



## SUSQUEHANNA RIVER BASIN COMMISSION

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### Surface Water Withdrawal Application Susquehanna & Consumptive Use Application Project Summary

**SRBC Pending No.:** 2023-142

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

#### **Project Sponsor**

**Company Name:** Hunlock Creek Energy Center

**Address:** 390 State Route 11

**State:** PA

**City:** Hunlock Creek

**Zip Code:** 18621

**Contact Person:** Dean Miller

**Title:** Facility Manager

**Telephone:** 570-542-2780

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**Mobile:**

**Email:** [dmiller@ugies.com](mailto:dmiller@ugies.com)

#### **Requested Surface Water Withdrawal Quantity**

**Projected Design Year:** 2039

**Existing Withdrawal Quantity:** 55.05(mgd)

**Requested Withdrawal Quantity:** 55.05(mgd)

**Maximum Instantaneous Withdrawal Rate:** 38228(gpm)

**Estimated Daily Operation:** 24(hours/day)

#### **Requested Consumptive Use Quantity - Yes**

**Existing Consumptive Use:** 2.396(mgd)

**Requested Consumptive Use:** 2.396(gpm)

**Pre-Compact/Grandfathered CU:** 0.52

#### **Facility Location**

**Street Address:** 390 State Route 11, Hunlock Creek

**State:** PA

**County:** Luzerne

**Municipality:** Hunlock Township

**Zip Code:** 18621

## **Surface Water Withdrawal Source Information**

**Source Name:** Susquehanna

**Source Type:** stream

**Subbasin:** Middle Susquehanna

**Project Description**  
**UGI Hunlock Creek Energy Center**  
**Surface Water and Consumptive Use Renewal**

UGI Energy Services, Inc. (UGI) Hunlock Creek Energy Center (UGI Hunlock) is requesting to renew Commission Docket No. 20090916-1 (Docket), which authorizes the withdrawal of 55.05 million gallons per day (mgd) of surface water from the Susquehanna River (Middle Subbasin) and the consumptive use of up to 2.396 mgd from the Susquehanna River, public water from the Pennsylvania-American Water Company and facility stormwater. UGI Hunlock is requesting a renewal at the same withdrawal and consumptive use quantities as approved in the current Docket.

The UGI Hunlock facility (Facility) is located along the Susquehanna River at 390 State Route 11, Hunlock Creek, Luzerne County, Pennsylvania. The facility has been a continuously operated electrical generating station since the 1930's, having converted from coal fired to natural gas fired generation in 2015 through the addition of new combined cycle power generating units' numbers 5 and 6.

The Facility withdraws surface water from the Susquehanna River primarily for noncontact cooling water and for service needs around the facility. The surface water is withdrawn from the river through an existing intake structure via two condenser cooling pumps rated at 17,014 gallons per minute (gpm) each and two service water pumps rated at 2,100 gpm each, for a combined capacity of 55.050 mgd. Surface water is returned to the river via a National Pollutant Discharge Elimination Permit (NPDES) no. PA-0008664. This surface water withdrawal and return system will continue to be operated as is for the requested Docket renewal.

The Facility consumptively uses water purchased from the Pennsylvania-American Water Company, primarily for production of demineralized water for steam production and then for process water, fire protection, drinking and sanitary purposes, air inlet cooling, boiler operation, and emissions control. A minor volume of surface water is consumptively lost in the river on return to the river. No changes in the public water supplier or purchased water use within the Facility are anticipated for the requested Docket renewal.