



## SUSQUEHANNA RIVER BASIN COMMISSION

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### Consumptive Use Application Summary

**Source Name:** PHL100 Data Center Campus

**SRBC Pending No.:** 2024-056

This summary is only a portion of the application materials and is meant to provide general information about the proposed project.

#### 1.0 General

This section requests pertinent information related to the consumptive use, and if applicable, out-of-basin diversion application(s) that are being requested.

#### 1.1 Project Sponsor

Company Name: Amazon Data Services, Inc.

Mailing Address Line 1: 13820 Sunrise Valley Drive

Mailing Address Line 2:

City: Herndon

State: VA

ZIP Code: 20171

#### Contact Person:

First Name: Rowena

Last Name: Claux

Title: Environmental Program Manager

Telephone: (928) 278-2434

Fax:

Mobile: (928) 278-2434

**E-mail:** [rowclaux@amazon.com](mailto:rowclaux@amazon.com)

#### 1.4 Requested Consumptive Use Quantity(ies):

The consumptive use should be entered in million gallons per day (mgd) and rounded up to the nearest one thousand gallons (three decimal places). For multiple sources, provide the total quantity for existing and proposed consumptive use, as applicable.

##### 1.4.1 Projected Design Year:

2039

##### 1.4.2 Existing Consumptive Use Quantity

0.06(mgd)  Peak-day  30-day average

##### 1.4.3 Requested Consumptive Use Quantity

0.06(mgd)  Peak-day  30-day average

## 2.4 Facility Location

Please enter the address of the parcel where the Project Facility is located.

### 2.4.1 Facility Address

Street Address: 1125 Electron Avenue

State: PA

County: Luzerne

Municipality: Salem Township

Zip Code: 18603-6655

## **Project Facility Description**

Amazon Data Services, Inc. is proposing to construct and operate PHL100 Data Center Campus in Salem Township, Luzerne County, PA. The facility will include three data center buildings.

Water will be required during construction for concrete, dust control, hydrostatic testing, and miscellaneous water needs within building footprint. Water for these activities related to construction will be supplied from public water supply (water trucks) and existing on-site water system. Construction at the site is anticipated to begin in June 2024 for Building 1.

The facility will involve consumptive use of water for evaporative cooling units for Building 2 and Building 3. No consumptive use is anticipated for Building 1. Consumptive use of 0.060 million gallons per day (mgd) (30-day average) is estimated for these operations. Operations for Building 2 which will trigger consumptive use of water are anticipated to begin July 2025. There are no planned outages during the operation of the data center campus. During maintenance, the consumptive and non-consumptive water uses will be the same as during regular operations.

Water for potable and evaporative cooling units will be supplied from the existing Production Well 1. The withdrawal rate from the well is limited to 25 gallons per minute (gpm). Pumped water from the well will be used to fill storage tanks at Building 2 and Building 3 before it is routed to the evaporative cooling units. Water that is not evaporated (bleed/non-consumptive) will be collected and discharged to the existing public sewer connection on site.