

**AMENDMENT NO. 1**  
**CONTRACT NO. 455-22-1014 FOR**  
**CATASTROPHIC WEATHER EVENT STUDY**  
**BETWEEN**  
**THE RAILROAD COMMISSION OF TEXAS AND**  
**THE UNIVERSITY OF TEXAS AT AUSTIN BUREAU OF ECONOMIC GEOLOGY**

**THIS AMENDMENT NO. 1** to Contract No. 455-22-1014 (“Contract”) is entered into by and between the State of Texas, acting through the Railroad Commission of Texas (“RRC”), located at 1701 N. Congress Ave., Austin, Texas and The University of Texas at Austin Bureau of Economic Geology (“UT or “Performing Agency”), located at 1900 University Avenue Austin, TX 78705 (individually, “Party”; collectively, “Parties”).

**WHEREAS, SECTION 6.03.** of the Contract provides the Parties may amend the Contract through written agreement; and

**WHEREAS,** the Parties desire to further amend the Contract terms to their mutual benefit to reflect changed circumstances.

**NOW, THEREFORE,** the Parties agree to amend the Contract as follows:

- I. **APPENDIX A, PART III: MODELING FOR STRATEGIC STORAGE NEED**, is modified to incorporate Appendix B by reference into this contract and the following services:
1. Readjust input of supply for a set of scenarios to replace all originally 15% with 20% reduction impacts. These cases are (see report Chapter 4.4). The current supply disruption covers a greater area of the gulf region to reflect the extreme weather like Uri, which impacts multiple states, including Texas. The states that are assumed to be impacted (at least partially) are Texas, Oklahoma, Louisiana, and New Mexico.
    - Limited Supply Disruption scenario (supply declines limited to 20 percent [20%]) for 2025
    - Limited Supply Disruption scenario (supply declines limited to 20 percent [20%]) for 2030
    - Limited Supply Disruption **and** storage expansion scenario for 2025
    - Limited Supply Disruption and storage expansion scenario for 2030
  2. Rerun GPCM Daily market simulation with the four adjusted scenarios with 20% reduction impacts. Interpret and assess the simulation outputs.
  3. Update all output charts and tables of market simulation scenarios
  4. Update all necessary report text, tables, and figures related to the scenario and simulation results.
- II. **SECTION 6.03. AMENDMENT.** Contract is modified to incorporate cost for services in Appendix B:
- “The total amount of fees to be paid by RRC to Contractor under the Contract through the Contract Term shall not exceed TWO HUNDRED THIRTY-TWO THOUSAND FIVE HUNDRED SEVENTY-SEVEN DOLLARS AND NINETY-THREE CENTS (\$232,577.93), the total of which includes the current NTE amount TWO HUNDRED TWENTY-TWO THOUSAND FIVE HUNDRED SEVENTY-SEVEN DOLLARS AND NINETY-THREE CENTS (\$222,577.93) plus the addition of TEN THOUSAND DOLLARS AND ZERO CENTS (\$10,000.00), as approved by the Executive Director effective as of the date executed by the Parties in this Amendment No. 1.”

Except as expressly amended above, all provisions of the Contract, as amended, remain in full force and effect. In the event of a conflict among provisions of the Contract, the order of precedence shall be: this Amendment No.1; and then the original Contract.

**IN WITNESS WHEREOF**, the Parties hereto have made and executed this Amendment No.1 to the Contract to be effective as of the date of the last Party’s signature hereto. By signatures below, each signatory represents and warrants that they have the authority to amend the Contract on behalf of the respective Party.

**RAILROAD COMMISSION OF TEXAS**

**THE UNIVERSITY OF TEXAS AT AUSTIN**

DocuSigned by:  
Wei Wang  
Wei Wang  
Executive Director

DocuSigned by:  
Michelle Strickland  
Michelle Strickland  
Assistant Director of Contracts and Agreements

Date of Execution: 1/6/2023

Date of Execution: 2023-01-02 | 15:43:00 PST

RRC use only below this line.  
Division Director: [Signature]  
Asst. Executive Director: [Signature]  
Director of Operations: [Signature]  
Office of General Counsel: [Signature]