

Electric Resources

Logan City Light and Power is a municipal owned utility. The electric energy delivered to local communities come from following resources:

Hydro I and II

Hydro I and II are locally owned and operated hydro generation facilities with 6 MW base load capacity.

Natural Gas Turbine Generation

Three natural gas turbine generators are locally owned and operated. The facility provides 12 MW peak load capacity.

Solar Farm

The Solar Farm is owned and operated by Logan City Light and Power. It has 60 KW capacity currently, and it is an ongoing project to expand its capacity.

Logan City Light and Power is also invested in UAMPS resource project including but not limit to following:

Hunter Project

Hunter II, part of the Hunter Station in Emery County, Utah, is a coal-fired, steam-electric generating unit with a net capacity of 446 megawatts. Hunter, jointly owned by PacifiCorp, Deseret Generation and Transmission Co-operative and UAMPS, has commercially operated since June 1980. UAMPS owns an undivided 14.582 percent interest in Unit II, representing 65 megawatts of capacity and energy. Logan's entitlement is about 12 MW in this project.

Intermountain Power Project

Intermountain Power Agency (IPA) is a political subdivision of the state of Utah organized in 1977 by 23 Utah municipalities. IPA's Intermountain Power Project includes a two-unit, coal-

fired, steam-electric generating station, with a net capacity of 1,800 megawatts. The generating station is located in Delta, Utah. UAMPS acts as a scheduling agent for those members who have called-back capacity and energy from the project pursuant to the Excess Power Sales Agreement. Logan's entitlement is about 44 MW in this project.

Colorado River Storage Project

The Colorado River Storage Project (CRSP) is federally owned and operated by the United States Bureau of Reclamation. One purpose of CRSP is the production of hydroelectric capacity and energy. The Western Area Power Administration (Western) markets and transmits CRSP power in 15 western and central states. Western has 10,000 megawatts of capacity in 56 power plants. UAMPS acts as a single purchasing agent for our members that have a firm allocation of CRSP capacity and energy that is purchased through the Integrated Contract for Electric Services. Logan's entitlement is about 24 MW in winter season, and 16 MW in summer season in this project.

Firm Power Supply Project

The Firm Power Supply Project manages various power supplies for participating members. The project agreement provides flexible terms for the purchase and the sale of capacity and energy from multiple resources. This project includes the wind purchase from the Pleasant Valley Wind Energy Facility through Avangrid. Logan's entitlement is about 5 MW in this project.

Payson Project

The Payson Project represents the Nebo Power Station, a 140 megawatt combined cycle gas-fired generating facility in Payson City, Utah. The facility began operating in June 2004. The facility includes a General Electric Frame 7EA gas turbine, a heat recovery steam generator, a steam turbine, condensers and a cooling tower along with related 138 kV and 46 kV electric substations and transmission lines and gas pipelines. Logan's entitlement is about 17 MW in this project.

Veyo Heat Recovery Project

The Veyo Heat Recovery Project uses waste heat to power a 7.8 MW energy recovery generation system. The Project is located adjacent to the existing Veyo Compressor Station which is owned and operated by the Kern River Gas Transmission Company. The Project began commercial operation in May 2016. Logan's entitlement is about 1.7 MW in this project.

Pool Project

The Pool Project provides an hourly resource clearinghouse where UAMPS acts as agent for the scheduling and dispatch of resources including the purchase of any resources and/or reserves required to meet each member's electric system load, the sale of any member's resources which are deemed surplus to meet its electric system load and the utilization of transmission rights to effect resource deliveries to, and sales by, each member.

Craig-Mona Project

The Craig-Mona Project involves the transmission capability of two interconnected 345 kV transmission lines. UAMPS owns a 15 percent interest in the first segment, running west from Craig, Colorado to the Bonanza Power Plant in northeast Utah. UAMPS holds an entitlement to 54 megawatts of capacity in the second segment from Bonanza to an interconnection at Mona, Utah.

Carbon Free Power Project

The Carbon Free Power Project is in the first phase of investigating the feasibility of a small modular reactor project using NuScale technology. The CFPP could consist of up to twelve 50 MW reactors located at the Idaho National Laboratory near Idaho Falls. The feasibility analysis includes engineering and regulatory activities to complete a site selection analysis to allow the project participants the necessary information to make a decision whether to proceed with the Construction and Operating License Application.

2017 Resource Summary

RESOURCE FY 2017	Base/Peak Load	Fuel Type	Winter Capacity MW	Summer Capacity MW	FY Energy MWH	Energy %
Hunter	Base-Flat	Coal	12	12	86,692	18.99%
IPP CURRENT(UP TO 4	Base-Flat	Coal => NG	-	-	-	0.00%
Local Hydro	Base	Hydro	6	6	29,346	6.43%
CRSP	Base -Adjustable	Hydro	15	10	72,384	15.86%
Out WAPA=CRSP-ACTU	Adjustable	Hydro/Mix	8	8	10,066	2.21%
PX Purchased current	Base	Mixed	25	25	178,996	39.21%
Pool as needed-no limit	Peak-Adjustable	Mixed	11	6	7,873	1.72%
USU Co-Gen	Base	NG	5	5	32,657	7.15%
NEBO	Peak-Adjustable	NG	17	17	16,486	3.61%
Local Turbines	Peak-Adjustable	NG	12	12	247	0.05%
VEYO	Base	Renewable	2	2	11,690	2.56%
PPM Wind	Base	Renewable	5	5	9,949	2.18%
Solar Farm	Base	Renewable	0	0	90	0.02%
Total FY 2017			117	107	456,477	100.00%

2017 ENERGY PERCENTAGE BY FUEL TYPE

