



IDAHO DEPARTMENT OF WATER RESOURCES

STRATEGIC PLAN

FY 2017 - 2020

Table of Contents

Introduction	Page
Forward.....	1
History	1
Mission	2
Vision	2
Commitment	2
Goals Identified.....	3
External Factors	3
Plan Maintenance and Approval.....	3

Goal 1: Manage and administer water resources as required by statute to optimize economic activity and protect public safety.

Water Allocation Bureau Objectives	4
Water Compliance Bureau Objectives	8
Hydrology Section Objectives.....	9

Goal 2: Administer and regulate water rights, protect senior water rights, and conserve Idaho’s water for future use.

Water Allocation Bureau Objectives	10
Water Compliance Bureau Objectives	11
Hydrology Section Objectives.....	13

Goal 3: Promote and finance projects that will ensure sustainability of water sources into the foreseeable future and that will optimize the use of water of the State of Idaho.

Planning Bureau Objectives.....	15
---------------------------------	----

Goal 4: Management Support – enhance the capability of the Department to manage and protect the water resources of the state and serve the public.

Fiscal (Budgetary) Objectives	17
Human Resources Objectives	17
ITS Bureau Objectives.....	18

Follow up

Infrastructure Assessment	21
Implementation, Monitoring, and Revision	21

Introduction

Forward

The Idaho Department of Water Resources (IDWR) Strategic Plan is intended to be a living document. As such, we intend to update it periodically to reflect the dynamic and evolving nature of water resource planning in the State of Idaho. The most current version is posted on the IDWR website at www.idwr.idaho.gov.

History

Disputes about the administration of competing uses of water in the late 1800's and early 1900's created a need for a structure for the orderly recording and regulation of water rights. In response, the Idaho Legislature created the Office of State Engineer. Prospective water users could file applications to appropriate water with the agency, and obtain written authorization to develop a water use and perfect a recorded water right. The agency was renamed the Department of Reclamation and then the Department of Water Administration before becoming the Idaho Department of Water Resources in 1974. Through the initial legislation and subsequent amendments, the agency was given authority to review proposals to change water rights, record adjudicated water rights, and oversee the delivery of water in times of shortage. The agency also promoted development of water resources for the economic benefit of the state of Idaho. To promote the development of water resources, the agency was assigned the task of gathering information and data about the water supplies of the state. Additional responsibilities were assigned to the agency including dam safety, ground water protection (well construction), stream channel alteration regulation, and administration of the National Flood Insurance Program. In the 1960's, the Idaho Water Resource Board (IWRB or Board) was created by a voter initiative that amended the Idaho Constitution. Initially created as a separate agency with its own staff, in 1974 the IWRB and the existing Department of Water Administration were combined to form the present Idaho Department of Water Resources. The IWRB is charged with authoring a state water plan for the use, protection, and development of water resources of the state. The Board also holds several state monetary accounts in trust for the funding of water projects and improvements within the state.

At present, IDWR and the IWRB interact in a level working relationship. The Board establishes long term vision and policy, and implements water projects on behalf of the state. IDWR administers water rights and performs other regulatory functions.

Currently IDWR is divided into four bureaus: Water Allocation Bureau, Water Compliance Bureau, Water Planning Bureau, and Information Technology Services Bureau. IDWR also has a stand-alone Hydrology Section. The Purchasing, Financial, and Human Resources groups support the staff of the IDWR.

Greater demand on a finite supply of water has changed the focus of IDWR and the Board in recent years. To protect senior priority water rights, IDWR has limited appropriations of water in many areas of the state and has regulated the use of water in times of water shortage. The Board has exerted significant efforts in trying to enhance water supplies to address shortages and future needs. These efforts will intensify as the demands for water from prospective water user's increase. The challenge for IDWR and the Board is to fulfill the sometimes conflicting directives of promoting the development of water resources of the state for the benefit of its citizens while, at the same time, protecting senior water right holders.

Our Mission

To serve the citizens of Idaho by ensuring that water is conserved and available for the sustainability of Idaho's economy, ecosystems, and resulting quality of life.

Our Vision

To achieve excellence in water management through innovation, efficiency, planning, and communication.

Our Commitment

- Act in the public interest of Idaho's water resources
- Provide responsive customer service
- Balance competing interests consistent with Idaho law
- Be forward-looking and innovative
- Deliver uncompromising ethical behavior
- Communicate early, honestly, and completely
- Return to the taxpayer an honest day's time and effort

Goals

1. Manage and administer water resources as required by statute to optimize economic *activity* and protect public safety.
2. Administer and regulate water rights, protect senior water rights, and conserve Idaho's water for future use.
3. Promote and finance projects that will ensure sustainability of water sources into the foreseeable future and that will optimize the use of water of the State of Idaho.
4. Management support – enhance the capability of the Department to manage and protect the water resources of the state and serve the public.

External Factors That May Affect Goal Attainment

- Availability of funding
- Federal and state regulatory actions and mandates
- Weather/drought/natural disasters
- Litigation and court decisions

Plan Maintenance and Approval

The IDWR Strategic Plan is reviewed annually by the Director's Management Council, with final review by the Director. The Director's Management Council consists of the individuals listed below. Recommendations for modification of any element of the plan should be submitted to a member of this Council.

Gary Spackman

Mat Weaver

Sascha Marston

Holly Wimer

Janet Garrett

Brian Patton

Jeff Peppersack

Sean Vincent

Tim Luke

Greg Mathias

Goal 1: Manage and administer water resources as required by statute to optimize economic activity and protect public safety.

WATER ALLOCATION BUREAU OBJECTIVES

Objective 1: Align Dam Safety Program consistent with statutory mandates to enhance public safety.

Timing	Performance Measure	Benchmark
FY 17-20	Review and update emergency plans for high hazard dams.	<ul style="list-style-type: none"> • Engage owners of high hazard dams to prepare regular updates to Operation/Emergency Plans for their respective dams. • Annually track all updates to EAPs .
FY 17-18	Improve public access for dam safety data.	<ul style="list-style-type: none"> • Revise and enhance database applications to include query and sorting capabilities. (FY 17) • Develop and implement a document management system consistent with other agency business procedures. (FY 17-18)
FY 17-20	Revise existing rules for consistency with revised statutes and to adopt industry design standards and terminology.	<ul style="list-style-type: none"> • Identify areas in rules requiring change and submit PARF. (FY 17) • Conduct negotiated rulemaking. (FY 18) • Complete proposed rulemaking process. (FY 19-20)

FY 17-20	Conduct timely and sufficient inspections.	<ul style="list-style-type: none"> • As inspections are due, review dam height, reservoir storage, and hazard rating to update inventory of regulated dams based on statute changes. (FY 17-20) • Issue storage certificates in the year inspections are conducted. Based on inspection results, promote owner responsibility for proper operation, maintenance, and repair of high hazard dams. (FY 18-20) • Enhance inspections for 10% of high hazard dams to include re-survey, outlet inspections, and inundation maps as needed. (FY 19-20)
----------	--	--

Objective 2: Review and modify water rights processes to reduce data-entry and record-keeping efforts, expediting decisions regarding water use proposals.

Timing	Performance Measure	Benchmark
FY 17-20	Implement a formal document retention policy establishing scanned images as the official medium for some components of permanent water right files.	<ul style="list-style-type: none"> • Adopt guidelines for recognizing scanned images as the official records for temporary permits. • Draft a document retention policy for records of permanent water rights. (FY 18) • Adopt new guidelines for permanent water right record documentation. (FY 19) • Implement new water right document retention guidelines. (FY 20)

FY 17-20	Create and implement online filing options for our water rights customers.	<ul style="list-style-type: none"> • Work with a contractor to evaluate our business processes to identify the best process for online filing. (FY 17) • Eliminate procedural, legal, technical, and institutional barriers of online filing for the processes identified in FY17. (FY 18) • Create and implement online filing for at least one business process in the Water Rights program. (FY 19) • Create and implement additional online filing opportunities for Water Right customers. (FY 20)
FY 17-20	Use software to assign and track the water rights workload across all IDWR offices, and to measure individual and program performance.	<ul style="list-style-type: none"> • Working with the contractor hired by IDWR to evaluate our business processes, determine best workload assignment/tracking software solution. (FY 17) • Design or select workload assignment/tracking software. (FY 18) • Create and implement the workload assignment/tracking software. (FY 19) • Train supervisors and managers to use new workload tracking/assignment software to identify processing bottlenecks and improve program efficiency. (FY 20)

Objective 3: Improve customer service by reducing processing time for major water right processes. Water rights staff at each IDWR office will be responsible for achieving the statewide objective.

Timing	Performance Measure	Benchmark
FY 17-20	Reduce average processing time of resolved applications for permit to 150 days or less.	<ul style="list-style-type: none"> • Average processing time of resolved applications for permit is 600 days or less. (FY 17) • Average processing time of resolved applications for permit is 450 days or less. (FY 18) • Average processing time of resolved applications for permit is 300 days or less. (FY 19) • Average processing time of resolved applications for permit is 150 days or less. (FY 20)
FY 17-20	Reduce the total number of pending transfer applications to 100 or fewer.	<ul style="list-style-type: none"> • Total number of pending transfer applications is 150 or fewer. (FY 17) • Total number of pending transfer applications is 125 or fewer. (FY 18) • Total number of pending transfer applications is 100 or fewer. (FY 19-20)
FY 17-20	Reduce the water right licensing backlog by 250 permits per year.	<ul style="list-style-type: none"> • Hire and train two new FTEs authorized by the legislature for water right licensing. (FY 17) • Water right licensing backlog is reduced to 950. (FY 17) • Water right licensing backlog is reduced to 700. (FY 18) • Water right licensing backlog is reduced to 450. (FY 19) • Water right licensing backlog is reduced to 200. (FY 20)

FY 17-20	Reduce the total number of unprocessed ownership change notices to 100 or fewer.	<ul style="list-style-type: none"> • Total number of pending ownership changes is 275. (FY 17) • Total number of pending ownership changes is 225. (FY 18) • Total number of pending ownership changes is 175. (FY 19) • Total number of pending ownership changes is 125. (FY 20)
----------	--	--

WATER COMPLIANCE BUREAU OBJECTIVES

Objective 1: Administer water resource protection permitting programs.

Timing	Performance Measure	Benchmark
FY 17 - 20	Ground Water Protection – Permitting of production wells, deep and shallow underground injection wells, and geothermal wells.	<ul style="list-style-type: none"> • Process 100% of all completed well applications received, in the same year they are received.
FY 17 - 20	Ground Water Protection – Inspection of wells.	<ul style="list-style-type: none"> • Inspect 25% of new wells drilled each year.
FY 17 - 20	Stream Channel Alteration (“SCA”) – Permitting of applications.	<ul style="list-style-type: none"> • Each year, process 70% of applications within 60 days of receipt.

Objective 2: Resource enforcement

Timing	Performance Measure	Benchmark
FY 17 - 18	Stream Channel Protection	<ul style="list-style-type: none"> • Complete an administrative policy for stream channel enforcement actions. (FY 17) • Use Compliance Bureau enforcement database to quantify and track violation investigations and notices of violation. (FY 18)
FY 17 - 19	Ground Water Protection	<ul style="list-style-type: none"> • Complete an administrative policy for ground water protection enforcement actions. (FY 19) • Use Compliance Bureau enforcement database to quantify and track violation investigations and notices of violation. (FY 19)

HYDROLOGY SECTION OBJECTIVES

Objective 1: Streamline hydrologic data collection and processing.

Timing	Performance Measure	Benchmark
FY 17-20	Maintain existing data gathering networks and expand networks as needed to support IDWR objectives.	<ul style="list-style-type: none"> • Install electronic data loggers in 25 wells and telemetry systems on 10 gages by the end of each fiscal year.
FY 17	Complete development of HydroSite application for interfacing with the Hydrologic database.	<ul style="list-style-type: none"> • Initial rollout to replace existing WellSite application for water level data by October 2016. • Release enhanced version to include surface water-specific functionality by December 2016. • Incorporate functionality to support Water Right Accounting programs by March 2017.

Goal 2: Administer and regulate water rights, protect senior water rights, and conserve Idaho’s water for future use.

WATER ALLOCATION BUREAU OBJECTIVES

Objective 1: Review Trust Water appropriations with term review conditions to determine availability of water and to re-evaluate the public interest.

Timing	Performance Measure	Benchmark
FY 17-20	Reaffirm or eliminate each Trust Water appropriation with a completed term.	<ul style="list-style-type: none"> Establish process for reviewing Trust Water appropriations. (FY 17) Review and issue appropriate orders for Trust Water appropriations. (FY 19-20)

Objective 2: Complete the first phase of the Northern Idaho Adjudications (Coeur d’Alene - Spokane River Basin Adjudication, Administrative basins 91 – 95) and initiate other phases as legislatively authorized.

Timing	Performance Measure	Benchmark
FY 17	<p>Mail the Preliminary Director’s Reports for Basin 95.</p> <p>Prepare the petition that will be filed to commence the Palouse River Basin Adjudication in Basin 87. (Phase 2 of the Northern Idaho Adjudications.)</p> <p>Resolve outstanding objections for state law based claims in Basins 91 and 92.</p>	<ul style="list-style-type: none"> Complete review of claims in Basin 95. Hold Notice of Error meetings in Basin 95. File petition to commence the Palouse River Basin Adjudication with the Adjudication Court. Complete resolution of all objections to state law based claims in Basin 91 and 92.

FY 18-20	<p>Complete the Coeur d'Alene-Spokane River Basin Adjudication.</p> <p>Complete the Palouse River Basin Adjudication.</p> <p>Commence the Clark Fork-Pend Oreille River Basin Adjudication in Basin 96 and 97 if authorized by the legislature. (Phase 3 of the Northern Idaho Adjudications.)</p>	<ul style="list-style-type: none"> • File Director's Reports in Basin 95 with the Adjudication Court. • Resolve all outstanding objections to state law and federal law based claims in Basins 91 – 95. • Mail commencement notices to property owners in Basin 87 and complete filing of claims. • Review claims filed in Basin 87, file Director's Report with the Adjudication Court, and resolve all objections. • Prepare and file petition to commence the Clark Fork-Pend Oreille River Basin Adjudication with the Adjudication Court. • Mail commencement notices to property owners in Basins 96 and 97.
----------	--	--

WATER COMPLIANCE BUREAU OBJECTIVES

Objective 1: Create and oversee water districts for administration of ground and surface water.

Timing	Performance Measure	Benchmark
FY 17-20	Create new water districts and/or modify water districts in the Snake River Basin.	Include 100% of qualifying water rights in water districts. Prioritize the following: Marsh Creek water district reactivation; Upper Salmon water district expansion; Teton Basin ground water rights; and surface water from Snake River below Swan Falls. (FY 17-20)

Objective 2: Improve water measurement standards and data quality in water districts.

Timing	Performance Measure	Benchmark
FY 17 - 20	Issue measurement orders to assure compliance with standards.	Require IDWR approved measuring devices in one to two water districts per year. (FY 17-20)

FY 17 - 20	<p>Ensure compliance with ESPA Water Measurement Order, ESPA water use reductions in accordance with SWC-IGWA Settlement Agreement, and in other areas such as Raft River and Mtn. Home.</p> <ul style="list-style-type: none"> • Assure compliance with existing WD140 order FY 2017. • Assure compliance with installation of meters by 2018. 	<ul style="list-style-type: none"> • Issue violation notices to users who fail to comply with orders. • Use WMIS database to track progress. <ul style="list-style-type: none"> - Number or percentage of wells in compliance - Number of violation notices to users who fail to comply with orders - Report ESPA water use by ground water district areas for 5 years
FY 17 - 18	Plan and implement telemetry solutions to automate collection and publication of data.	Telemeter and publish data on the IDWR website for 100% of qualifying water diversions in Water District 02. (FY 18)
FY 17 - 20	Certify flow meters.	<ul style="list-style-type: none"> • Maintain list of approved meters. (FY 17) • Update list of approved meters as needed. (FY 17-20)

Objective 3: Water rights compliance and enforcement

Timing	Performance Measure	Benchmark
FY 17 - 20	Investigate and resolve water right violations in response to complaints, water district administration, water measurement order compliance or other agency program initiatives.	Use Compliance Bureau enforcement database to quantify and track violation investigations and notices of violation. (FY 17)
FY 17 - 18	Develop a GIS based method to automate compliance processes.	Develop, apply and refine methodology on one to two test areas. (FY 17 - 18)

HYDROLOGY SECTION OBJECTIVES

Objective 1: Develop and improve tools to facilitate administration of surface and groundwater resources.

Timing	Performance Measure	Benchmark
FY 17	Develop spreadsheet tool for predicting flows in the Snake River below Swan Falls dam.	Complete tool development by January 2017.
FY 17	Develop Water Right Accounting program for Big Lost River basin by July 2017.	<ul style="list-style-type: none"> • Release initial WRA program by August 2016 and test during 2016 with implementation during 2017 irrigation season. • Complete program documentation by September 2017.
FY 17-20	Upgrade Storage programs for Water Districts 01, 63, and 65.	<ul style="list-style-type: none"> • Complete documentation of core algorithms by December 2017. • Translate code from FORTRAN to C# by December 2018. • Document basin-specific special calculations by December 2020.
FY 17-20	Construct and calibrate a transient groundwater flow model for the Treasure Valley aquifer system.	<ul style="list-style-type: none"> • Establish drain monitoring network in October 2016. • Process METRIC evapotranspiration data for 8 years by December 2018. • Construct model by December 2019. • Calibrate model and issue final report by June 30, 2021.

Objective 2: Technically support the administration of surface and groundwater rights in tributary valleys of the eastern Snake River Plain.

Timing	Performance Measure	Benchmark
FY 17	Conduct supporting analyses.	<ul style="list-style-type: none"> • Delineate extent of hydraulically connected tributary aquifer systems by September 2016. • Develop methodology for implementing conjunctive administration by December 2016.

Objective 3: Technically support the minimum flow provisions of the Swan Falls Agreement.

Timing	Performance Measure	Benchmark
FY 17-18	Improve accuracy of Adjusted Average Daily Flow (AADF) calculations for evaluating compliance with the minimum flow provisions of the Swan Falls Agreement.	<ul style="list-style-type: none"> • Complete evaluation of alternate gage for measuring flows in the Snake River below Swan Falls Dam by April 2017. • Incorporate stage-weighting scheme into calculation of AADF by December 2016. • Update the Streamflow Measuring and Monitoring Plan to reflect changes to the AADF calculation by June 2017.

Goal 3: Promote and finance projects that will ensure sustainability of water sources into the foreseeable future and that will optimize the use of water of the State of Idaho.

PLANNING BUREAU OBJECTIVES

Objective 1: Eastern Snake Plain Aquifer Managed Recharge Program

Timing	Performance Measure	Benchmark
FY 17-24	Implement a 250,000 acre-foot average annual managed recharge program for the Eastern Snake Plain Aquifer consistent with SCR138.	<ul style="list-style-type: none"> Develop infrastructure and institutional arrangements sufficient to recharge an average annual of 200,000 AF by 2019. Develop infrastructure and institutional arrangements sufficient to recharge an average of 250,000 AF by 2024.

Objective 2: Mountain Home Water Supply Project

Timing	Performance Measure	Benchmark
FY 17-21	Complete the Mountain Home Air Force Water Supply Project by 2021 to ensure sustainable water supply for the Base and relieve demands on over-drafted aquifer.	<ul style="list-style-type: none"> Selection of "Owners Representative" through RFQ by end of Q2 FY 17. Begin project delivery/procurement in FY 2017. Commence construction by FY 2021.

Objective 3: Priest Lake

Timing	Performance Measure	Benchmark
FY 17-20	Complete Priest Lake Improvements (outlet works and thoroughfare break water structure).	<ul style="list-style-type: none"> Initiate project study in FY 17. Begin project delivery in FY 17 – 18. Complete construction project by FY 20.

Objective 4: Statewide Water Sustainability

Timing	Performance Measure	Benchmark
FY 17-21	Develop and implement strategies for achieving aquifer stabilization in aquifers around the state as directed by the Board consistent with SCR 137.	<ul style="list-style-type: none"> • Complete Palouse Basin Water Supply alternatives Study in 2017. • Complete Elmore County Water Study in 2017. • Together with local partners, determine path forward in Palouse and Elmore County. • Fund development of ground water models and aquifer modeling as necessary. • Undertake managed recharge study in the Treasure Valley in 2017. • Develop path forward on Treasure Valley CAMP.
FY 17	Add the Water Sustainability Policy to the State Water Plan as requested by the Governor.	Water Sustainability Policy added to the State Water Plan during the 2017 legislative session.

Objective 5: New surface water storage projects

Timing	Performance Measure	Benchmark
FY 17-20	Continue, and where appropriate complete, feasibility and development work for surface water storage facilities.	<ul style="list-style-type: none"> • Complete Galloway Study in 2017. • Develop path forward on Boise storage projects with potential Arrowrock and Anderson Ranch enlargements in 2017. • Complete design and environmental compliance for Island Park Reservoir enlargement by 2020.

Objective 6: Board loan program

Timing	Performance Measure	Benchmark
FY 17-20	Refocus the Board's Loan Program to better target loan dollars to meet strategic water infrastructure needs of Idaho.	<ul style="list-style-type: none"> • Ongoing financing of projects through loans that achieve strategic water infrastructure goals as established by the Board.

Goal 4: Management support – enhance the capability of the Department to manage and protect the water resources of the state and serve the public.

FISCAL OBJECTIVES

Objective 1: Manage annual budget requests

Timing	Performance Measure	Benchmark
Ongoing	Ensure that the annual budget request supports the functions of the department.	<ul style="list-style-type: none"> • Coordinate with managers to evaluate their needs and the related costs. • Work with the Director to prioritize the needs of the department.

HUMAN RESOURCES OBJECTIVES

Objective 1: Staffing and Retention

Timing	Performance Measure	Benchmark
FY 17	Enhance the interview/selection processes and the new-hire on-board programs; seek fair and competitive salaries for IDWR employees; and measure turnover & retention.	Utilize applicant and employee feedback; manage salary compression and equity effectively; and define retention and turnover metrics to track success.

ITS BUREAU OBJECTIVES

Objective 1: Identify and implement current technology (workstations, servers, printers, plotters, access methods, software, etc.) for IDWR personnel to do their jobs in an efficient and timely manner.

Timing	Performance Measure	Benchmark
Ongoing	Replace workstations and servers on a four year refresh cycle or as they reach end-of-life/capacity.	<ul style="list-style-type: none"> • Identify four year old workstations and end of life/over capacity servers. • Develop budget and gain approval. • Purchase, configure, and replace end of life systems. • Install new servers as virtual host servers, replacing older “bare metal” servers.
FY 17-18	Provide wireless network access in the Water Center on IDWR’s 5th and 6th floors to provide access for mobile devices to the department’s network for IDWR personnel and direct Internet access for non-IDWR devices.	<ul style="list-style-type: none"> • Conduct site survey. • Develop budget and gain approval. • Purchase and install in identified locations on the 5th and 6th floors to provide wireless access to resources within IDWR.
FY 17-18	Replace 17/18 year old PBX NEC based phone system at the State Office with OCIO VoIP based system.	<ul style="list-style-type: none"> • Test VoIP phones at State Office. • Develop budget and gain approval for NEC system replacement. • Work with OCIO in configuration/installation. • Provide end user training.
FY 17-18	Implement remote access server environment to provide regional offices faster and more consistent response times.	<ul style="list-style-type: none"> • Investigate leading remote access technology for applicability at IDWR. • Develop budget and gain approval to implement State Office based server farm. • Convert single use Esri licenses to floating licenses. • Purchase and implement at State Office and each regional office.

FY 17-18	Replace the NetApp Storage Area Network currently in place with an appropriate storage system with adequate storage capability for current needs and expandability for future needs	<ul style="list-style-type: none"> • Evaluate storage systems currently on the market. • Select best fit storage system. • Develop budget and gain approval to purchase. • Purchase and implement – migrate all data to the new solution.
----------	---	---

Objective 2: Transition the IDWR public web-site to be the primary source of general water information for the public.

Timing	Performance Measure	Benchmark
FY 17-18	Continue to upgrade IDWR web site. Enhance intuitive function of public web site.	Implement upgrades and revisions on a continuing basis as requested by staff and administration.
FY 17-18	Track web traffic and obtain information about web use for web site re-design.	Ongoing through completion of website redesign.
FY 17-20	Develop applications that will allow the public to submit accurate information to IDWR.	Establish or improve online business processes used by the public. These updated or improved online applications should use GIS processes to increase the accuracy of information obtained from the public and streamline data entry. (FY 17 - 20)

Objective 3: Expand and Improve Implementation of Geographic Information and Remote Sensing Technologies.

Timing	Performance Measure	Benchmark
FY 17-18	Enhance Remote Sensing and GIS applications to improve accuracy, ease, and flow of business processes.	Complete at least three new desktop and internet applications per year. Integrate GIS into new IDWR business processes. (on-going)
FY 17	Upgrade and enhance spatial technology hardware and software.	Expand and improve business processes with new technology. (FY 17)
FY 17-18	Create and obtain datasets that will assist business processes. (e.g., lidar imagery, tax lots, census data, etc.). Data includes internally created data, and external data used by IDWR staff	Additional data will be loaded on GIS servers. Existing data will be updated as needed.

	in processing water rights.	
FY 17 – Ongoing	Perform GIS services and serve GIS data to internal and external IDWR customers.	<ul style="list-style-type: none"> • Consider and strategically deploy new data service methods such as cloud based services. (FY 17). • Develop internet based applications to allow the public and IDWR customers to obtain information from the hydrologic database. (FY 18)
FY 17	Develop and improve hydrology database applications to edit, query, and publish data such as: groundwater levels, spring discharges, irrigation return flows, etc.	Modify hydrology applications to take advantage of new data structure currently being developed. (FY 17)

Objective 4: GIS Department Support

Timing	Performance Measure	Benchmark
FY 17-19	Train IDWR staff and answer user questions.	Conduct training classes and develop support documents on the use of GIS software and tools.
FY 17-19	Create Maps, pdfs, and analyses.	Develop and deliver GIS products to IDWR users as needed.
Ongoing	Conduct community education and outreach programs.	<ul style="list-style-type: none"> • Develop presentations – web based and in person – to present IDWR’s functions and services to public groups/organizations. • Continue to develop “how tos” and/or introduction to tools currently available on IDWR.Idaho.gov.

Follow up

Infrastructure Assessment

Staffing and organizational structure has been touched on in the previous text, but needs to be discussed in greater detail. Priorities in the zero based budget process have required maintenance or an increase in staffing for some programs, and a reduction or near elimination of lesser priority programs. For instance, IDWR continues to dedicate additional personnel resources to eliminate backlogs in applications for transfer and ownership changes.

Increases in staffing levels combined with loss of personnel and other resources because of reductions in funding negatively impacts other programs.

Possible loss of federal funds as a result of federal belt tightening will impact some IDWR programs such as dam safety, GIS, injection well oversight, flood insurance, and water monitoring.

Implementation, Monitoring, and Revision

The management team has agreed to review the plan periodically during the upcoming fiscal year.