

BEFORE THE IDAHO WATER RESOURCE BOARD

IN THE MATTER OF GROUND WATER )            A RESOLUTION  
CONSERVATION GRANTS                    )  
\_\_\_\_\_ )

WHEREAS, House Bill 547 passed and approved by the 2014 legislature allocated \$5 million annually from the Cigarette Tax to the Idaho Water Resource Board (“IWRB”) for statewide aquifer stabilization; and

WHEREAS, many aquifer across Idaho are declining and have existing or potential conjunctive administration water use conflicts, including the Eastern Snake Plain Aquifer, the Wood River Aquifer, the Mountain Home Aquifer, the Treasure Valley Aquifer, the Palouse Basin Aquifer, the Rathdrum Prairie Aquifer and others; and

WHEREAS, on March 20, 2015 the IWRB Water Resource Planning Committee met and recommended the IWRB Finance Committee include funds for the creation of a ground water conservation grant in their recommended Fiscal Year 2016 budget; and

WHEREAS, on April 29, 2015 the IWRB Finance Committee met and recommended a Fiscal Year 2016 budget that included \$200,000 for ground water conservation grants; and

WHEREAS, on May 22, 2015 the IWRB adopted by resolution a budget for Fiscal Year 2016 authorizing the use of continuously appropriated Secondary Aquifer Planning and Management and Implementation Fund for ground water conservation grants; and

WHEREAS, the budget resolution adopted on May 22, 2015 by the IWRB required the IWRB to develop a criteria for the award of ground water conservation grants prior to any grants being awarded; and

WHEREAS, on September 18, 2015 the IWRB adopted by resolution a criteria for the award of ground water conservation grants for Fiscal Year 2016.

WHEREAS, the City of Hailey submitted a ground water conservation grant application in December 2015 that proposes a water conservation rebate program and is requesting \$18,000 from the IWRB to match other funding support for the project; and

WHEREAS, the Sun Valley Elkhorn Association submitted a ground water conservation grant application in December 2015 that proposes a smart irrigation system and is requesting \$12,212 from the IWRB to match other funding support for the project;

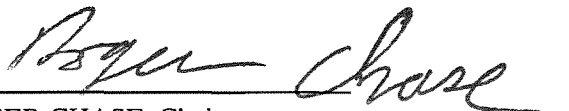
WHEREAS, the City of Hailey grant application and the Sun Valley Elkhorn Association grant applications both meet the criteria established by the IWRB on September 18, 2015.

NOW THEREFORE BE IT RESOLVED that the IWRB authorizes expenditures for the following projects up to the identified amount from the Secondary Aquifer Planning and Management and Implementation Fund:

- 1) Up to \$18,000 to the City of Hailey to develop and implement a water conservation rebate program
- 2) Up to \$12,212 to the Sun Valley Elkhorn Association to develop a smart irrigation system

BE IT FURTHER RESOLVED that approval of this expenditure is contingent on the IWRB and the grant recipients entering into a cost reimbursement agreement.

DATED this 22<sup>th</sup> day of January 2016.

  
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ROGER CHASE, Chairman

Idaho Water Resource Board

ATTEST   
\_\_\_\_\_  
VINCE ALBERDI, Secretary

Idaho Water Resource Board

BEFORE THE IDAHO WATER RESOURCE BOARD

IN THE MATTER OF AN AQUIFER ) A RESOLUTION  
STABILIZATION STUDY IN ) TO ALLOCATE  
COORDINATION WITH ) FUNDS TO ELMORE  
ELMORE COUNTY ) COUNTY  
\_\_\_\_\_ )

WHEREAS, House Bill 547 passed and approved by the 2014 legislature allocated \$5 million annually from ongoing funds to the Idaho Water Resource Board (IWRB) for statewide aquifer stabilization, with the funds to be deposited into the Secondary Aquifer Planning, Management, and Implementation Fund; and

WHEREAS, through resolution, dated May 22<sup>nd</sup>, 2015, the IWRB adopted a budget for Fiscal Year 2016 for use of the continuously-appropriated Secondary Aquifer Planning, Management, and Implementation Fund and authorized expenditures for projects in priority aquifers; and

WHEREAS, many aquifers across Idaho are declining or have existing or potential conjunctive administration water use conflicts, including the Wood River, the Mountain Home Aquifer, the Treasure Valley Aquifer, the Palouse Basin Aquifer, the Rathdrum Prairie Aquifer and others; and

WHEREAS, the economy of southern Elmore County is dependent on water supplies that are insufficient to support existing uses and future development. Specifically, ground water pumping from the Mountain Home Plateau Aquifer exceeds annual natural recharge, resulting in chronic water level declines in the area of Cinder Cone Butte, Mountain Home Air Force Base, and the City of Mountain Home; and

WHEREAS, surface water delivered from streams draining to the Mountain Home Plateau are highly variable; water from these surface channels and reservoirs are insufficient in most years; and

WHEREAS, SPF Engineering at the request of Elmore County has develop a proposal for an Elmore County Water Supply Study. The specific objectives of the study are to 1) estimate existing and future irrigation, municipal, industrial and other water demand, 2) quantify current water supply deficits, 3) determine the economic benefit from improving Elmore County water supply to meet demands, and 4) estimate the approximate costs to develop additional water supplies to achieve water supply sustainability and to provide water for future economic development. The estimated cost for the study is \$109,000; and

NOW THEREFORE BE IT RESOLVED that the IWRB authorizes the expenditure of a total of \$ 65,000.00 from the Secondary Aquifer Planning, Management, and Implementation Fund for the Elmore County Water Supply Study.

BE IT FURTHER RESOLVED that the Elmore County Water Supply Study Final Report shall identify the most cost-effective water supplies that can be developed to achieve aquifer stabilization and include a recommended course of action regarding future water supplies for Elmore County area.

BE IT FURTHER RESOLVED that Elmore County and their project managers are solely responsible and accountable for the oversight, management, and completion of this study.

DATED this 22th day of January 2016.



ROGER CHASE, Chairman  
Idaho Water Resource Board

ATTEST 

Vince Alberdi, Secretary  
Idaho Water Resource Board

BEFORE THE IDAHO WATER RESOURCE BOARD

IN THE MATTER OF THE SWAN FALLS )  
AGREEMENT MINIMUM FLOWS TOOL )  
\_\_\_\_\_)

A RESOLUTION TO ALLOCATE  
FUNDS FOR A FORECASTING

WHEREAS, as a result of the Swan Falls Settlement, the minimum streamflow at the Murphy Gaging Station, just downstream of Swan Falls Dam, was increased to an average daily flow of 3,900 cfs between April 1<sup>st</sup> and October 31<sup>st</sup> of every year, and 5,600 cfs between November 1<sup>st</sup> and March 31<sup>st</sup> of every year; and

WHEREAS, the Idaho Water Resource Board (IWRB) holds decreed minimum stream water rights at the Murphy Gage; and

WHEREAS, Idaho Power Company holds decreed hydropower water rights for its mid Snake River Hydropower facilities in the amount of 3,900 cfs between April 1<sup>st</sup> and October 31<sup>st</sup> and 5,600 cfs between November 1<sup>st</sup> and March 31<sup>st</sup> measured at the Murphy Gage; and

WHEREAS, the State of Idaho, by and through the Governor, hold hydropower water rights in trust for the benefit of Idaho Power Company and the people of Idaho; and

WHEREAS, the hydropower water rights held in trust by the State of Idaho are subordinated to water rights diverting trust water within the area shown on Appendix A of IDAPA 37.03.08.030; provided, however, these water rights are subject to curtailment if the average daily flow at the Murphy Gage falls below 3,900 cfs between April 1<sup>st</sup> and October 31<sup>st</sup> and 5,600 cfs between November 1<sup>st</sup> and March 31<sup>st</sup> measured at the Murphy Gage; and

WHEREAS, the adjusted average daily flow at the Murphy Gage is beginning to approach the 3,900 cfs minimum flow; and

WHEREAS, CH2M developed a proposal for the development of a spreadsheet tool for predicting flows in the Snake River near the Murphy Gage. The cost to develop the proposed predictive tool is \$99,403; and

WHEREAS, the Swan Falls Working Group is comprised of stakeholder representatives (including Idaho Power Company and The Idaho Ground Water Appropriators, Inc.) working on various technical aspects relating to the Swan Falls flow issues; and


WHEREAS, the Idaho Power Company and the Idaho Ground Water Appropriators, Inc. are the primary stakeholders that will benefit from improved forecasting of flows and have expressed support for the development of the predictive tool.

NOW, THEREFORE, BE IT RESOLVED that the Board hereby approves the expenditure of a total of up to \$95,000.00 from the IWRB Secondary Aquifer Planning, Management and Implementation Fund for the spreadsheet tool for predicting flows in the Snake River near the Murphy Gage.

BE IT FURTHER RESOLVED the Board requests cooperative funding from the primary stakeholders that will benefit from the forecasting tool.

Dated this 22<sup>nd</sup> day of January 2016.

  
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ROGER CHASE, Chairman  
Idaho Water Resource Board

ATTEST   
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Vince Alberdi, Secretary  
Idaho Water Resource Board

BEFORE THE IDAHO WATER RESOURCE BOARD

IN THE MATTER OF THE )  
OUTLET WATER ASSOCIATION )  
\_\_\_\_\_ )

A RESOLUTION TO MAKE  
A FUNDING COMMITMENT

WHEREAS, on December 11, 2015, a Letter of Intent and Loan Application from the Outlet Water Association (Association) were submitted to the IDAHO WATER RESOURCE BOARD (Board) requesting a loan in the amount of \$100,000; and,

WHEREAS, the Association provides domestic water to 88 residents and a USFS campground in the Outlet Bay Area of Priest Lake, Bonner County; and,

WHEREAS, the Association needs to undertake several improvement projects, which include drilling a secondary well and construction of a new access road to the well and pump house site; and,

WHEREAS, these additional funds will be used to undertake the needed improvements to the system; and,

WHEREAS, the Association is a qualified applicant and the proposed project qualifies for a loan from the Revolving Development Account; and,

WHEREAS, the proposed project is in the public interest and is in compliance with the State Water Plan.

NOW THEREFORE BE IT RESOLVED that the Board approves a loan for \$100,000 at 3.5% interest with a 20 - year repayment term, and provides authority to the Chairman of the Idaho Water Resource Board or his designee to enter into contracts with the Association on behalf of the IWRB.

BE IT FURTHER RESOLVED that this resolution and the approval of the loan are subject to the following conditions:

1. The Association shall provide acceptable security for the loan to the IWRB including, but not limited to the Association's water rights, property, and facilities.
2. The Association shall establish a reserve account in an amount equal to one annual payment.
3. The Association shall comply with all applicable rules and regulations that apply to the proposed project.

DATED this 22<sup>th</sup> day of January, 2016.



ROGER W. CHASE, Chairman  
Idaho Water Resource Board

ATTEST   
VINCE ALBERDI, Secretary



BEFORE THE IDAHO WATER RESOURCE BOARD

IN THE MATTER OF PROJECTS ASSOCIATED )  
WITH RATHDRUM PRAIRIE COMPREHENSIVE )  
AQUIFER MANAGEMENT PLAN )  
\_\_\_\_\_ )

A RESOLUTION  
TO ALLOCATE FUNDS

WHEREAS, the Idaho Water Resource Board (Board), pursuant to its planning authorities in Article XV, Section 7 of the Idaho Constitution, and Idaho Code 42-1779, and as directed by House Bill No. 428 passed and approved by the 2009 Idaho Legislature, has undertaken the development of a comprehensive aquifer management plan for the Rathdrum Prairie Aquifer; and

WHEREAS, the Board adopted the Rathdrum Prairie Comprehensive Aquifer Management Plan on July 29, 2011; and

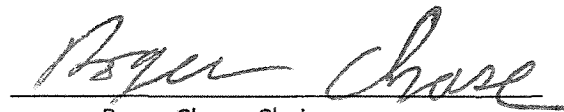
WHEREAS, the Spokane River Forum has requested financial support in the amount of \$5,000 to match other funding support for the Spokane River Forum Conference scheduled for March 23<sup>rd</sup> – 24<sup>th</sup>, 2016; and,

WHEREAS, the Spokane River Forum Conference supports several actions described in the Rathdrum Prairie Comprehensive Aquifer Management Plan, including:

1. Objective #2: Prevent and Resolve Water Conflicts
  - a. Regional discussion and encouraging cooperation for Spokane Valley-Rathdrum Prairie Aquifer water issues;
  - b. Encourage mechanisms that resolve local issues before they become conflicts;
2. Objective #3: Protect the Aquifer, through bringing the key agencies together in an effort to address overlapping jurisdictions with the goal of improving efficiency and sharing knowledge; and
3. Adaptive Management, Monitoring and Data Gathering: Present information about the development and maintenance of state-of-the-art monitoring and evaluation tools that provide the information necessary to make sound planning decisions for the future

NOW, THEREFORE, BE IT RESOLVED that the IWRB hereby approves the expenditure of a total of \$5,000.00 from the IWRB Revolving Development Account's Rathdrum Prairie CAMP subaccount, to the Spokane River Forum.

DATED this 22<sup>nd</sup> day of January, 2016



Roger Chase, Chairman  
Idaho Water Resource Board

ATTEST



Vince Alberdi, Secretary  
Idaho Water Resource Board

BEFORE THE IDAHO WATER RESOURCE BOARD

IN THE MATTER OF AN AQUIFER )  
STABILIZATION STUDY WITHIN ) A RESOLUTION  
THE TREASURE VALLEY IN ) TO APPROVE FUNDS  
COORDINATION WITH STAR )  
SEWER AND WATER DISTRICT )

WHEREAS, House Bill 547 passed and approved by the 2014 legislature allocated \$5 million annually from ongoing funds to the Idaho Water Resource Board (IWRB) for statewide aquifer stabilization, with the funds to be deposited into the Secondary Aquifer Planning, Management, and Implementation Fund; and

WHEREAS, many aquifers across Idaho are declining or have existing or potential conjunctive administration water use conflicts, including the Wood River, the Mountain Home Aquifer, the Treasure Valley Aquifer, the Palouse Basin Aquifer, the Rathdrum Prairie Aquifer and others; and

WHEREAS, through resolution, dated May 22<sup>nd</sup>, 2015, the IWRB adopted a budget for Fiscal Year 2016 for use of the continuously-appropriated Secondary Aquifer Planning, Management, and Implementation Fund and authorized expenditures for projects in priority aquifers; and

WHEREAS, in 2010, the IWRB initiated the Comprehensive Aquifer Management Planning process in the Treasure Valley to develop long-range plans for managing water resources. The *Managed Aquifer Recharge in the Treasure Valley* report (2011) was one of the associated technical studies designed to provide an initial assessment of the potential for managed recharge as a water management tool in the Treasure Valley; and

WHEREAS, the Star Sewer and Water District is evaluating various forms of reuse, including recharge, to determine more efficient methods for managing their water resources; and

WHEREAS, the Star Sewer and Water District proposes to conduct a study that will, evaluate alternative methods for reuse including the gathering of infiltration data, aquifer storage data, and water quality data to evaluate areas for potential managed recharge or land application. The study will also estimate the probable cost for managed recharge at the preferred site. The estimated cost of the study for is \$75,000.

NOW THEREFORE BE IT RESOLVED that the IWRB authorizes the expenditure of funds from the Secondary Aquifer Planning, Management, and Implementation Fund, not to exceed \$25,000 for the study; and

BE IT FURTHER RESOLVED that Star Sewer and Water District and their project manager(s) are solely responsible and accountable for the oversight, management, and completion of this study.

DATED this 22th day of January 2016.



ROGER CHASE, Chairman  
Idaho Water Resource Board

ATTEST



Vince Alberdi, Secretary  
Idaho Water Resource Board

BEFORE THE IDAHO WATER RESOURCE BOARD

IN THE MATTER OF EASTERN SNAKE	)	A RESOLUTION TO APPROVE
PLAIN AQUIFER STABILIZATION AND	)	A PAYMENT SCHEDULE
MANAGED AQUIFER RECHARGE	)	FOR DELIVERY OF
	)	WATER FOR MANAGED
	)	RECHARGE IN THE UPPER
	)	VALLEY

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WHEREAS, the State of Idaho relies on spring discharge from the ESPA through the Thousand Springs to assist in meeting the minimum streamflow water rights at the Murphy Gage that were established under the Swan Falls Agreement; and

WHEREAS, the Eastern Snake Plain Aquifer (ESPA) has been losing approximately 200,000 acre-feet annually from aquifer storage since the 1950's resulting in declining ground water levels in the aquifer and declining spring flows from the aquifer; and

WHEREAS, stabilizing the ESPA will help sustain spring flows sufficient to maintain the minimum flows at the Murphy Gage and reduce conflicts between groundwater and surface water users; and

WHEREAS, House Bill 547 passed and approved by the 2014 legislature allocates \$5 million annually from the Cigarette Tax to the Idaho Water Resource Board (IWRB) for statewide aquifer stabilization; and

WHEREAS, the Eastern Snake Plain Aquifer Comprehensive Aquifer Management Plan (ESPA CAMP), identified managed recharge as a key strategy for achieving the goal of aquifer stabilization and recovery; and

WHEREAS, the IWRB intends to provide financial incentives to maximize recharge of water available under its water right permit.

NOW THEREFORE BE IT RESOLVED that the IWRB adopts the following recharge delivery payment structure for canals that divert above American Falls Reservoir:

- 1) Base Rate – determined by 5-year aquifer retention zone in which the contracted canal companies or irrigation district is located (retention zone will be assigned using ESPAM2.1):
  - Greater than 40% retained in aquifer at 5 years           \$6.00/AF delivered
  - 20% to 40% retained in aquifer at 5 years               \$5.00/AF delivered
  - 15% to Less than 20% retained in aquifer at 5 years   \$4.00/AF delivered
  
- 2) Cold Weather Incentive – an additional \$1.00/AF for cold weather conveyance of IWRB recharge for water delivered between December 1st and March 31st.

- 3) Deliver Incentive – an additional \$1.00/AF if the operator delivers recharge water over 75% of the days when the IWRB recharge right is in priority and IWRB issues a Notice to Proceed.

BE IT FURTHER RESOLVED that the allocation of water available for recharge above American Falls will be determined based on the following rating system. The available water will be divided equally between the top three rated entities with executed Water Conveyance Contracts with the Board. Water available in excess of the capacity of the top three rated entities will be available for delivery by other entities in order of their rating (highest to lowest).

The rating will be determined by the following point system:

- 1) Retention Rate (as determined by IDWR's ESPAM2.1):
- Greater than 40% retained in aquifer at 5 years 3 points
  - 20% to 40% retained in aquifer at 5 years 2 points
  - 15% to Less than 20% retained in aquifer at 5 years 1 points
- 2) Diversion Capacity:
- 300 cfs or greater 2.5 points
  - 200cfs to less than 300 cfs 2.0 points
  - 100cfs to less than 200 cfs 1.5 points
  - 50cfs to less than 100 cfs 1.0 points
  - Less than 50 cfs 0.5 points

BE IT FURTHER RESOLVED that the IWRB's ESPA managed recharge program will be limited to recharge of natural flow to avoid impacts to surface water storage above Milner Dam.

BE IT FURTHER RESOLVED that the IWRB authorizes execution of conveyance contracts with a term of one year.

BE IT FURTHER RESOLVED that the use of IWRB funds to develop infrastructure for recharge delivery shall be considered under separate resolutions.

BE IT FURTHER RESOLVED that the IWRB's ESPA managed recharge program will be coupled with a monitoring program approved by IDWR staff to verify the effects of managed recharge and, if necessary, modify the recharge program based on evaluation of the effects.

DATED this 22<sup>nd</sup> day of January 2016.



ROGER CHASE, Chairman  
Idaho Water Resource Board

ATTEST



VINCE ALBERDI, Secretary