditions.  3.1 Develop from the proposed "Folsom-like" WCP using a range of events given a perfect forecast "conditions.  3.2 Develop "reservoir operations simulation models, test the proposed WCP using a range of events given a perfect forecast sing free from models, test the proposed WCP using a full range of events given a perfect forecast and refine rules as needed.  3.3 Develop information required for expected annual damage (EAD) analysis.  3.4 Test the operation of the proposed "VCP using a range of events given a perfect forecast and refine rules as a seeded.  3.5 Develop information required for expected annual damage (EAD) analysis.  3.6 Develop information required for expected annual damage (EAD) analysis.  3.7 And the metrics defined in the Lake Mendocino FVA Hydrologic Engineering Management Plan (HEMP).  3.8 Subtotal Task 4  3.9 Folsom-like "WCP using a services as requested by Sonoma Water to support the assessment of EAD sharp and the metric defined in the Lake Mendocino FVA Hydrologic Engineering Sharp and the metric defined in the Lake Mendocino FVA Hydrologic Engineering Sharp and Sharp and Sharp services as requested by Sonoma Water to support the assessment of EAD sharp and the metric defined in the Lake Mendocino FVA Hydrologic Engineering Sharp and Sharp and Sharp service	2.5	Engineers Hydrologic Engineering Center to evaluate several reservoir		8		32		60		100	\$17,554		\$	17,554
2.7 develop work plan for enhanced analysis of operation objective flows  2.8 Revise draft and submit final TM.  2.9 Complete an internal QC review.  3.1 Subtotal Task 2  3.1 Oevelop baseline hydrologic datasets and frequency information to serve as the definition of a "Folsom-like" WCP using a range of events given a perfect forecast and refine rules as needed.  3.1 Develop information of the proposed WCP  3.2 Develop folsom-like" WCP rules using 'perfect forecast' conditions.  3.2 Develop Folsom-like" WCP using a range of events given a perfect forecast and refine rules as needed.  3.4 Test the operation of the proposed Folsom-like "WCP using a range of events given a perfect forecast, and refine rules as needed.  3.6 Develop information required for expected annual damage (EAD) analysis.  3.7 Develop folsom-like "WCP including both the assessment of EAD and the metrics defined in the Lake Mendocino FVA.  3.8 Bell Alian Section of the proposed WCP and the proposed WCP are subjected for the proposed WCP and the proposed WCP are subjected for the proposed WCP and the proposed WCP are subjected for the proposed WCP and the proposed WCP are subjected for the proposed WCP and the proposed WCP are subjected for the proposed WCP and the proposed WCP are subjected for the proposed WCP and the proposed WCP are subjected for the proposed WCP and the metrics defined in the Lake Mendocino FVA Hydrologic Engineering Management Plan (HEMP).  3.6 Develop information required for expected annual damage (EAD) analysis.  3.7 and the metrics defined in the Lake Mendocino FVA Hydrologic Engineering Management Plan (HEMP).  3.8 Subtotal Task 4  3.9 Coptional Task 4  3.10 Coptional Task 5  3.	2.6	Complete site visit to investigate potential hydraulic issues of concern.		8		8				16	\$3,156	\$ 208	\$	3,364
2.9 Complete an internal QC review.    16   94   124   92   6   364   \$ 59,592   \$ 208   \$ 1	2.7			4		16	24	24	4	72	\$11,464		\$	11,464
2.9 Complete an internal QC review.    16   94   124   92   6   364   \$ 59,592   \$ 208   \$ 1	2.8	Revise draft and submit final TM.	2	2		4	8	8	2	26	\$4.443		S	4.443
Subtotal Task 2   2   30   16   94   124   92   6   364   \$ 59,592   \$ 208   \$ 5   5					16	-							\$	3,239
Task 3 - "Folsom-like" water control plan (WCP) alternative development and evaluation for the Lake Mendocino FVA.   25   40   130   288   64   10   561   \$87,526   \$8     31   Develop baseline hydrologic datasets and frequency information to serve as basis for assessing the performance of the alternatives.   32   Determine the appropriate volume-duration and non-exceedance for use in the definition of a "Folsom-like" WCP. Pulse using 'perfect forecast' conditions.   3   9   4   34   48   48   2   148   \$24,372   \$   2     33   Develop "Folsom-like" WCP rules using 'perfect forecast' conditions.   3   9   4   34   48   48   2   148   \$24,372   \$   2     34   Test the operation of the proposed "Folsom-like" WCP using a range of events given a perfect forecast and refine rules as needed.   3   4   Test the operation of the proposed WCP   Using reservoir operations simulation models, test the proposed WCP   Using a full range of events given a perfect forecast and refine rules as needed.   3   5   Using a full range of events given an uncertain forecast, and refine rules as needed.   3   8   8   42   72   32   2   167   \$26,787   \$   2     3   Second of the "Folsom-like" WCP including both the assessment of EAD and the metrics defined in the Lake Mendocino FVA Hydrologic Engineering Management Plan (HEMP).   4   Subtotal Task 3   20   84   132   419   962   340   29   1,986   \$   312,298   \$   - \$   \$   \$   \$   \$   \$   \$   \$		Subtotal Task 2	2	30	16	94	124	92	6	364	\$ 59,592	\$ 208	\$	59,800
3.1 Develop baseline hydrologic datasets and frequency information to serve as the basis for assessing the performance of the alternatives.  3.2 Determine the appropriate volume-duration and non-exceedance for use in the definition of a "Folsom-like" WCP.  3.3 Develop "Folsom-like" WCP.  3.4 Develop "Folsom-like" WCP using a range of events given a perfect forecast and refine rules as needed.  3.5 Develop information required for expected annual damage (EAD) analysis.  3.6 Develop information required for expected annual damage (EAD) analysis.  3.7 Evaluation of the "Folsom-like" WCP including both the assessment of EAD and the metrics defined in the Lake Mendocino FVA Hydrologic Engineering Management Plan (HEMP).  3.6 Subtotal Task 3  3.7 Develop information required for expected annual damage (EAD) analysis.  3.7 Subtotal Task 4  3.8 Subtotal Task 4  3.9 Canada 4  3.1 Subtotal Task 4  3.1 Subtotal Task 4  3.1 Subtotal Task 4  3.1 Subtotal Task 4  3.2 Subtotal Task 4  3.3 Develop information required for expected by Sonoma Water to support the assessment.  4.1 Subtotal Task 4  4. 25 40  40 130 288 64  40 10 561  \$87,526  \$88  64  40 10 561  \$87,526  \$88  64 10 561  \$87,526  \$88  64 10 561  \$87,526  \$88  64 10 561  \$87,526  \$88  64 10 561  \$87,526  \$88  64 10 0 561  \$87,526  \$88  64 10 0 561  \$87,526  \$88  64 10 0 561  \$87,626  \$88  64 10 0 561  \$87,626  \$88  64 10 0 561  \$87,626  \$88  64 10 0 561  \$87,626  \$88  64 10 0 561  \$87,626  \$88  64 10 0 561  \$87,626  \$88  \$88  64 10 0 561  \$87,626  \$88  \$88  \$89  \$90  \$90  \$16  \$87  \$90  \$90  \$90  \$90  \$90  \$90  \$90  \$9	ask 3 - "Fo	olsom-like" water control plan (WCP) alternative development and evalua	tion for the I	ake Mendoo	ino FVA.						,			,
3.2 the definition of a "Folsom-like" WCP.  3.3 Develop "Folsom-like" WCP rules using "perfect forecast" conditions.  3.4 Test the operation of the proposed "Folsom-like" WCP using a range of events given a perfect forecast and refine rules as needed.  3.5 Using reservoir operations simulation models, test the proposed WCP using a full range of events given an uncertain forecast, and refine rules as needed.  3.6 Develop information required for expected annual damage (EAD) analysis.  3.7 A and the metrics defined in the Lake Mendocino FVA Hydrologic Engineering Management Plan (HEMP).  3.8 B A A A B A B A A B A B A A B A B A B		Develop baseline hydrologic datasets and frequency information to serve as				130	288	64	10	561	\$87,526		\$	87,526
3.4 Test the operation of the proposed "Folsom-like" WCP using a range of events given a perfect forecast and refine rules as needed.  3.5 Using reservoir operations simulation models, test the proposed WCP using a full range of events given an uncertain forecast, and refine rules as needed.  3.6 Develop information required for expected annual damage (EAD) analysis.  1 15 32 67 226 76 6 423 \$65,099 \$ 102 \$ 60 \$ 100		the definition of a "Folsom-like" WCP.		_									\$	24,372
2   3.4   events given a perfect forecast and refine rules as needed.	3.3		3	10	24	72	176	32	4	321	\$49,598		\$	49,598
3.5 using a full range of events given an uncertain forecast, and refine rules as needed.  3.6 Develop information required for expected annual damage (EAD) analysis.  1 15 32 67 226 76 6 423 \$65,099 \$ 102 \$ 60 423 \$ 65,099 \$ 102 \$ 60 423 \$ 60 423 \$ 65,099 \$ 102 \$ 60 423 \$ 60 4	3.4	events given a perfect forecast and refine rules as needed.	1	7	8	30	72	16	2	136	\$21,130		\$	21,130
Evaluation of the "Folsom-like" WCP including both the assessment of EAD and the metrics defined in the Lake Mendocino FVA Hydrologic Engineering Management Plan (HEMP).  Subtotal Task 3 20 84 132 419 962 340 29 1,986 \$ 312,298 \$ - \$ 31 20 20 20 20 20 20 20 20 20 20 20 20 20	3.5	using a full range of events given an uncertain forecast, and refine rules as	3	8	8	42	72	32	2	167	\$26,787		\$	26,787
3.7 and the metrics defined in the Lake Mendocino FVA Hydrologic Engineering 5 10 16 44 80 72 3 230 \$37,786 \$ 3 3 2 30 \$37,786 \$ \$ 3 3 2 30 \$3 3 2 30 \$3 3 2 30 \$3 3 2 30 \$3 3 3 2 30 \$3 3 3 2 30 \$3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3.6		1	15	32	67	226	76	6	423	\$65,099	\$ 102	\$	65,201
Perform additional Services   4.1   Perform additional Services as requested by Sonoma Water to support the assessment.   Subtotal Task 4   6   16   16   80   122   64   4   308   \$49,999 \$   1   \$   5   5   5   5   5   5   5   5   5	3.7	and the metrics defined in the Lake Mendocino FVA Hydrologic Engineering Management Plan (HEMP).									·		\$	37,786
4.1 Perform additional services as requested by Sonoma Water to support the assessment.    Subtotal Task 4			20	84	132	419	962	340	29	1,986	\$ 312,298	\$ -	\$	312,400
Subtotal Task 4 6 16 16 80 122 64 4 308 \$ 49,999 \$ 1 \$ 5		Perform additional services as requested by Sonoma Water to support the	6	16	16	80	122	64	4	308	\$49,999	\$ 1	\$	50,000
20 425 454 542 4230 405 44 2705 \$ 420 542 \$ 220 \$			6	16	16	80	122	64	4	308	\$ 49,999	\$ 1	\$	50,000
	COLUMNIT	OTALS	28	136	164	613	1,228	496	41	2,706	\$ 429,612	\$286	\$ 4	30.000.00

### Exhibit D

### **Insurance Requirements**

With respect to performance of work under this Agreement, Consultant shall maintain and shall require all of its subcontractors, consultants, and other agents to maintain insurance as described below unless such insurance has been expressly waived by the attachment of a *Waiver of Insurance Requirements*. Any requirement for insurance to be maintained after completion of the work shall survive this Agreement.

Sonoma Water reserves the right to review any and all of the required insurance policies and/or endorsements, but has no obligation to do so. Failure to demand evidence of full compliance with the insurance requirements set forth in this Agreement or failure to identify any insurance deficiency shall not relieve Consultant from, nor be construed or deemed a waiver of, its obligation to maintain the required insurance at all times during the performance of this Agreement.

### 1. <u>INSURANCE</u>

- 1.1. Workers Compensation and Employers Liability Insurance
  - a. Required if Consultant has employees as defined by the Labor Code of the State of California.
  - b. If Consultant currently has no employees as defined by the Labor Code of the State of California, Consultant agrees to obtain the above-specified Workers Compensation and Employers' Liability insurance should employees be engaged during the term of this Agreement or any extensions of the term.

### 1.2. General Liability Insurance

- a. Commercial General Liability Insurance on a standard occurrence form, no less broad than Insurance Services Office (ISO) form CG 00 01.
- b. Minimum Limits: \$1,000,000 per Occurrence; \$2,000,000 General Aggregate; \$2,000,000 Products/Completed Operations Aggregate. The required limits may be provided by a combination of General Liability Insurance and Commercial Excess or Commercial Umbrella Liability Insurance. If Consultant maintains higher limits than the specified minimum limits, Sonoma Water requires and shall be entitled to coverage for the higher limits maintained by Consultant.
- c. Any deductible or self-insured retention shall be shown on the Certificate of Insurance. If the deductible or self-insured retention exceeds \$25,000 it must be approved in advance by Sonoma Water. Consultant is responsible for any deductible or self-insured retention and shall fund it upon Sonoma Water's written request, regardless of whether Consultant has a claim against the insurance or is named as a party in any action involving Sonoma Water.

- d. Sonoma County Water Agency, its officers, agents, and employees, shall be endorsed as additional insureds for liability arising out of operations by or on behalf of Consultant in the performance of this Agreement.
- e. The insurance provided to the additional insureds shall be primary to, and non-contributory with, any insurance or self-insurance program maintained by them.
- f. The policy definition of "insured contract" shall include assumptions of liability arising out of both ongoing operations and the products-completed operations hazard (broad form contractual liability coverage including the "f" definition of insured contract in Insurance Services Office form CG 00 01, or equivalent).
- g. The policy shall cover inter-insured suits between the additional insureds and Consultant and include a "separation of insureds" or "severability" clause which treats each insured separately.
- h. Required Evidence of Insurance:
  - i. Copy of the additional insured endorsement or policy language granting additional insured status, and
  - ii. Certificate of Insurance.

### 1.3. Automobile Liability Insurance

- a. Minimum Limit: \$1,000,000 combined single limit per accident. The required limit may be provided by a combination of Automobile Liability Insurance and Commercial Excess or Commercial Umbrella Liability Insurance.
- b. Insurance shall cover all owned autos. If Consultant currently owns no autos, Consultant agrees to obtain such insurance should any autos be acquired during the term of this Agreement or any extensions of the term.
- c. Insurance shall cover hired and non-owned autos.
- d. Required Evidence of Insurance: Certificate of Insurance.

# 1.4. Professional Liability/Errors and Omissions Insurance

- a. Minimum Limit: \$1,000,000 per claim or per occurrence; \$1,000,000 annual aggregate.
- b. Any deductible or self-insured retention shall be shown on the Certificate of Insurance. If the deductible or self-insured retention exceeds \$25,000 it must be approved in advance by Sonoma Water.
- c. If Consultant's services include: (1) programming, customization, or maintenance of software: or (2) access to individuals' private, personally identifiable information, the insurance shall cover:
  - i. Breach of privacy; breach of data; programming errors, failure of work to meet contracted standards, and unauthorized access; and
  - ii. Claims against Consultant arising from the negligence of Consultant, Consultant's employees and Consultant's subcontractors.

- d. If the insurance is on a Claims-Made basis, the retroactive date shall be no later than the commencement of the work.
- e. Coverage applicable to the work performed under this Agreement shall be continued for two (2) years after completion of the work. Such continuation coverage may be provided by one of the following: (1) renewal of the existing policy; (2) an extended reporting period endorsement; or (3) replacement insurance with a retroactive date no later than the commencement of the work under this Agreement.
- f. Required Evidence of Insurance: Certificate of Insurance specifying the limits and the claims-made retroactive date.

### 1.5. Standards for Insurance Companies

a. Insurers, other than the California State Compensation Insurance Fund, shall have an A.M. Best's rating of at least A:VII.

### 1.6. Documentation

- a. The Certificate of Insurance must include the following reference: TW 18/19-112A.
- b. All required Evidence of Insurance shall be submitted prior to the execution of this Agreement. Consultant agrees to maintain current Evidence of Insurance on file with Sonoma Water for the entire term of this Agreement and any additional periods if specified in Sections 1.1, 1.2, 1.3, or 1.4 above.
- c. The name and address for mailing Additional Insured endorsements and Certificates of Insurance is: Sonoma County Water Agency, 404 Aviation Boulevard, Santa Rosa, CA 95403-9019.
- d. Required Evidence of Insurance shall be submitted for any renewal or replacement of a policy that already exists, at least ten (10) days before expiration or other termination of the existing policy.
- e. Consultant shall provide immediate written notice if: (1) any of the required insurance policies is terminated; (2) the limits of any of the required policies are reduced; or (3) the deductible or self-insured retention is increased.
- f. Upon written request, certified copies of required insurance policies must be provided within thirty (30) days.

# 1.7. Policy Obligations

a. Consultant's indemnity and other obligations shall not be limited by the foregoing insurance requirements.

### 1.8. Material Breach

a. If Consultant fails to maintain insurance which is required pursuant to this
Agreement, it shall be deemed a material breach of this Agreement.
 Sonoma Water, at its sole option, may terminate this Agreement and obtain
damages from Consultant resulting from said breach. Alternatively, Sonoma
Water may purchase the required insurance, and without further notice to

Consultant, Sonoma Water may deduct from sums due to Consultant any premium costs advanced by Sonoma Water for such insurance. These remedies shall be in addition to any other remedies available to Sonoma Water.



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 05/17/2019

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Willis Towers Watson Midwest, Inc. fka Willis of Minnesota, Inc. c/o 26 Century Blvd	CONTACT NAME: PHONE (A/C, No, Ext): 1-877-945-7378 (A/C, No, Ext): (A/C, No, E	No): 1-888-467-2378			
P.O. Box 305191	E-MAIL ADDRESS: certificates@willis.com				
Nashville, TN 372305191 USA	INSURER(S) AFFORDING COVERAGE	NAIC#			
	INSURER A: Liberty Mutual Fire Insurance Comp	eany 23035			
NDP Engineering Tro	INSURER B: Ohio Casualty Insurance Company	24074			
	INSURER C: Liberty Insurance Corporation	42404			
	INSURER D:				
	INSURER E:				
	INSURER F:				

COVERAGES CERTIFICATE NUMBER: W11286879 REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR		TYPE OF INSURANCE	ADDL INSD	SUBR	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMIT	s	
	×	COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	\$	2,000,000
		CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$	1,000,000
A	×	Contractual Liability						MED EXP (Any one person)	\$	10,000
			Y	Y	TB2-641-444950-039	06/01/2019	06/01/2020	PERSONAL & ADV INJURY	\$	2,000,000
	GEN	I'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	\$	4,000,000
		POLICY X PRO- JECT X LOC					1	PRODUCTS - COMP/OP AGG	\$	4,000,000
		OTHER:							\$	
	AUT	OMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	\$	2,000,000
	×	ANY AUTO						BODILY INJURY (Per person)	\$	
Α		OWNED SCHEDULED AUTOS ONLY	Y	Y	AS2-641-444950-049	06/01/2019	06/01/2020	BODILY INJURY (Per accident)	\$	
		HIRED NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	\$	
									\$	
В	×	UMBRELLA LIAB X OCCUR						EACH OCCURRENCE	\$	5,000,000
-		EXCESS LIAB CLAIMS-MADE	Y	Y	EUO(20) 57919363	06/01/2019	06/01/2020	AGGREGATE	\$	5,000,000
		DED RETENTION \$							\$	
		KERS COMPENSATION EMPLOYERS' LIABILITY						× PER OTH-		
С	ANY	PROPRIETOR/PARTNER/EXECUTIVE	N/A	Y	645 444050 040	0.5 /0.5 /0.5 0	0.5 /01 /0000	E.L. EACH ACCIDENT	\$	1,000,000
	(Man	datory in NH)	NIA	-	WA7-64D-444950-019	06/01/2019	06/01/2020	E.L. DISEASE - EA EMPLOYEE	\$	1,000,000
	If yes	s, describe under CRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT	\$	1,000,000
									-	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Certificate Holder is named as Additional Insured on General Liability, Automobile Liability and Umbrella/Excess Liability on a Primary, Non-contributory basis where required by written contract. Waiver of Subrogation applies on General Liability, Automobile Liability, Umbrella/Excess Liability and Workers Compensation where required by written contract. Umbrella/Excess policy is Follows Form over General Liability, Auto Liability and Employers Liability.

Re: Agreement for Engineering and Design Services for Sonoma Booster Station Electrical Upgrade Project.

CERTIFICATE HOLDER	CANCELLATION
	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
Sonoma County Water Agency Attn: Rochelle Mueller	AUTHORIZED REPRESENTATIVE
404 Aviation Blvd.	alicia f. Pavelko
Santa Rosa, CA 95403-9019	The state of the s

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AGENCY CUSTOMER ID:		
LOC#		



# ADDITIONAL REMARKS SCHEDULE

Page 2 of 2

AGENCY		NAMED INSURED
Willis Towers Watson Midwest, Inc. fka Willis of Minnesota, Inc.		HDR Engineering, Inc. 1917 South 67th Street
POLICY NUMBER	,	Omaha, NE 68106
See Page 1		
CARRIER	NAIC CODE	
See Page 1	See Page 1	EFFECTIVE DATE: See Page 1
ADDITIONAL REMARKS		
THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACC	ORD FORM,	
FORM NUMBER: 25 FORM TITLE: Certificate of	Liability	Insurance
Additional Insureds: Sonoma County Water Agency,	its office	rs, agents, and employees.

ACORD 101 (2008/01)

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SR ID: 17984041

BATCH: 1204863

CERT: W11286879

Policy Number: TB2-641-444950-039

### THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

# DESIGNATED LOCATION(S) GENERAL AGGREGATE LIMIT

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

### **SCHEDULE**

Designated Location(s):

All locations owned by or rented to the Named Insured

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

- A. For all sums which the insured becomes legally obligated to pay as damages caused by "occurrences" under Section I Coverage A, and for all medical expenses caused by accidents under Section I Coverage C, which can be attributed only to operations at a single designated "location" shown in the Schedule above:
  - A separate Designated Location General Aggregate Limit applies to each designated "location", and that limit is equal to the amount of the General Aggregate Limit shown in the Declarations.
  - 2. The Designated Location General Aggregate Limit is the most we will pay for the sum of all damages under Coverage A, except damages because of "bodily injury" or "property damage" included in the "products-completed operations hazard", and for medical expenses under Coverage C regardless of the number of:
    - a. Insureds;

- b. Claims made or "suits" brought; or
- **c.** Persons or organizations making claims or bringing "suits".
- 3. Any payments made under Coverage A for damages or under Coverage C for medical expenses shall reduce the Designated Location General Aggregate Limit for that designated "location". Such payments shall not reduce the General Aggregate Limit shown in the Declarations nor shall they reduce any other Designated Location General Aggregate Limit for any other designated "location" shown in the Schedule above.
- 4. The limits shown in the Declarations for Each Occurrence, Damage To Premises Rented To You and Medical Expense continue to apply. However, instead of being subject to the General Aggregate Limit shown in the Declarations, such limits will be subject to the applicable Designated Location General Aggregate Limit.

- B. For all sums which the insured becomes legally obligated to pay as damages caused by "occurrences" under Section I Coverage A, and for all medical expenses caused by accidents under Section I Coverage C, which cannot be attributed only to operations at a single designated "location" shown in the Schedule above:
  - Any payments made under Coverage A for damages or under Coverage C for medical expenses shall reduce the amount available under the General Aggregate Limit or the Products-completed Operations Aggregate Limit, whichever is applicable; and
  - 2. Such payments shall not reduce any Designated Location General Aggregate Limit.
- C. When coverage for liability arising out of the "products-completed operations hazard" is provided, any payments for damages because of "bodily injury" or "property damage" included in the "products-completed operations hazard" will reduce the Products-completed Operations Aggregate Limit, and not reduce the General Aggregate Limit nor the Designated Location General Aggregate Limit.
- **D.** For the purposes of this endorsement, the **Definitions** Section is amended by the addition of the following definition:
  - "Location" means premises involving the same or connecting lots, or premises whose connection is interrupted only by a street, roadway, waterway or right-of-way of a railroad.
- E. The provisions of Section III Limits Of Insurance not otherwise modified by this endorsement shall continue to apply as stipulated.

Policy Number: TB2-641-444950-039

### THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

# DESIGNATED CONSTRUCTION PROJECT(S) GENERAL AGGREGATE LIMIT

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

### **SCHEDULE**

**Designated Construction Project(s):** 

All construction projects not located at premises owned, leased or rented by a Named Insured

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

- A. For all sums which the insured becomes legally obligated to pay as damages caused by "occurrences" under Section I Coverage A, and for all medical expenses caused by accidents under Section I Coverage C, which can be attributed only to ongoing operations at a single designated construction project shown in the Schedule above:
  - A separate Designated Construction Project General Aggregate Limit applies to each designated construction project, and that limit is equal to the amount of the General Aggregate Limit shown in the Declarations.
  - 2. The Designated Construction Project General Aggregate Limit is the most we will pay for the sum of all damages under Coverage A, except damages because of "bodily injury" or "property damage" included in the "products-completed operations hazard", and for medical expenses under Coverage C regardless of the number of:
    - a. Insureds:
    - b. Claims made or "suits" brought; or
    - **c.** Persons or organizations making claims or bringing "suits".

- 3. Any payments made under Coverage A for damages or under Coverage C for medical expenses shall reduce the Designated Construction Project General Aggregate Limit for that designated construction project. Such payments shall not reduce the General Aggregate Limit shown in the Declarations nor shall they reduce any other Designated Construction Project General Aggregate Limit for any other designated construction project shown in the Schedule above.
- 4. The limits shown in the Declarations for Each Occurrence, Damage To Premises Rented To You and Medical Expense continue to apply. However, instead of being subject to the General Aggregate Limit shown in the Declarations, such limits will be subject to the applicable Designated Construction Project General Aggregate Limit.

- B. For all sums which the insured becomes legally obligated to pay as damages caused by "occurrences" under Section I Coverage A, and for all medical expenses caused by accidents under Section I Coverage C, which cannot be attributed only to ongoing operations at a single designated construction project shown in the Schedule above:
  - Any payments made under Coverage A for damages or under Coverage C for medical expenses shall reduce the amount available under the General Aggregate Limit or the Products-completed Operations Aggregate Limit, whichever is applicable; and
  - 2. Such payments shall not reduce any Designated Construction Project General Aggregate Limit.
- C. When coverage for liability arising out of the "products-completed operations hazard" is provided, any payments for damages because of "bodily injury" or "property damage" included in the "products-completed operations hazard" will reduce the Products-completed Operations Aggregate Limit, and not reduce the General Aggregate Limit nor the Designated Construction Project General Aggregate Limit.
- D. If the applicable designated construction project has been abandoned, delayed, or abandoned and then restarted, or if the authorized contracting parties deviate from plans, blueprints, designs, specifications or timetables, the project will still be deemed to be the same construction proiect.
- E. The provisions of Section III Limits Of Insurance not otherwise modified by this endorsement shall continue to apply as stipulated.

POLICY NUMBER: TB2-641-444950-039

# THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

# ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – SCHEDULED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

- A. Section II Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:
  - 1. Your acts or omissions; or
  - The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

#### However:

- The insurance afforded to such additional insured only applies to the extent permitted by law: and
- 2. If coverage provided to the additional insured is required by a c ontract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.
- **B.** With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring after:

- All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
- 2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.
- C. With respect to the insurance afforded to these additional insureds, the following is added to Section III Limits Of Insurance:

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

- 1. Required by the contract or agreement; or
- 2. Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

# SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s)	Location(s) Of Covered Operations
Any person or organization with whom you have agreed, through written contract, agreement or permit to provide additional insured coverage.	Any location where you have agreed, through writtencontract, agreement or permit, to provide additionalinsured coverage
Information required to complete this Schedule, if not sho	unumber of the shown in the Declarations.

POLICY NUMBER: TB2-641-444950-039

### THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

# ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – COMPLETED OPERATIONS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

#### SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s)	Location And Description Of Completed Operations				
Any person or organization to whom or to which you are required to provide additional insured status in a written contract, agreement or permit except where such contract or agreement is prohibited.	Any location where you have agreed, through written, contract, agreement or permit, to provide additional insured coverage for completed operations.				
Information required to complete this Schedule, if not sh	lown above, will be shown in the Declarations.				

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the location designated and described in the Schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

### However:

- The insurance afforded to such additional insured only applies to the extent permitted by law; and
- If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

- B. With respect to the insurance afforded to these additional insureds, the following is added to Section III Limits Of Insurance:
  - If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:
  - 1. Required by the contract or agreement; or
  - 2. Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

Policy Number TB2-641-444950-039 Issued by

# THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY. OTHER INSURANCE AMENDMENT – SCHEDULED ADDITIONAL INSURED

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART LIQUOR LIABILITY COVERAGE PART

### Schedule

Person or Organization:	Where required by written contract.

If you are obligated under a written agreement to provide liability insurance on a primary, excess, contingent, or any other basis for any person or organization shown in the Schedule of this endorsement that qualifies as an additional insured on this policy, this policy will apply solely on the basis required by such written agreement and Paragraph 4. Other Insurance of Section IV - Conditions will not apply. If the applicable written agreement does not specify on what basis the liability insurance will apply, the provisions of Paragraph 4. Other Insurance of Section IV - Conditions will govern. However, this insurance is excess over any other insurance available to the additional insured for which it is also covered as an additional insured by attachment of an endorsement to another policy providing coverage for the same "occurrence", claim or "suit".

### THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

# DESIGNATED INSURED FOR COVERED AUTOS LIABILITY COVERAGE

This endorsement modifies insurance provided under the following:

AUTO DEALERS COVERAGE FORM BUSINESS AUTO COVERAGE FORM MOTOR CARRIER COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by this endorsement.

This endorsement identifies person(s) or organization(s) who are "insureds" for Covered Autos Liability Coverage under the Who Is An Insured provision of the Coverage Form. This endorsement does not alter coverage provided in the Coverage Form.

### **SCHEDULE**

### Name Of Person(s) Or Organization(s):

As required by written contract

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

Each person or organization shown in the Schedule is an "insured" for Covered Autos Liability Coverage, but only to the extent that person or organization qualifies as an "insured" under the Who Is An Insured provision contained in Paragraph A.1. of Section II – Covered Autos Liability Coverage in the Business Auto and Motor Carrier Coverage Forms and Paragraph D.2. of Section I – Covered Autos Coverages of the Auto Dealers Coverage Form.

# THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY. DESIGNATED INSURED - NONCONTRIBUTING

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM GARAGE COVERAGE FORM MOTOR CARRIERS COVERAGE FORM TRUCKERS COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by this endorsement.

This endorsement identifies person(s) or organization(s) who are "insureds" under the Who Is An Insured Provision of the Coverage Form. This endorsement does not alter coverage provided in the Coverage form.

#### Schedule

### Name of Person(s) or Organizations(s):

Any person or organization where the Named Insured has agreed by written contract to include such person or organization

### Regarding Designated Contract or Project:

Any

Each person or organization shown in the Schedule of this endorsement is an "insured" for Liability Coverage, but only to the extent that person or organization qualifies as an "insured" under the Who Is An Insured Provision contained in Section II of the Coverage Form.

### The following is added to the **Other Insurance Condition:**

If you have agreed in a written agreement that this policy will be primary and without right of contribution from any insurance in force for an Additional Insured for liability arising out of your operations, and the agreement was executed prior to the "bodily injury" or "property damage", then this insurance will be primary and we will not seek contribution from such insurance.

POLICY NUMBER: TB2-641-444950-039

# WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

### **SCHEDULE**

Name Of Person Or Organization: As required by written contract or agreement						
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.						

The following is added to Paragraph 8. Transfer Of Rights Of Recovery Against Others To Us of Section IV – Conditions:

We waive any right of recovery we may have against the person or organization shown in the Schedule above because of payments we make for injury or damage arising out of your ongoing operations or "your work" done under a contract with that person or organization and included in the "products-completed operations hazard". This waiver applies only to the person or organization shown in the Schedule above.

### THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

# WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US (WAIVER OF SUBROGATION)

This endorsement modifies insurance provided under the following:

AUTO DEALERS COVERAGE FORM BUSINESS AUTO COVERAGE FORM MOTOR CARRIER COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

### **SCHEDULE**

### Name(s) Of Person(s) Or Organization(s):

Any person or organization for whom you perform work under a written contract of the contract requires you to obtain this agreement from us but only if the contract is executed prior to the injury or damage occurring.

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

The Transfer Of Rights Of Recovery Against Others To Us condition does not apply to the person(s) or organization(s) shown in the Schedule, but only to the extent that subrogation is waived prior to the "accident" or the "loss" under a contract with that person or organization.

# WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

This agreement shall not operate directly or indirectly to benefit anyone not named in the Schedule.

Schedule

Where required by contract or written agreement prior to loss.

Issued by:

For attachment to Policy No WA7-64D-444950-019

Effective Date 6/01/2019

Premium

Issued to:

Issued by

LIBERTY MUTUAL FIRE INSURANCE COMPANY

# THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

### NOTICE OF CANCELLATION OR MATERIAL REDUCTION IN COVERAGE TO THIRD PARTIES

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE PART
MOTOR CARRIER COVERAGE PART
GARAGE COVERAGE PART
TRUCKERS COVERAGE PART
EXCESS AUTOMOBILE LIABILITY INDEMNITY COVERAGE PART
SELF-INSURED TRUCKER EXCESS LIABILITY COVERAGE PART
COMMERCIAL GENERAL LIABILITY COVERAGE PART
EXCESS COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART
LIQUOR LIABILITY COVERAGE PART
COMMERCIAL LIABILITY – UMBRELLA COVERAGE FORM

Schedule		
Name of Other Person(s) / Organization(s):	Email Address or mailing address:	Number Days Notice:
As required by written contract or written agreement	As required by written contract or written agreement	30
	100000000000000000000000000000000000000	

- A. If we cancel this policy for any reason other than nonpayment of premium, or make a material reduction in coverage, we will notify the persons or organizations shown in the Schedule above. We will send notice to the email or mailing address listed above at least 10 days, or the number of days listed above, if any, before the cancellation becomes effective. In no event does the notice to the third party exceed the notice to the first named insured.
- B. This advance notification of a pending cancellation or material reduction of coverage is intended as a courtesy only. Our failure to provide such advance notification will not extend the policy cancellation date nor negate cancellation of the policy.

All other terms and conditions of this policy remain unchanged.

Policy Number AS2-641-444950-049

Issued by LIBERTY MUTUAL FIRE INSURANCE COMPANY

### THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

### NOTICE OF CANCELLATION OR MATERIAL REDUCTION IN COVERAGE TO THIRD PARTIES

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE PART
MOTOR CARRIER COVERAGE PART
GARAGE COVERAGE PART
TRUCKERS COVERAGE PART
EXCESS AUTOMOBILE LIABILITY INDEMNITY COVERAGE PART
SELF-INSURED TRUCKER EXCESS LIABILITY COVERAGE PART
COMMERCIAL GENERAL LIABILITY COVERAGE PART
EXCESS COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART
LIQUOR LIABILITY COVERAGE PART
COMMERCIAL LIABILITY – UMBRELLA COVERAGE FORM

Schedule		
Name of Other Person(s) / Organization(s):	Email Address or mailing address:	Number Days Notice:
Per Schedule on File		30

- A. If we cancel this policy for any reason other than nonpayment of premium, or make a material reduction in coverage, we will notify the persons or organizations shown in the Schedule above. We will send notice to the email or mailing address listed above at least 10 days, or the number of days listed above, if any, before the cancellation becomes effective. In no event does the notice to the third party exceed the notice to the first named insured.
- B. This advance notification of a pending cancellation or material reduction of coverage is intended as a courtesy only. Our failure to provide such advance notification will not extend the policy cancellation date nor negate cancellation of the policy.

All other terms and conditions of this policy remain unchanged.

# THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

### **NOTICE OF MATERIAL CHANGE**

We will not make changes that reduce the insurance afforded by this policy until written notice of such reduction has been delivered to those scheduled below at least 30 days before the effective date of the material change to the insurance afforded by this policy.

Our failure to provide notice under this endorsement will not affect the validity of the changes except as it relates to the person or organization listed below.

NAME **ADDRESS** As required by written contract or written agreement In no event will the notification be less than the minimum days required for notification by state statute. Notification will be provided to all parties in a manner as required by state statute, if any. This endorsement is executed by the Liberty Insurance Corporation Premium: Effective Date: 6/1/2019 Expiration Date: 6/1/2020 Chicia Havelho For attachment to Policy No: WA7-64D-444950-019 Countersigned by Authorized Representative End. Serial No.

WC 99 20 15 Page 1 of 1 Ed. 09/01/2010

### NOTICE OF CANCELLATION TO THIRD PARTIES

- A. If we cancel this policy for any reason other than nonpayment of premium, we will notify the persons or organizations shown in the Schedule below by email as soon as practical after notifying the first Named Insured.
- B. This advance email notification of a pending cancellation of coverage is intended as a courtesy only. Our failure to provide such advance notification will not extend the policy cancellation date nor negate cancellation of the policy.

SCHEDULE

Name of Other Person(s) / Organization(s):

As required by written contract or written agreement

30 Days

All other terms and conditions of this policy remain unchanged.

Issued by

Issued to