

ASSURED WATER SUPPLY IMPLEMENTATION GUIDANCE: JANUARY 2024

MODERN ZONING CODE
USER GUIDE

CITY *of* **BOISE**

Boise is committed to appropriate growth that does not exceed the supply of available water. The purpose of this User Guide is to provide additional information to support the implementation of Assured Water Supply requirements (11-04-010.) in the Modern Zoning Ordinance.

Assured Water Supply
Implementation Guide
for Boise Zoning Code (11-04-010)
City of Boise, ID

Table of Contents

Contents

ASSURED WATER SUPPLY IMPLEMENTATION GUIDANCE: JANUARY 2024 1

Table of Contents 1

Part I – Assured Water Supply Guidance 1

Goals and Purpose 1

Glossary of Terms 2

Elements of Demonstrating Assured Water Supply 3

Applicability 3

Assured Water Supply Application Options 4

Assured Water Supply Application A – Designated Water Providers 4

Assured Water Supply Application B – Applicants Seeking AWS for Development within a DWP’s Service Area 4

Assured Water Supply Application C – Onsite Water System or Well(s) 5

Exemptions 5

Assistance for Compliance 6

Representations 6

Certification and Recertification 7

Application Review Process 8

Part II – Assured Water Supply Application A 1

Section A – Designated Water Provider Information 2

Section B – Service Area Information 4

Section C – Demand Information 5

Section D – Physical and Legal Water Availability 8

Section E – Continuous Water Availability 12

Section F – Adequate Delivery and Quality 15

Section G – Compliance with GMD, CGA, GMA, and ARD Standards 18

Section H – AWS Certificate 19

Section I – Application Checklist 20

Part II – Assured Water Supply Application B 1

Section A – Applicant Information 2

Section B – Development Information 4



Section C – Basic Water Supply Information..... 7

Section D – AWS Certificate11

Section E – Application Checklist12

Part II – Assured Water Supply Application C..... 1

Section A – Applicant Information..... 2

Section B – Development Information 4

Section C – Demand Information 7

Section D – Physical and Legal Water Availability10

Section E – Continuous Water Availability.....14

Section F – Adequate Delivery and Quality.....17

Section G – Compliance with GMD, CGA, GMA, and ARD Standards20

Section H – AWS Certificate21

Section I – Application Checklist.....22



Part I – Assured Water Supply Guidance

Boise City is committed to appropriate growth that does not exceed the available water supply. The purpose of this section of the Boise Zoning Code (Code) is to confirm, before approval, the long-term adequacy of water supplies to serve the development or redevelopment of land.

This Assured Water Supply (AWS) Implementation Guide (Guide) for the City of Boise, ID, (City) outlines key steps and considerations for assessing water demands and supplies, identifying potential water sources, and complying with legal and regulatory provisions of the Code. By integrating water supply into land use planning, the City will be provided the tools to proactively ensure an adequate water supply in quantity, dependability, and quality for Boise's existing and future users.

Goals and Purpose

This Guide is intended to clarify the AWS technical requirements as provided in Boise City Code 11-04-010.

This Guide was developed to assist applicants in completing an AWS application in Part 2 of this Guide. The AWS application will identify current and potential future demands needed to supply water throughout the respective service areas and to proposed development areas and/or redevelopment areas. The AWS application examines water supply planning methods of a service area, proposed development, or redevelopment, and takes into consideration the impact of growth and development by identifying previously issued determinations of AWS, Designated Water Provider (DWP) service areas, and groundwater wells, as well as underground and surface water storage facilities.

The City recognizes that water supply is regulated by several state agencies and developed the AWS provisions with feedback from relevant state agencies and stakeholders, therefore this does not duplicate or conflict with such jurisdiction. Pursuant to the Local Land Use Planning Act (LLUPA), however, the City will consider the impact of development on water supplies and water quality. AWS provisions protect and benefit residents, the development community, DWPs, and other regulatory agencies by ensuring that land development and growth align with long-term water supply needs. These provisions are intended to supplement the roles and responsibilities of the State of Idaho's water supply regulators solely for planning and zoning purposes to confirm that water resources will be available to serve continued growth in Boise.

Glossary of Terms

The following terms are utilized and referenced throughout the Guide and AWS applications.

Term	Definition/Reference
Applicant	Individuals, owners, or developers, as referenced in Application B and Application C.
Aquifer Recharge District (ARD)	Defined by Idaho Code § 42-4201 et seq.
Assured Water Supply (AWS)	A water supply that meets the criteria as set forth in Boise City Code 11-04-010.5.
Boise City Code (Code)	Codification of ordinances adopted by the City Council to govern the City of Boise, and including the Boise Zoning Code, Title 11 (Development Code), as adopted by City Council, Ordinance 27-23, on July 18, 2023, and codified in the Code.
Certificated Area	An area defined by the Idaho Public Utilities Commission within which water service is provided by a Designated Water Provider.
Critical Groundwater Area (CGA)¹	Defined by Idaho Code § 42-233a. CGA is synonymous with Critical Ground Water Area (CGWA) as utilized by the State of Idaho.
Designated Water Provider (DWP)	Every certified provider of water for drinking or general domestic uses as a public utility, with a Certificated Area within the City limits or the City Area of Impact, and that intends to serve any proposed redevelopment or new development subject to the AWS requirements.
Groundwater Management Area (GMA)¹	Defined by Idaho Code § 42-233b. GMA is synonymous with Ground Water Management Area (GWMA) as utilized by the State of Idaho.
Groundwater Management District (GMD)¹	Defined by Idaho Code § 42-5101 et seq. GMD is synonymous with Ground Water Management District (GWMD) as utilized by the State of Idaho.
Implementation Guide (Guide)	This document, defined herein.
Local Land Use Planning Act (LLUPA)	Idaho Code Title 67, Chapter 65.

Term	Definition/Reference
Planning and Development Services (PDS)	The Department of Planning and Development Services for Boise City as established by Code 1-10G-1 et seq.
Point of Diversion (POD)	The location where water is diverted from a natural source.
Public Water System (PWS)	Defined by Idaho Administrative Code 58.01.08.110. May also be referred to as a public drinking water system/water system/system.
Service Area	An area in which a DWP provides water service and is seeking AWS Certification. For the purposes of this Guide and Code 11-04-010, all Certificated Areas within the City Limits and the City Area of Impact must be included in the Service Area. However, portions of the Certificated Area outside of City limits and the City Area of Impact will only be included in a Service Area as determined by the discretion of the DWP or other City guidance as may be applicable.

¹ Boise recognizes that 'groundwater' is most commonly written as 'Ground Water' in Idaho statute and rule. This document utilizes 'groundwater' throughout, but the two phrases/words are considered synonymous.

Elements of Demonstrating Assured Water Supply

The basic criteria for demonstrating an AWS include:

1. The water supply must be physically and legally available.
2. The proposed supply must be continuously available for 50 years.
3. The water must be of sufficient quality and adequately delivered for the proposed use(s).
4. The proposed water use must comply with Groundwater Management District (GMD), Critical Groundwater Area (CGA), Groundwater Management Area (GMA), and Aquifer Recharge District (ARD) standards.
5. The AWS analysis must adhere to City standards and guidelines, including this Guide.

For specific guidance on meeting the elements of an AWS, refer to Part II containing the AWS applications.

Applicability

Unless otherwise exempt pursuant to Code Section 11-04-010.3, beginning July 1, 2024, these requirements apply to:

1. All proposed development on previously undeveloped lands applicable with the following sections of the Code:
 - a. 11-02-02 Residential Zoning Districts.

- b. 11-02-03 Mixed-Use Neighborhood.
 - c. 11-02-04 Industrial Zoning Districts.
 - d. 11-02-05 Open Land Zoning District.
2. All proposed redevelopment:
 - a. containing five (5) or more dwelling units; or
 - b. located in a GMD defined by Idaho Statute 42-5224; CGA or GMA defined by Idaho Statute 42-233A and 233B, respectively; or an ARD defined by Idaho Statute 42-4202.

Assured Water Supply Application Options

The City has developed three (3) different applications to demonstrate an AWS.

1. AWS Application A was created for DWPs to obtain an AWS Certification or AWS Recertification for their Service Area(s).
2. AWS Application B was created for developers, owners, and individuals (Applicants) seeking an AWS Certification via a “will serve” letter from a DWP who has already obtained an AWS Certification via Application A.
3. AWS Application C was created for developers, owners, and individuals (Applicants) seeking an AWS Certification for a private onsite water system (including community or individual wells). This application form also applies to developers, owners, and individuals seeking an exemption from the provisions of the AWS ordinance.

DWPs or Applicants should only complete the application form that is applicable to them. More information regarding each respective application is included below.

Assured Water Supply Application A – Designated Water Providers

In areas served or planned to be served by publicly or privately owned or operated water utilities, the DWP shall apply for a master AWS Certification addressing the full extent of the DWPs Certificated Area within the City of Boise boundary and the Boise City Area of Impact, at a minimum (the Service Area). The Service Area may include additional lands as determined by the DWP or City guidance as may be applicable. The analysis shall be prepared in accordance with the Code 11-04-010.5 and this Guide.

Assured Water Supply Application B – Applicants Seeking AWS for Development within a DWP's Service Area

For applicants seeking an AWS Certification for a proposed development or redevelopment within a DWP's Service Area, if choosing to utilize water service from the DWP, the applicant must coordinate with the DWP regarding the water service and obtain a “will serve” letter from the DWP. The obtained “will serve” letter must be included as an attachment to AWS Application B. A commitment for service in the “will serve” letter will rely upon an existing DWP AWS Certification and commit a portion of that AWS to the corresponding application. AWS Application B must be submitted to PDS with or prior to any submittal of an application for administrative approval or any

public hearing before Planning and Zoning Commission or City Council, as it may be relevant to the application type.

Assured Water Supply Application C – Onsite Water System or Well(s)

For development and redevelopment projects proposing to utilize an onsite water system, community well, or individual well, the applicant shall submit AWS Application C to PDS. The application shall be submitted prior to any administrative approval or prior to any public hearing before the Planning and Zoning Commission or City Council, as it may be relevant to the application type. Because review and approval of the application by PDS is required prior to the issuance of any development permits by PDS, the applicant should coordinate early with PDS on the timing for submittal to avoid delay in the consideration of the application.

1. For water supply to an individual single-family residence, the requirement to demonstrate an AWS will apply if the water supply is for a new development on previously undeveloped land. If the water supply is for redevelopment of an individual single-family residence, the requirement to demonstrate an AWS will only apply if the proposed redevelopment site is within a GMD, CGA, GMA, or ARD.
2. While this guidance should answer questions about the applicability of these requirements and how to comply, applications may be reviewed on a case-by-case basis as different application types or development scenarios arise. For example, if an applicant for a redevelopment project of four (4) individual lots with single family residences proposes a new planned unit development on those four (4) lots for the creation of eight (8) dwelling units, the project is not exempt, and an AWS analysis will be required.

Exemptions

The Planning Director may exempt a project from the requirements of Code 11-04-010 if the Applicant has submitted information demonstrating that, upon completion of the project and issuance of all required use and occupancy permits, the development or redevelopment will not increase the overall total consumptive use of water at the development site, when compared to the overall total consumptive use of water at the property at the time of application.

Applicants requesting an exemption shall complete as much of the application as possible. The Planning Director may approve exemptions under the following specific circumstances.

1. The Applicant is not a DWP.
2. If the development or redevelopment uses the same amount of water or less than was previously used on the site. See AWS Application C for data needed from Applicant to review and consider this type of exemption request.
3. Individual lot/building permit on lands previously developed or does not meet the applicability standards (See Code 11-04-010.2).

4. Domestic use exemption – For developers/owners seeking use of private wells for domestic uses authorized under Idaho Code § 42-111. See AWS Application C for data needed from Applicant to review and consider this type of exemption request.

Assistance for Compliance

In addition to this Guide, the City will make resources and assistance available to ensure that demonstrating an AWS can be integrated into the application process by PDS without extending the standard time frame for review and approval. To ensure the efficient review and approval of applications as intended, DWPs will be engaged early in the implementation of these provisions and prior to their applicability to work through the requirements and certification process. For applications intended to be submitted after the effective date (July 1, 2024), individual applicants are encouraged to seek additional guidance prior to, or early in the application process.

Representations

The City requires that the representations made by the DWP and/or the Applicant, through any of the AWS application forms are reasonable to rely on. Accordingly, all AWS applications letters must contain statements that:

- 1. The information is true and complete to the best of the signor's knowledge.**

This means, without limitation, that the Applicant or the DWP has conducted its own analysis or reasonably relied upon experts to conduct the analysis, knows the contents of the analysis, and is not aware of any material misrepresentation, misstatement, omission, or other error in the information provided.

- 2. The representations in the written statement are binding upon the signing party and its successor(s) in interest.**

As development and redevelopment are, in a sense, permanent, the representations must be binding upon the signing party and successor in interest. When any material change in circumstance occurs and is subject to AWS Recertification, the signing party or successor in interest will be held to correct and update the written representations.

- 3. The individual executing the application, as applicable, has any and all required authorizations to submit the materials.**

A developer/owner may authorize an expert to submit the AWS Application on behalf of the developer/owner. If an application is completed and signed by an expert, the Applicant must include a statement of that authorization. This is similar to an affidavit of legal interest and a form can be provided by the City.

Certification and Recertification

AWS Certification by PDS is for purposes of an initial application. However, the analysis utilized in the application relies on several factors that may be subject to change, whether it be additional development in the area, climate change, catastrophic events, priority administration of water rights by the state, or any other number of circumstances. The Code provisions on AWS are intended to require recertification only under a limited number of circumstances where the City finds the likelihood of impact to the water supply will be substantially affected. The AWS Recertification circumstances are:

1. More than 10 years have passed since the approval of an AWS.

- a. A DWP must recertify its master AWS Certification every 10 years.
- b. An Applicant shall only be required to apply for recertification if the approved development or redevelopment has not been completed within 10 years from initial AWS Certification. Projects completed within 10 years of AWS approval are not subject to AWS Recertification.

2. Change in scope.

- a. For a DWP, AWS Recertification will be required if the DWP applies to enlarge its Certificated Area.
- b. For a DWP, AWS Recertification may be required if the committed water demands represented by "will serve" letter(s) for proposed development(s) are substantially different than those previously assumed in the associated master AWS Certification. The City reserves the right to evaluate the cumulative effect of "will serve" letters from a DWP in its evaluation of AWS Recertification requirements.
- c. For an Applicant utilizing a private onsite water system, AWS Recertification may be required if, prior to project completion, the water demands of a proposed development are substantially different than those previously assumed in the AWS Certification.

3. Drought.

- a. AWS Recertification is required for all DWPs, and only Applicants whose projects have not been fully completed, if the United States Drought Monitor determines the City has experienced extreme or exceptional drought for a majority of months within each calendar year for a period of three (3) consecutive years.

Application Review Process

In processing the application, the City will first determine whether the application is administratively complete (Administrative Completeness Review) and then whether the application meets the substantive criteria established by Code (Substantive Review).

- Administrative Completeness Review: City staff will conduct an Administrative Completeness Review of the application to determine if the application was appropriately completed. If more information is required, or if an application was inappropriately completed, the DWP or Applicant must provide a revised application submittal that meets all the requirements within the application.
- Substantive Review: Following the Administrative Completeness Review, whereas the application is deemed complete by the City, staff will then conduct a Substantive Review of the application in detail to determine whether or not the DWP or Applicant has demonstrated proof of an AWS. A basic review consideration will be comparing the available supply volume to the projected water demand volume. In addition, the review will consider responses to address missing information and future challenges.
- Final Approval: Upon completion and certification of an AWS Application, City staff will issue an AWS Certification that will be included with the development application submitted to PDS.

Part II – Assured Water Supply Application A

Designated Water Providers

FOR CITY OF BOISE USE ONLY		
City of Boise Planning and Development Services 150 North Capital Blvd. Boise, ID 83702	Date Received:	
Application No.		

Assured Water Supply Application A is intended for a Designated Water Provider (DWP) to demonstrate the requirements to obtain an Assured Water Supply (AWS) Certificate or an AWS Recertification.

Please contact the City of Boise ((208) 608-7100) for additional support with this application including pre-application support and submittal details.



Section A – Designated Water Provider Information

SECTION PURPOSE: *Section A includes general information about the DWP and what the DWP is seeking.*

1. Designated Water Provider:

DWP Name	
----------	--

2. Did the DWP have a pre-application meeting with the City of Boise? If yes, please provide the date of that meeting.

Yes

No

Meeting Date	
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3. Contact Person for Questions Regarding this Application:

Contact Person Name:	
Title:	
Email:	
Phone:	
Office Information	
Mailing Address:	
City:	
Zip Code:	
State:	

4. DWP is seeking:

AWS Certification

AWS Recertification



By signing this document, I certify that:

<input type="checkbox"/>	The information contained in this application and all accompanying information is true and correct to the best of my knowledge and belief.
<input type="checkbox"/>	The DWP intends to be bound to the information and representations herein and will require any successor in interest to also be bound.
<input type="checkbox"/>	I am the sole representative for the DWP or am authorized to sign on behalf of the DWP.

[Light blue rectangular box for Printed Name]

Printed Name

[Light blue rectangular box for Title]

Title

[Light blue rectangular box for Signature]

Signature

[Light blue rectangular box for Date]

Date

This concludes Section A – Designated Water Provider Information of the Application.



Section B – Service Area Information

SECTION PURPOSE: *Section B includes information about the DWP's Service Area and infrastructure locations within the DWP's Service Area.*

1. Provide a general explanation of the DWP's Service Area that is to be included in the AWS Certification or Recertification.

2. Provide a map clearly outlining the extent of the DWP's Service Area, including Boise city limits and impact areas. If this is an AWS Recertification including changes to the DWP's Certificated Area, clearly outline the changes on the map. Provide map as "**Exhibit B-1.**"
3. Provide a map or series of maps including the following information, as applicable. Provide as "**Exhibit B-2.**"
 - **Water Sources:** Identify the water supplies used by the DWP to serve the Service Area. This may include water rights owned by the DWP and water rights rented within the previous five (5) years.
 - **Water Supply Infrastructure:** Identify all utility owned or operated raw water supply infrastructure including wells, diversions, intakes, pumping stations, and raw water supply pipelines.
 - **Water Treatment Plants:** Display the locations of water treatment plants where raw water is treated before distribution.
 - **Water Distribution System:** Display the infrastructure of the water distribution system, including pipelines, water mains, pumping stations, and water storage facilities.
 - **Irrigation Systems:** Identify irrigation system components such as diversions, wells, canals, and ditches.

This concludes Section B – Service Area Information of the Application.

Section C – Demand Information

SECTION PURPOSE: Section C includes information about projected water demands and historical water demands.

1. Provide a completed demand estimate worksheet showing the estimated water demands for the DWP’s Service Area. Provide as “Exhibit C-1.”

2. What is the Current Annual Demand of the Service Area?

The Current Annual Demand is the total water production for the most recently completed calendar year. This includes both potable and non-potable water sources, as well as non-charge water.

Current Annual Demand (acre-feet per year)		Year	
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3. What is the Committed Annual Demand of the Service Area?

The Committed Annual Demand is the maximum estimated annual demand for currently approved and not-yet-completed developments within the Service Area. Committed demand includes water that has been allocated to users via “will serve” letters. The Committed Annual Demand should not be included within the Current Annual Demand value.

Committed Annual Demand (acre-feet per year)	
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4. What is the Projected Annual Demand of the Service Area?

The Projected Annual Demand is the maximum estimated demand for future developments and other increased usage expected to be added during the 10-year term of the designation for AWS. Projected demand estimates should include water that has not been committed or allocated to users. The Projected Annual Demand should not be included within the Current Annual Demand or the Committed Annual Demand.

Projected Annual Demand (acre-feet per year)	
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5. What is the Total Annual Demand of the Service Area?

The Total Annual Demand is the sum of the current, committed, and projected demand during the term of the designation for AWS and should be based on total demand calculated to be required at the end of the 10-year term of the designation for AWS.

Total Annual Demand (acre-feet per year)	
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6. Complete the table below to identify water demand projections for the Service Area included in this application. Year 1 shall be the year of this application.

Year						Full Buildout of Service Area
Year No.	1	5	10	25	50	
Projected Population Served						
Total Annual Demand Estimate <i>Represented in acre-feet per year</i>						
Average Daily Demand Estimate <i>Represented in acre-feet per day</i>						
Maximum Daily Demand Estimate <i>Represented in acre-feet per day</i>						
Maximum Wintertime Daily Demand Estimate <i>Represented in acre-feet per day</i>						



7. Complete the table below regarding historical water demands. Provide the average and maximum day water demands for the past 10 years.

Year	Average Day Demand		Maximum Day Demand	
	Year	Quantity (acre-feet per day)	Date	Quantity (acre-feet per day)
1 Year Ago				
2 Years Ago				
3 Years Ago				
4 Years Ago				
5 Years Ago				
6 Years Ago				
7 Years Ago				
8 Years Ago				
9 Years Ago				
10 Years Ago				

8. Provide data or a chart displaying the historical (at least 10 years) average and maximum water demands by month, so seasonal trends can be observed. Provide as "**Exhibit C-2**".

This concludes Section C – Demand Information of the Application.



Section D – Physical and Legal Water Availability

SECTION PURPOSE: *Section D includes requirements and questions to demonstrate with a reasonable likelihood that the water supply is physically and legally available.*

1. Demonstrate sufficient legal water availability by providing the following:
 - A detailed list or spreadsheet of the DWP's water right permit(s) or license(s) issued by the Idaho Department of Water Resources (IDWR) or water right decrees issued by a court of competent jurisdiction. The list should include water right numbers, priority dates, authorized uses, diversion rates, water sources, places of use, and authorized annual diversion volumes as well as annual consumptive use volumes. Provide as "**Exhibit D-1**".

2. Demonstrate sufficient physical water availability by providing the following:
 - A hydrologic analysis demonstrating the physical water supply, under such right(s), when used consistently over time, will be sufficient to meet the forecasted demand at full buildout within the existing Certificated Area. Provide as "**Exhibit D-2.**" The hydrologic analysis shall be signed and sealed by a professional geologist or qualified professional engineer licensed in the state of Idaho, and must be clearly written, contain an executive summary and an orderly presentation of data, and utilize currently accepted scientific practices. The hydrologic analysis shall include, at a minimum, the following elements:
 - o Description of the study area corresponding with the Service Area defined in this application;
 - o Description of all supply sources;
 - o Water demand information, including current annual demand, committed demand, projected demand, and total annual demand;
 - o Summary of maximum depth to static water levels after 50 years; and
 - The hydrologic study shall outline the DWP's steps and the data collected to demonstrate groundwater availability. The DWP must demonstrate groundwater is available in the aquifer and have the financial capability to access the groundwater at depth. The hydrologic study should evaluate and demonstrate the physical availability of the groundwater based on depth-to-static water level after 50 years of pumping to meet the projected total demand.
 - o Aquifer characterization and evaluation, including:
 - **Geologic Background** – Describe geologic units in the Service Area with formation/unit names, lithologic descriptions, thickness, and whether unit is water-bearing. The description must also identify the

depth to bedrock in the Service Area and how groundwater supplies are affected by depths found in the Service Area. Include a map showing bedrock depths below land surface with a 100' contour interval or less.

- **Geologic Structure** – Describe major and minor structural features like faulting and fractured groundwater flow.
- **Geophysical Information** – Present all geophysical logs with data and location points and additional geophysical studies relevant to water supply, like gravity and resistivity.
- **Geologic Maps and Cross-Sections** – Include a geologic map showing detailed surface geology with any structural features, appropriate geologic cross-sections, water-bearing units, bedrock units, volcanic, fine-grained units, low permeability units, faults, wells listing total depths, water levels, perched groundwater zones, and the location of the Service Area.
- **Aquifer Description** – Provide a detailed description of water-bearing units, thickness, confined/unconfined conditions, lateral extent, lithologic characteristics, and range of saturated thickness. The range of variability of the water producing aquifers in the Service Area.
- **Description of Well(s) to be used** – Demonstrate the wells have sufficient capacity and/or will be constructed in a timely manner to serve the proposed uses for 50-years. Provide the details of existing and future wells, including cadastral location, estimated saturated thickness and depth to bedrock in each well, number of wells needed to meet demand, well construction, specific capacity for wells, and existing well conditions.
- **Aquifer Tests** – Conduct aquifer test for the proposed volume of groundwater withdrawal. Aquifer tests incorporating observation wells are the preferred testing methodology.
- **Groundwater Levels** – Present current measurements for static water levels across the Service Area. Measurements shall be in tabular format with both elevation above mean sea level and depth to static water levels below land surface.
- **Changes in Water Levels** – Describe any water level decline rates and include hydrographs with trend analysis for both long-term period of record (50-years) and a short-term period of record (10-years). Include an estimate of the decline rate based on the decline rate data.
- **Aquifer Recharge/Discharge** – Describe the natural recharge and discharge of the aquifer. Include a map illustrating recharge,

underflow, and discharge areas, and incorporate a conceptual water budget for the services area.

3. Does the DWP have the legal right to divert and use water to serve the DWP's Service Area?

- Yes
- No

Please explain.

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4. Does the DWP rent water rights to supply the DWP's Service Area?

- Yes
- No

Please explain.

--

5. What is the total appropriated volume of the DWP's existing water rights portfolio?

Total Appropriated Volume (Acre-Feet)	
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6. Based on the DWP's existing water rights, what is the estimated population that can be served within the Service Area:

Estimated Population Served	
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7. Will new water rights (permits and/or licenses) be required to supply the Service Area?
- Yes
 - No

Please explain.

8. Does the DWP have proof of raw water storage contracts? If yes, please explain and include as **“Exhibit D-3.”**
- Yes (please explain)
 - No

9. Does the DWP have any long-term purchase, exchange, or option agreements related to water supply? If yes, please explain and include as **“Exhibit D-4.”**
- Yes (please explain)
 - No

This concludes Section D – Physical and Legal Water Availability of the Application.



Section E – Continuous Water Availability

SECTION PURPOSE: Section E includes requirements and questions to demonstrate with reasonable likelihood that the water supply will be continuously available for 50 years.

1. Please check all administrative/legal authorizations available to the DWP as a source of water supply used to meet the existing demands in the DWP's system:

- Groundwater Rights
- Surface Water Rights (Boise River)
- Surface Water Rights (other than Boise River)
- Reservoir Storage Contract Entitlements
- Idaho Water Supply Bank Water Right Rentals
- Irrigation District Entitlements
- Canal Company Shares
- Recycled Water Allocations
- Other (Please explain)

2. If the DWP checked surface water rights above, does the DWP measure and/or monitor streamflow characteristics? Please explain.

- Yes
- No
- Not Applicable

3. If the DWP checked surface water rights above, does the DWP lease surface water from or provide water to other entities? If yes, please explain.

- Yes
- No
- Not Applicable



4. If the DWP checked surface water rights above, does the DWP have any seasonal withdrawal constraints (e.g. can only withdraw water during certain months or under certain streamflow conditions)? If yes, please explain.

- Yes
- No
- Not Applicable

5. If the DWP checked groundwater rights above, does the DWP measure levels in groundwater wells?

- Yes
- No
- Not Applicable

6. For each well, provide the IDWR well tag number or well ID number and affirm that well log (water level measurements) for the most recent 25-year period of record are attached as "Exhibit E-1". Provide additional sheets as necessary.

IDWR Well Permit No.	Water Level Well Logs Attached	If No, Explain why this data is not provided
	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	<input type="checkbox"/> Yes <input type="checkbox"/> No	



7. Did the DWP sell water to another water system (public or private) during the past 10 years? If yes, please explain.
- Yes (please explain)
 - No

8. Did the DWP purchase or lease water from another water system (public or private) during the past 10 years? If yes, please explain.
- Yes (please explain)
 - No

9. Does the DWP have plans, programs, and/or policies regarding drought management, water demand management, water conservation, and integrated water resources management? If yes, include as "**Exhibit E-2**". If DWP checked 'yes', please provide an explanation on the plans, programs, and/or policies that are established. If DWP checked 'no', please provide an explanation of why the aforementioned plans, programs, and/or policies are not established.
- Yes
 - No

Please explain.

This concludes Section E – Continuous Water Availability of the Application.



Section F – Adequate Delivery and Quality

SECTION PURPOSE: Section F includes requirements and questions to demonstrate with reasonable likelihood that the water provided by the DWP is of sufficient quality and adequately delivered for the proposed use(s).

- 1. DWP shall provide copies of the following documents:
 - Most recently updated facilities plan(s) for water supply, treatment, storage, and distribution systems. Provide as “**Exhibit F-1**”.
 - Annual consumer confidence reports for the previous 10 years. Provide as “**Exhibit F-2**”.

- 2. Does the DWP operate water treatment facilities? If yes, please identify and describe.
 - Yes
 - No

- 3. What is the current and projected 10-year water treatment capacity of the DWP's treatment facilities?

Current Treatment Capacity (acre-feet per year)		Future 10-Year Estimated Treatment Capacity (acre-feet per year)	
---	--	--	--

- 4. Does the DWP operate finished water storage facilities? If yes, please identify and describe.
 - Yes
 - No



5. What is the current and projected 10-year storage capacity of the DWP's storage facilities?

Current Storage Capacity (acre-feet per year)		Future 10-Year Estimated Storage Capacity (acre-feet per year)	
---	--	--	--

6. Does the DWP conduct or utilize hydraulic modeling to help determine infrastructure sizes and anticipated system operating conditions?

- Yes
- No

Please explain.

7. Does the DWP have an infrastructure asset management plan, or similar document such as an asset inventory, and inspection and replacement schedule? If yes, provide as "**Exhibit F-3**".

- Yes
- No

8. What is the anticipated average and low distribution system operating pressure within the Service Area?

Average Distribution System Operating Pressure within the Service Area (psi)	
Low Distribution System Operating Pressure within the Service Area (psi)	

9. What is the average water age (in days) within the Service Area?

Average water age within the Service Area	
---	--



10. Does the DWP provide adequate fire flow?

- Yes
- No

Please explain.

11. In the previous 10 years, were there any instances where the DWP could not meet water demands? If yes, please explain.

- Yes
- No

This concludes Section F – Adequate Delivery and Quality of the Application.



Section G – Compliance with GMD, CGA, GMA, and ARD Standards

SECTION PURPOSE: *Section G includes requirements and questions to demonstrate with reasonable likelihood that the proposed water use complies with Groundwater Management District (GMD), Critical Groundwater Area (CGA), Groundwater Management Area (GMA), and Aquifer Recharge District (ARD) standards.*

If all or part of the Service Area is located in a GMD, CGA, GMA, or ARD, the AWS Certification will be conditioned on meeting applicable state standards and requirements.

1. Is all or part of the Service Area is located within a (check all that apply):
 - Groundwater Management District (GMD)
 - Critical Groundwater Area (CGA)
 - Groundwater Management Area (GMA)
 - Aquifer Recharge District (ARD)
 - Not located in GMD, CGA, GMA, or ARD

Note that the State of Idaho utilizes the following acronyms for GMD, CGA, GMA:

- GMD as Ground Water Management District (GWMD)
 - CGA as Critical Ground Water Area (CGWA)
 - GMA as Ground Water Management Area (GWMA)
2. If all or part of the Service Area is located within a GMD, CGA, GMA, or ARD, the DWP shall explain in narrative form how the provision of water to portions of the Service Area that are within a GWM, CGA, GMA, or ARD are compliant with all applicable standards and requirements for management of water within the designated area, including but not limited to management plans, policies, mitigation strategies and other water conservation practices. Include attachments as necessary as **“Exhibit G-1”**.

This concludes Section G – Compliance with GMD, CGA, GMA, and ARD Standards of the Application.

Section H – AWS Certificate

Application No.	
AWS Certification No.	

For City of Boise Staff Use Only

Approved Approved with Conditions Below

Pursuant to Code 11-04-010, notice is hereby given that the subsequent application has been reviewed and an AWS Certificate has been approved given the following conditions:

Special Conditions	
1.	EXAMPLE: The following technical requirements pursuant to Code 11-04-010
2.	EXAMPLE: Approval of "New Water Rights" not secured at this time.
3.	

Printed Name

Title

Signature

Date



Section I – Application Checklist

SECTION PURPOSE: Section I includes a checklist (to be completed by the DWP) to ensure the DWP completed the appropriate sections and attached the required exhibits.

General Checklist for Submission		
<input type="checkbox"/>	1.	Did the DWP complete all sections of the application form?

Required Exhibits			
<input type="checkbox"/>	B-1	Did the DWP provide a map showing the Service Area extents and/or changes to the Service Area as Exhibit B-1?	Required
<input type="checkbox"/>	B-2	Did the DWP provide a map or map(s) showing locations of water sources, water supply infrastructure, water treatment plants, water distribution system, and irrigation systems as Exhibit B-2?	Required
<input type="checkbox"/>	C-1	Did the DWP provide a demand estimate worksheet as Exhibit C-1?	Required
<input type="checkbox"/>	C-2	Did the DWP provide monthly water demands for the previous 10 years as Exhibit C-2?	Required
<input type="checkbox"/>	D-1	Did the DWP provide a copy of water right permit(s) or license(s) as Exhibit D-1?	Required
<input type="checkbox"/>	D-2	Did the DWP provide a hydrological analysis as Exhibit D-2?	Required
<input type="checkbox"/>	D-3	Does the DWP have proof of water storage contracts? If yes, did the DWP explain and provide as Exhibit D-3?	Required, as applicable
<input type="checkbox"/>	D-4	Does the DWP have any long-term purchase, exchange, or option agreements related to water supply? If yes, did the DWP explain and provide as Exhibit D-4?	Required, as applicable
<input type="checkbox"/>	E-1	Did the DWP include groundwater well information, including registration number, water level measurements, and dates as Exhibit E-1?	Required, as applicable

Required Exhibits			
<input type="checkbox"/>	E-2	Did the DWP include plans, programs, and/or policies regarding drought management, water demand management, water conservation, and integrated water resources management? Provide as Exhibit E-2.	Required, as applicable
<input type="checkbox"/>	F-1	Did the DWP include copies of its most recently facilities plan(s)? Provide as Exhibit F-1.	Required
<input type="checkbox"/>	F-2	Did the DWP include copies of its annual consumer confidence reports for the previous 10 years? Provide as Exhibit F-2.	Required
<input type="checkbox"/>	F-3	Did the DWP include asset management plans and/or asset inventory information as Exhibit F-3?	Required, as applicable
<input type="checkbox"/>	G-1	If the property is located within Groundwater Management District (GMD), Critical Groundwater Area (CGA), Groundwater Management Area (GMA), and Aquifer Recharge District (ARD), the DWP shall explain how applicable standards and requirements are met. Did the DWP include attachments as necessary as Exhibit G-1?	Required, as Applicable

This concludes Section I – Application Checklist of the Application.



Part II – Assured Water Supply Application B

Applicants seeking AWS for Development within a DWP's Service Area

FOR CITY OF BOISE USE ONLY		
<p align="center">City of Boise Planning and Development Services 150 North Capital Blvd. Boise, ID 83702</p>	Date Received:	
Application No.		

This Assured Water Supply Application B is intended for developers, owners, and individuals (Applicants) seeking an AWS Certification for a proposed development or redevelopment within a DWP's Service Area, if choosing to utilize water service from the DWP. The applicant must coordinate with the DWP regarding the water service and must obtain a "will serve" letter from the DWP. Additionally, the Applicant may be required to coordinate with the DWP to answer some of the questions throughout this application.

The Applicant must obtain a "will serve" letter from the DWP and include the "will serve" letter as an attachment to AWS Application B. Additionally, the DWPs existing AWS Certification must demonstrate with reasonable likelihood that an AWS is available for the development or redevelopment referenced in this application.

AWS Application B must be submitted to PDS with or prior to any submittal of an application for administrative approval or any public hearing before Planning and Zoning Commission or City Council, as it may be relevant to the application type.

Please contact the City of Boise ((208) 608-7100) for additional support with this application including pre-application support and submittal details.



Section A – Applicant Information

SECTION PURPOSE: Section A includes general information about the Applicant and what the Applicant is seeking.

1. Did the Applicant have a pre-application meeting with the City of Boise? If yes, please provide the date of that meeting.

- Yes
- No

Meeting Date	
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2. Applicant type:

- Individual Applicant
 Developer/Owner
 Other

If other, please explain:

3. Contact person for questions regarding this application:

Contact Person Name:	
Title:	
Email:	
Phone:	
Mailing Address:	
City:	
Zip Code:	
State:	



4. This Application pertains to:

- New Development
- Redevelopment of Existing Development
- Single-Family Residence
- Other

If other, please explain:

By signing this document, I certify that:

<input type="checkbox"/>	The information contained in this application and all accompanying information is true and correct to the best of my knowledge and belief.
<input type="checkbox"/>	I intend to be bound to the information and representations herein and will require any successor in interest to also be bound.
<input type="checkbox"/>	I am the Applicant or am authorized to sign on behalf of the Applicant.

Printed Name

Title

Signature

Date

This concludes Section A – Applicant Information of the Application.



Section B – Development Information

SECTION PURPOSE: Section B includes general information about the development.

NOTE: The term “Development” in this section hereafter means new development, redevelopment, or single-family residence.

1. Name and location of Development:

Name of the Development (if applicable):	
City:	
County:	
Township:	
Range:	
Section(s):	
Government Lot and/or Public Land Survey System (PLSS) Quarter-Quarter description	
County Parcel ID number	

Provide a site location map showing the zoning of the Development. **Provide as “Exhibit B-1”**

2. Owner of the property or developer (if applicable) (attached additional sheets, if necessary):

Owner:	
Mailing Address:	
Email:	
Phone:	

Developer (if applicable):	
Mailing Address:	
Email:	
Phone:	



3. Provide a general explanation of the Development area where water service will be provided:

--

4. Development size and lot information:

How large is the Development (in acres)?	
How many lots are in the Development?	
How many single-family dwelling units are located or will be located within the Development?	
How many multi-family dwelling units are located or will be located within the Development?	

5. Please provide the area distribution (in acres) of the Development:

Zoning District	Area (in acres)
Open Land (A-1, A-2)	
Residential (R-1A, R-1B, R-1C, R-1M, R-2, R-3)	
Mixed Use (MX-1, MX-2, MX-3, MX-4, MX-5, MX-U)	
Industrial (M-1, M-2, T-1, T-2)	
Planned Unit Development (PUD)	
Other	



6. What is the predominant landscaping type planned in the Development?

- Low Water Use Landscaping (Xeriscape)
- Turf
- Not Landscaped; Not Irrigated
- Other, Please Explain

This concludes Section B – Development Information of the Application.



Section C – Basic Water Supply Information

SECTION PURPOSE: Section C includes information about the planned water supply to the Development.

This Section shall be completed and signed by the Applicant who will obtain a "will serve" letter from a DWP who has obtained AWS Certification for the area of the Development.

Note this form is for water service commitment for properties, developments, and lands located within a DWP's Service Area having an existing AWS Certification. Properties, developments, and lands outside a DWP's AWS Certification Area are not eligible to submit an AWS Application B until the DWP obtains AWS Certification from the City of Boise.

This application must include a site plan drawn to scale and showing all existing and proposed improvements. Show utility easements, water mains and water system appurtenances, water service connections, etc. Provide as "Exhibit C-1."

Applicant Information:

Name:	
Company (if applicable):	
Title (if applicable):	
Mailing Address:	
Physical Address:	
City:	
Zip:	
Email:	
Phone:	
Assessor Parcel Number:	

DWP Information:

Designated Water Provider:	
Idaho DEQ Public Water System ID #:	
AWS Certification Number:	



1. Has the Applicant obtained a “will serve” letter from a DWP? Provide as “**Exhibit C-2.**”
 - Yes
 - No

2. Has the Applicant confirmed with the DWP that the Development is located within an area where the DWP has received an AWS Certification?
 - Yes
 - No

3. Provide a completed demand estimate worksheet showing the estimated water demands for the Development. Provide as “**Exhibit C-3.**”

4. Please provide the following demand estimates for the Development.

<u>Annual Water Demand</u> at Buildout		Acre-Feet per Year
<u>Average Day Water Demand</u> at Buildout		Acre-Feet per Day
<u>Winter Day Water Demand</u> at Buildout		Acre-Feet per Day
<u>Maximum Day Water Demand</u> at Buildout		Acre-Feet per Day

For questions 5 through 9, the Applicant shall coordinate with the DWP.

5. Explain how the Development is serviceable and was planned for in the DWP’s existing AWS Certification. Include attachments as necessary, including the original demand assumptions for the development area.



6. What are the anticipated average and low distribution system operating pressures within the Development?

Average Distribution System Operating Pressure within the Development (psi)	
Low Distribution System Operating Pressure within the Development (psi)	

7. What is the anticipated average water age (in days) within the Development?

Average water age within the Development	
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8. Will the DWP provide adequate fire flow to the Development?

- Yes
- No

Please explain fire flow characteristics, including anticipated flow and duration.

9. Please provide the estimated number of water service connections within the Development?



Through coordination between the Applicant and the DWP, the Applicant attests to the following:

1. Applicant has obtained a "will serve" letter from a DWP with an existing AWS Certification.
2. Applicant has received confirmation from the DWP that the Development is located within an area where the DWP has received an AWS Certification, or that a formal request has been filed with Idaho Public Utilities Commission to extend the boundaries to include the Development.
3. Applicant has received confirmation from the DWP and the DWP further certifies that the development is within the boundaries of its Service Area, or that the DWP is in the process of recertification to extend its AWS Certification to the expanded service area
4. Applicant has received confirmation from the DWP that the DWP agrees to provide the Development sufficient water to satisfy the potable and/or non-potable water demands of the Development.
5. Applicant has received confirmation from the DWP that the DWP can provide adequate fire flow and distribution system operating pressure to the Development.
6. Applicant attests that the information included is true and complete to the best of the signor's knowledge.
7. Applicant attests that the individual executing the application, as applicable, has any and all required authorizations to submit the materials.
8. The information is true and complete to the best of the signor's knowledge.

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Name of the Applicant's Authorized Agent

Title

--	--

Signature

Date

This concludes Section C – Basic Water Supply Information of the Application.



Section D – AWS Certificate

Application No.	
AWS Certification No.	

For City of Boise Staff Use Only

- Approved
 Approved with Conditions Below

Pursuant to Code 11-04-010, notice is hereby given that the subsequent application has been reviewed and an AWS Certificate has been approved given the following conditions:

Special Conditions	
1.	EXAMPLE: The following technical requirements pursuant to Code 11-04-010
2.	EXAMPLE: Approval of "New Water Rights" not secured at this time.
3.	

Printed Name

Title

Signature

Date



Section E – Application Checklist

SECTION PURPOSE: *Section E includes a checklist (to be completed by the Applicant) to ensure the Applicant completed the appropriate sections and attached the required exhibits.*

General Checklist for Submission		
<input type="checkbox"/>	1.	Did the Applicant complete all sections of the application form?
<input type="checkbox"/>	2.	Did the Applicant include a signed “Will Serve” Letter?

Required Exhibits			
<input type="checkbox"/>	B-1	Did the Applicant provide a site location map showing the zoning of the Development area as Exhibit B-1?	Required
<input type="checkbox"/>	C-1	Did the Applicant provide a site plan drawn to scale and showing all existing and proposed improvements. Show utility easements, water mains and water system appurtenances, water service connections, etc. as Exhibit C-1?	Required
<input type="checkbox"/>	C-2	Did the Applicant obtain and attach a “will serve” letter from an AWS certificated DWP as Exhibit C-2?	Required
<input type="checkbox"/>	C-3	Did the Applicant provide a completed demand estimate worksheet showing the estimated water demands for the Development as Exhibit C-3?	Required

This concludes Section E – Application Checklist of the Application.

Part II – Assured Water Supply Application C

Applicants Seeking AWS for an Onsite Private Water System

FOR CITY OF BOISE USE ONLY		
City of Boise Planning and Development Services 150 North Capital Blvd. Boise, ID 83702	Date Received:	
Application No.		

This Assured Water Supply Application C is intended for developers, owners, and individuals (Applicants) seeking an AWS Certification for a private onsite water system. This application form also applies to developers, owners, and individuals (Applicants) seeking an Exemption.

Applicants may seek an Exemption if one of the following circumstances applies:

- If a development or redevelopment uses the same amount of water or less than was previously used on the site.
- Individual lot/building permit on lands previously developed or does not meet the applicability standards (see 11-04-010.2).
- For Applicants seeking use of private wells for domestic uses authorized under Idaho Code § 42-111.

If Applicant is seeking an Exemption, Applicant shall complete Section A, Section B, and Section C of this AWS Application C.

Please contact the City of Boise ((208) 608-7100) for additional support with this application including pre-application support and submittal details.



Section A – Applicant Information

SECTION PURPOSE: Section A includes general information about the Applicant and what the Applicant is seeking.

1. Did the Applicant have a pre-application meeting with the City of Boise? If yes, please provide the date of that meeting.

- Yes
- No

Meeting Date	
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2. Applicant type:

- Individual Applicant
- Developer/Owner
- Other

If other, please explain:

3. Contact person for questions regarding this application:

Contact Person Name:	
Title:	
Email:	
Phone:	
Mailing Address:	
City:	
Zip Code:	
State:	

4. Applicant is seeking:

- AWS Certification for Private Onsite Water System
- Exemption



5. This Application pertains to:

- New Development
- Redevelopment of Existing Development
- Single-Family Residence
- Other

If other, please explain:

By signing this document, I certify that:

<input type="checkbox"/>	The information contained in this application and all accompanying information is true and correct to the best of my knowledge and belief.
<input type="checkbox"/>	I intend to be bound to the information and representations herein and will require any successor in interest to also be bound.
<input type="checkbox"/>	I am the Applicant or am authorized to sign on behalf of the Applicant.

Printed Name

Title

Signature

Date

This concludes Section A – Applicant Information of the Application.



Section B – Development Information

SECTION PURPOSE: Section B includes information about the development and infrastructure locations within the development site.

NOTE: The term “Development” in this section hereafter means new development, redevelopment, or single-family residence

1. Name and location of Development:

Name of the Development (if applicable):	
City:	
County:	
Township:	
Range:	
Section(s):	
Government Lot and/or Public Land Survey System (PLSS) Quarter-Quarter description	
County Parcel ID number	

Provide a site location map showing the zoning of the Development. Provide as “**Exhibit B-1.**”

2. Owner of the property or developer (if applicable) (attached additional sheets, if necessary):

Owner:	
Mailing Address:	
Email:	
Phone:	

Developer (if applicable):	
Mailing Address:	
Email:	
Phone:	



3. Provide a general explanation of the Development area how water service will be provided:

--

4. Development size and lot information:

How large is the Development (in acres)?	
How many lots are in the Development?	
How many single-family dwelling units are located or will be located within the Development?	
How many multi-family dwelling units are located or will be located within the Development?	

5. Please provide the area distribution (in acres) of the Development:

Zoning District	Area (in acres)
Open Land (A-1, A-2)	
Residential (R-1A, R-1B, R-1C, R-1M, R-2, R-3)	
Mixed Use (MX-1, MX-2, MX-3, MX-4, MX-5, MX-U)	
Industrial (M-1, M-2, T-1, T-2)	
Planned Unit Development (PUD)	
Other	



6. What is the predominant landscaping type planned in the Development?

- Low Water Use Landscaping (Xeriscape)
- Turf
- Not Landscaped; Not Irrigated
- Other, Please Explain

This concludes Section B – Proposed Development Information of the Application



Section C – Demand Information

SECTION PURPOSE: Section C includes information about projected water demands and historical water demands.

1. Provide a completed demand estimate worksheet showing the estimated water demands for the Development. Provide as “Exhibit C-1.”

2. What is the Current Annual Demand of the Development?

The Current Annual Demand is the total water production for the most recently completed calendar year. This includes both potable and non-potable water sources, as well as non-charge water.

Current Annual Demand (acre-feet per year)		Year	
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3. What is the Projected Annual Demand of the Development?

The Projected Annual Demand is the maximum estimated demand associated with the proposed Development that is expected to be added during the 10-year term of the designation for AWS. The Projected Annual Demand should not be included within the Current Annual Demand.

Projected Annual Demand (acre-feet per year)	
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4. What is the Total Annual Demand of the Development?

The Total Annual Demand is the sum of the current and projected demand during the term of the designation for AWS and should be based on total demand calculated to be required at the end of the 10-year term of the designation for AWS.

Total Annual Demand (acre-feet per year)	
---	--



5. Complete the table below to indicate water demand projections for the Development included in this application. Year 1 shall be the year of this application.

Year						Full Buildout
Year No.	1	5	10	25	50	
Projected Population Served						
Total Annual Demand Estimate <i>Represented in acre-feet per year</i>						
Average Daily Demand Estimate <i>Represented in acre-feet per day</i>						
Maximum Daily Demand Estimate <i>Represented in acre-feet per day</i>						
Maximum Wintertime Daily Demand Estimate <i>Represented in acre-feet per day</i>						

6. Is there any historic water use associated with the proposed Development? If 'no', please skip questions 7 and 8.

Yes

No



7. Complete the table below regarding historical water demands. Provide the average day and maximum daily water demands for the past 10 years.

Year	Average Day Demand		Maximum Day Demand	
	Year	Quantity (acre-feet per day)	Date	Quantity (acre-feet per day)
1 Year Ago				
2 Years Ago				
3 Years Ago				
4 Years Ago				
5 Years Ago				
6 Years Ago				
7 Years Ago				
8 Years Ago				
9 Years Ago				
10 Years Ago				

8. Provide data or a chart displaying by month the historical (at least 10 years) average and maximum water demands by month, so seasonal trends can be observed. Provide as "**Exhibit C-2**".

This concludes Section C – Demand Information of the Application.



Section D – Physical and Legal Water Availability

SECTION PURPOSE: Section D includes requirements and questions to demonstrate with a reasonable likelihood that the water supply is physically and legally available.

1. Applicant shall demonstrate sufficient physical and legal water availability by providing one of the following:
 - A detailed list or spreadsheet of the Applicant's water right permit(s), or license(s), issued by the Idaho Department of Water Resources (IDWR), or water right decrees issued by a court of competent jurisdiction. The list should include water right number(s), priority date(s), authorized use(s), diversion rate(s), water source(s), place(s) of use, and annual diversion volumes as well as annual consumptive use volumes. Provide as "**Exhibit D-1**".
 - Alternatively, if the Applicant does not have a water right permit, license, or decree at the time of application, the Applicant may submit a hydrologic analysis demonstrating the physical water supply for the demand of the Development based on maximum permitted occupancy at full buildout. The Applicant should also be prepared to provide a copy of their water right permit application or other IDWR approval authorization that will be the legal basis for their water use. Provide as "**Exhibit D-2.**" The hydrologic analysis shall be signed and sealed by a professional geologist or qualified professional engineer licensed in the state of Idaho, and must be clearly written, contain an executive summary and an orderly presentation of data, and utilize currently accepted scientific practices. The hydrologic analysis shall include, at a minimum, the following elements:
 - o Description of the study area corresponding with the Development defined in this application;
 - o Description of all supply sources;
 - o Water demand information, including current annual demand, projected demand, and total annual demand;
 - o Summary of maximum depth to static water levels after a 50-year period;
 - o Aquifer characterization and evaluation, including:
 - **Geologic Background** – Describe geologic units in the Development with formation/unit names, lithologic- descriptions, thickness, and whether unit is water bearing. The description must also identify the depth to bedrock in the development and how groundwater supplies are affected by depths found in the development. Include a map showing bedrock depths below land surface with a 100' contour interval or less.

- **Geologic Structure** – Describe major and minor structural features like faulting and fractured groundwater flow.
- **Geophysical Information** – Present all geophysical logs with data and location points and additional geophysical studies relevant to water supply, like gravity and resistivity.
- **Geologic Maps and Cross-Sections** – Include a geologic map showing detailed surface geology with any structural features, appropriate geologic cross sections, water-bearing units, bedrock units, volcanics, fine grained units, low permeability units, faults, wells listing total depths, water levels, perched groundwater zones, and the location of the Development.
- **Aquifer Description** – Provide detailed description of water-bearing units, thickness, confined/unconfined conditions, lateral extent, lithologic characteristics, range of saturated thickness. The range of variability of the water producing aquifers in the Development.
- **Description of Well(s) to be used** – Demonstrate the wells have sufficient capacity and/or will be constructed in a timely manner to serve the proposed uses for 50-years. Provide the details of existing and future wells, including cadastral location, estimated saturated thickness and depth to bedrock in each well, number of wells needed to meet demand, well construction, specific capacity for wells, and existing well conditions.
- **Aquifer Tests** – Conduct aquifer test for the proposed volume of groundwater withdrawal. Aquifer tests incorporating observation wells are the preferred testing methodology.
- **Groundwater Levels** – Present current measurements for static water levels across the Development. Measurements shall be in tabular format with both elevation above mean sea level and depth to static water levels below land surface.
- **Changes in Water Levels** – Describe any water level decline rates and include hydrographs with trend analysis for both long-term period of record (50-years) and a short-term period of record (10-years). Include an estimate of the decline rate based on the decline rate data.
- **Aquifer Recharge/Discharge** – Describe natural recharge and discharge of the aquifer. Include a map illustrating recharge, underflow, and discharge areas, and incorporate a conceptual water budget for the services area.

2. Does the Applicant have ownership or legal right to the water supply that will be used to serve the Development?

- Yes
- No

Please explain.

3. Does or will the Applicant rely upon temporary or assigned water rights to supply the Development?

- Yes
- No

Please explain.

4. Based on the Applicant's existing water rights, what is the estimated population that can be served within the Development?

Estimated Population Served	
-----------------------------	--

5. Will new water rights (permits and/or licenses) be required to supply the Development?

- Yes
- No

Please explain.



6. Does the Applicant have proof of raw water storage contracts? If yes, please explain and include as **“Exhibit D-3.”**

- Yes (please explain)
- No

7. Does the Applicant have any long-term purchase, exchange, or option agreements related to water supply? If yes, please explain and include as **“Exhibit D-4.”**

- Yes (please explain)
- No

This concludes Section D – Physical and Legal Water Availability of the Application.



Section E – Continuous Water Availability

SECTION PURPOSE: Section E includes requirements and questions to demonstrate with reasonable likelihood that the Applicant's water supply will be continuously available for 50 years.

1. Please check all legal sources of water supply used to meet the existing demands in the Applicant's system:

- Groundwater Rights
- Surface Water Rights (Boise River)
- Surface Water Rights (other than Boise River)
- Reservoir Storage Contract Entitlements
- Idaho Water Supply Bank Water Right Rentals
- Irrigation District Entitlements
- Canal Company Shares
- Recycled Water Allocations
- Other (Please explain)

2. If the Applicant checked surface water rights above, does the Applicant measure and monitor streamflow characteristics? If yes, please explain.

- Yes
- No
- Not Applicable

3. If the Applicant checked surface water rights above, does the Applicant lease surface water from or provide water to other entities? If yes, please explain.

- Yes
- No
- Not Applicable



4. If the Applicant checked surface water rights above, does the Applicant have any seasonal withdrawal constraints (e.g. can only withdraw water during certain months or under certain streamflow conditions)? If yes, please explain.

- Yes
- No
- Not Applicable

5. If the Applicant checked groundwater rights above, does the Applicant measure levels in groundwater wells?

- Yes
- No
- Not Applicable

6. For each well, provide the IDWR well tag number or well ID number and affirm that well log (water level measurements) for the most recent 25-year period of record are attached as "Exhibit E-1". Provide additional sheets as necessary.

IDWR Well Permit No.	Water Level Well Logs Attached	If No, Explain why this data is not provided
	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	<input type="checkbox"/> Yes <input type="checkbox"/> No	

7. Did the Applicant sell water to another water system (public or private) during the past 10 years? If yes, please explain.

- Yes (please explain)
- No



8. Did the Applicant purchase or lease water from another water system (public or private) during the past 10 years? If yes, please explain.

- Yes (please explain)
- No

9. Does the Applicant have plans, programs, and/or policies regarding drought management, water demand management, water conservation, and integrated water resources management? If yes, include as "**Exhibit E-2**". If Applicant checked 'yes', please provide an explanation on the plans, programs, and/or policies that are established. If Applicant checked 'no', please provide an explanation of why the aforementioned plans, programs, and/or policies are not established.

- Yes
- No

Please explain.

This concludes Section E – Continuous Water Availability of the Application.



Section F – Adequate Delivery and Quality

SECTION PURPOSE: Section F includes requirements and questions to demonstrate with reasonable likelihood that the water provided by the Applicant is of sufficient quality and adequately delivered for the proposed Development.

1. If Applicant qualifies as a PWS, Applicant shall provide copies of the following documents:
 - Most recently updated facilities plan(s) for water supply, treatment, storage, and distribution systems. Provide as “**Exhibit F-1**”.
 - Annual consumer confidence reports for the previous 10 years. Provide as “**Exhibit F-2**”.

2. Does the Applicant operate water treatment facilities?
 - Yes
 - No

3. What is the current and projected 10-year water treatment capacity of the Applicant's treatment facilities?

Current Treatment Capacity (acre-feet per year)		Future 10-Year Estimated Treatment Capacity (acre-feet per year)	
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4. Does the Applicant operate storage facilities?
 - Yes
 - No

5. What is the current and projected 10-year storage capacity of the Applicant's storage facilities?

Current Storage Capacity (acre-feet per year)		Future 10-Year Estimated Storage Capacity (acre-feet per year)	
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6. Please describe the transmission and distribution system infrastructure, including but not limited to pipe sizes, materials, and conveyance capacity that will be utilized to serve the Development. Applicants shall provide the most recently updated facilities plan. Applicants may submit materials provided for compliance with IDWR and DEQ requirements. Include a map or plan sheets of the infrastructure within the Development area as **“Exhibit F-3”**.

6. Does the Applicant have an infrastructure asset management plan, or similar document such as an asset inventory? If yes, provide as **“Exhibit F-4”**.

- Yes
- No

7. Does the Applicant conduct or utilize hydraulic modeling to help determine infrastructure sizes and anticipated system operating conditions?

- Yes
- No

Please explain.

8. What is the anticipated average and low distribution system operating pressure within the Development?

Average Distribution System Operating Pressure within the Development (psi)	
Low Distribution System Operating Pressure within the Development (psi)	



9. What is the anticipated average water age (in days) within the Development?

Average Water Age within the Development (days)	
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10. Does the Applicant provide adequate fire flow?

- Yes
- No

Please explain.

11. Does your system meet the minimum required fire flow and flow durations for buildings based on local requirements (e.g. International Building Code or International Fire Code)? Please explain in detail.

12. What is the operating pressure during a simulated fire flow condition (psi)? Please explain.

13. In the past 10 years, were there any instances where the Applicant could not meet water demands? If yes, please explain.

- Yes
- No
- Not applicable

This concludes Section F – Adequate Delivery and Quality of the Application.



Section G – Compliance with GMD, CGA, GMA, and ARD Standards

SECTION PURPOSE: Section G includes requirements and questions to demonstrate with reasonable likelihood that the Applicant's proposed water use complies with Groundwater Management District (GMD), Critical Groundwater Area (CGA), Groundwater Management Area (GMA), and Aquifer Recharge District (ARD) standards.

If the proposed Development project is located in a GMD, CGA, GMA, or ARD, approval of the Development application will be conditioned on meeting applicable state standards and requirements.

1. Is all or part of the Service Area located within a (check all that apply):

- Groundwater Management District (GMD)
- Critical Groundwater Area (CGA)
- Groundwater Management Area (GMA)
- Aquifer Recharge District (ARD)
- Not located in GMD, CGA, GMA, or ARD

Note that the State of Idaho utilizes the following acronyms for GMD, CGA, GMA:

- GMD as Ground Water Management District (GWMD)
- CGA as Critical Ground Water Area (CGWA)
- GMA as Ground Water Management Area (GWMA)

2. If the property is located within a GMD, CGA, GMA, or ARD, the Applicant shall explain in narrative form how the provision of water to the proposed Development site within a GMD, CGA, GMA, or ARD are compliant with all applicable standards and requirements for management of water within the designated area, including but not limited to management plans, policies, mitigation strategies and other water conservation practices. Include attachments as necessary as **"Exhibit G-1"**.

This concludes Section G – Compliance with GMD, CGA, GMA, and ARD Standards of the Application.

Section H – AWS Certificate

Application No.	
AWS Certification No.	

For City of Boise Staff Use Only

- Approved
 Approved with Conditions Below

Pursuant to Code 11-04-010, notice is hereby given that the subsequent application has been reviewed and an AWS Certificate has been approved given the following conditions:

Special Conditions	
1.	EXAMPLE: The following technical requirements pursuant to Code 11-04-010
2.	EXAMPLE: Approval of "New Water Rights" not secured at this time.
3.	

Printed Name

Title

Signature

Date



Section I – Application Checklist

SECTION PURPOSE: Section I includes a checklist (to be completed by the Applicant) to ensure the Applicant completed the appropriate sections and attached the required exhibits.

General Checklist for Submission		
<input type="checkbox"/>	1.	Did the Applicant complete all sections of the application form?

Required Exhibits			
<input type="checkbox"/>	B-1	Did the Applicant provide a site location map showing the zoning of the Development area as Exhibit B-1?	Required
<input type="checkbox"/>	C-1	Did the Applicant provide the demand estimate worksheet as Exhibit C-1?	Required
<input type="checkbox"/>	C-2	Did the Applicant provide monthly water demands for the previous 10 years as Exhibit C-2?	Required
<input type="checkbox"/>	D-1	Did the Applicant provide either a copy of its water right permit or license issued by the Idaho Department of Water Resources, or a decreed water right issued by a court of competent jurisdiction, or a hydrological analysis as Exhibit D-1?	Required
<input type="checkbox"/>	D-2	Did the Applicant provide a hydrological analysis as Exhibit D-2?	Required, as applicable
<input type="checkbox"/>	D-3	Does the Applicant have proof of water storage contracts? If yes, did the Applicant explain and provide as Exhibit D-3?	Required, as applicable
<input type="checkbox"/>	D-4	Does the Applicant have any long-term purchase, exchange, or option agreements related to water supply? If yes, did the Applicant explain and provide as Exhibit D-4?	Required, as applicable
<input type="checkbox"/>	E-1	Did the Applicant include groundwater well information, including registration number, water level measurements, and dates as Exhibit E-1?	Required, as applicable
<input type="checkbox"/>	E-2	Did the Applicant include plans, programs, and/or policies in regards to drought management, water demand management, water conservation, and integrated water resources management? Provide as Exhibit E-2.	Required, as applicable



Required Exhibits			
<input type="checkbox"/>	F-1	Did the Applicant include copies of its most recently facilities plan(s) as Exhibit F-1?	Required, as applicable
<input type="checkbox"/>	F-2	Did the Applicant include copies of its annual consumer confidence reports for the previous 10 years as Exhibit F-2?	Required, as applicable
<input type="checkbox"/>	F-3	Did the Applicant include a map or plan sheets of the infrastructure within the Development area as Exhibit F-3?	Required
<input type="checkbox"/>	F-4	Did the Applicant include asset management plans and/or asset inventory information as Exhibit F-4?	Required, as applicable
<input type="checkbox"/>	G-1	If the property is located within Groundwater Management District (GMD), Critical Groundwater Area (CGA), Groundwater Management Area (GMA), and Aquifer Recharge District (ARD), the Applicant shall explain how applicable standards and requirements are met. Did the Applicant include attachments as necessary as Exhibit G-1?	Required, as applicable

This concludes Section I – Application Checklist of the Application.

