

**SECOND AMENDMENT TO THE  
AGREEMENT BETWEEN the INDIAN WELLS VALLEY  
GROUNDWATER AUTHORITY  
and the BOARD OF REGENTS of the NEVADA SYSTEM OF HIGHER  
EDUCATION on behalf of the DESERT RESEARCH INSTITUTE**

Whereas, the **INDIAN WELLS VALLEY GROUNDWATER AUTHORITY** (hereinafter "Authority") and the **BOARD OF REGENTS of the NEVADA SYSTEM OF HIGHER EDUCATION on behalf of the DESERT RESEARCH INSTITUTE** (hereinafter "DRI") entered into an agreement on May 23, 2018 ("Agreement") whereby DRI would assist the Authority in using DRI's groundwater model to support the Authority's work on its Groundwater Sustainability Plan ("GSP"). The Authority and DRI are sometimes hereinafter collectively called the "Parties."

Whereas, the Parties entered an Amendment to the Agreement on November 15, 2018 regarding the Brackish Water Resource Feasibility Study.

Whereas, the Authority now wishes to have DRI run additional flow and transport modeling scenarios and to complete additional work to support development of the Groundwater Sustainability Plan that is outside the Scope of Work and Budget included in the Agreement.

Whereas, Section 3 of the Agreement specifies the consideration under the Agreement.

Whereas, Section 3(b) of the Agreement states that "If the scope of work described under this Agreement expands, [Authority] shall initiate an amendment to include added scope and funding that is mutually agreed upon by DRI and [Authority]. All work will be authorized on a Task and associated Budget basis."

Whereas, the Parties now desire to amend the Agreement to include added scope and funding.

The Parties, based upon mutual consideration, hereby agree as follows:

1. DRI shall run additional modeling scenarios and perform the duties/tasks in accordance with the DRI Scope of Work and Budget, a copy of which is attached hereto as "Exhibit A" and by reference made part of the Amendment/Agreement.
2. The Authority's Water Resources Manager ("WRM") has the sole authority to coordinate DRI's tasks related to its work under this Amendment/Agreement.
3. All other provisions of the Agreement shall remain in full force and effect.
4. This modification shall be effective immediately upon execution by the Parties.

Dated this 20 day of June, 2019.

**THE BOARD OF REGENTS OF THE  
NEVADA SYSTEM OF HIGHER  
EDUCATION ON BEHALF OF THE  
DESERT RESEARCH INSTITUTE**

By: *Diane Samuel*  
Diane Samuel  
Director of Sponsored Projects

**INDIAN WELLS VALLEY  
GROUNDWATER AUTHORITY**

By: *RK Kicinski*  
Ron Kicinski, Chairman  
Board of Directors

## EXHIBIT A

### SECOND AMENDMENT TO AGREEMENT BETWEEN the INDIAN WELLS VALLEY GROUNDWATER AUTHORITY and the BOARD OF REGENTS of the NEVADA SYSTEM OF HIGHER EDUCATION on behalf of the DESERT RESEARCH INSTITUTE

#### Scope of Work and Budget

##### Task 1. Re-Run Transport (Salinity) for the Base Case Scenario

Revise matching of well screen depths and assignment of TDS values for initial TDS conditions input file. Re-run the Base Case transport simulation, develop output including figures, and brief the Ad Hoc Modeling Committee on the process and results.

The Budget for this task is \$8,235.

##### Task 2. Additional Sustainable Management Alternatives through 2070 and Additional Transport (Salinity)

The calibrated groundwater model will be setup to simulate two (2) additional sustainable management alternatives simulations through 2070. One of the simulations will include subsequent iterations to optimize pumping locations. The sustainable management alternative simulation results will be presented as maps of drawdown in Indian Wells Valley, hydrographs at specific locations, and annual water budget tables for the basin and each management area. An additional predictive simulation for TDS transport through 2070 will be performed. The transport simulation results will be presented as maps of TDS concentrations, concentrations through time at selected locations and annual mass balance tables by management area.

The Budget for this task is \$19,000.

##### Task 3. Additional Scope for Work Subject to Water Resource Manager Authorization

Perform additional technical support for the development of the Groundwater Sustainability Plan as authorized by the Water Resources Manager, including, but not limited to, additional flow and transport simulations, analysis and presentation of results, and presentations to the Technical Advisory Committee.

The Budget for this task is \$25,000.