



**DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
DIVISION OF WATER RESOURCES**

901 South Stewart Street, Suite 2002

Carson City, Nevada 89701-5250

(775) 684-2800 • Fax (775) 684-2811

<http://water.nv.gov>

April 23, 2020

**Request for Proposal
Instructional and Educational Resources for “ERSI Nevada Story Maps”**

Agency Background:

Mission

The mission of the Floodplain Management Program can be broken down into three main components; the Community Assistance Program, flood mitigation assistance, and flood hazard mapping assistance to communities. Activities in the program are undertaken in conjunction with agreements between the Federal Emergency Management Agency (FEMA) and the State, which define floodplain management, flood hazard mapping and flood mitigation objectives.

The objective of the program is to raise awareness by educating Nevadans that serious flooding occurs regularly in our state, and that there are steps residents can take to mitigate the risk. The Floodplain Management program participates in a variety of outreach and education activities. We provide education through giving presentations, tabling at special events, and partnering with other organizations for special programs such as Flood Awareness Week.

Services Required:

The Nevada Division of Water Resources (NDWR) Floodplain Management Program is soliciting proposals from qualified vendors to enter into a state contract for the development of a complete line of instructional and educational resources on subject matter to support the program’s development of ESRI “Story Maps”. Story Maps were developed by the [Nevada Silver Jackets Team](#) as an interactive, educational and digital story-telling tool, providing historical information, maps and flood data for the following six rivers across the state of Nevada:

Carson River: <https://arcg.is/18jrHC>

Truckee River: <https://arcg.is/0fe1G9>

Walker River: <https://arcg.is/15iLSK0>

Humboldt River: <https://arcg.is/0LPu590>

Muddy River: <https://arcg.is/1C5vaW>

Virgin River: <https://arcg.is/1TiCaH>

Educational resources must meet and cite National Science, Technology, Engineering and Math (STEM) Standards and will be used for program outreach and education for students, grades 6th to 8th, and 9th to 12th. Curriculum materials shall include, but are not limited to, lesson plans, interactive activities and fillable worksheets, and visual or digital resources that support the content within the Nevada Story Maps. All materials must be student-ready and be available in digital audio and/ or digital text.

Scope of Work:

Vendor is expected to develop instructional and educational resources that promote understanding and awareness of Nevada geography and watershed resources, as well as flood safety measures for students, 6th-8th and 9th-12th grade. This material should be aligned to current Nevada Academic Content Standards and be teacher/student friendly materials designed for students in the above grades, using the six of the different Story Maps of Nevada Rivers (Muddy, Virgin, Humboldt, Walker, Carson, and Truckee Rivers). This may be accomplished through creating 1 lesson per map, for a total of 6 lessons.

Instructional and Education Resources should be designed to:

1. Support student engagement with content aligned with Nevada Academic Content Standards (NVACS). For example, [Earth and Space Science Standards](#):
 - a. 4-ESS2-2: Analyze and interpret data from maps to describe patterns of Earth's features.
 - b. MS-ESS3-2: Analyze and interpret data on natural hazards to forecast future catastrophic events and inform the development of technologies to mitigate their effects.
 - c. HS-ESS3-1: Construct an explanation based on evidence for how the availability of natural resources, occurrence of natural hazards, and changes in climate have influenced human activity.
2. Engage students with the Story Maps. These maps should be used as data based multimedia texts to supplement student learning and reasoning.
3. Provide evidence of student learning around flood safety and preparedness as well as water and related natural disasters in Nevada after completion (i.e. artifacts of learning such as a workbook to for students to document their ideas and rubrics for student presentations)

Contract: 6/7/2021 Through: 9/17/2021

Proposal Requirements:

1. Name and contact information of vendor
2. 3 professional references
3. Detailed budget breakdown
4. Brief description and outline of education materials to be considered and any supporting examples of past work
5. Provide a detailed timeline for meeting identified tasks and completing deliverables, with a completion date no later than **5/14/2021**.

Contractor must be a registered vendor with the State of Nevada and have a Nevada Business License. To register as a vendor, visit <http://controller.nv.gov/> and submit the 'Electronic Vendor Registration' form. This may take approximately 14-21 days to complete.



ERIN WARNOCK
State Floodplain Manager