

**NATIONAL REGISTER OF HISTORIC PLACES
INVENTORY - NOMINATION FORM**

(Type all entries - complete applicable sections)

STATE: Utah	
COUNTY: Utah	
FOR NPS USE ONLY	
ENTRY NUMBER	DATE
	JUN 26 1972

1. NAME

COMMON:
Olmsted Station Power House

AND/OR HISTORIC:

2. LOCATION

STREET AND NUMBER:
U. S. Highway 189

CITY OR TOWN:
Mouth of Provo Canyon

STATE: **Utah** CODE: **49** COUNTY: **Utah** CODE: **049**

3. CLASSIFICATION

CATEGORY (Check One)	OWNERSHIP	STATUS	ACCESSIBLE TO THE PUBLIC
<input type="checkbox"/> District <input type="checkbox"/> Building <input type="checkbox"/> Site <input type="checkbox"/> Structure <input type="checkbox"/> Object System Equipment	<input checked="" type="checkbox"/> Public <input type="checkbox"/> Private <input type="checkbox"/> Both Public Acquisition: <input type="checkbox"/> In Process <input type="checkbox"/> Being Considered	<input checked="" type="checkbox"/> Occupied <input type="checkbox"/> Unoccupied <input type="checkbox"/> Preservation work in progress	Yes: <input checked="" type="checkbox"/> Restricted <input type="checkbox"/> Unrestricted <input type="checkbox"/> No
PRESENT USE (Check One or More as Appropriate)			
<input type="checkbox"/> Agricultural <input type="checkbox"/> Commercial <input type="checkbox"/> Educational <input type="checkbox"/> Entertainment	<input type="checkbox"/> Government <input type="checkbox"/> Industrial <input type="checkbox"/> Military <input type="checkbox"/> Museum	<input type="checkbox"/> Park <input type="checkbox"/> Private Residence <input type="checkbox"/> Religious <input type="checkbox"/> Scientific	<input type="checkbox"/> Transportation <input checked="" type="checkbox"/> Other (Specify) Power Plant

4. OWNER OF PROPERTY

OWNER'S NAME:
Utah Power & Light Co.

STREET AND NUMBER:
1407 West North Temple

CITY OR TOWN: **Salt Lake City, Utah** STATE: **Utah** CODE: **49**

5. LOCATION OF LEGAL DESCRIPTION

COURTHOUSE, REGISTRY OF DEEDS, ETC.:
Utah County Courthouse

STREET AND NUMBER:
South University Avenue

CITY OR TOWN: **Provo, Utah** STATE: **Utah** CODE: **49**

6. REPRESENTATION IN EXISTING SURVEYS

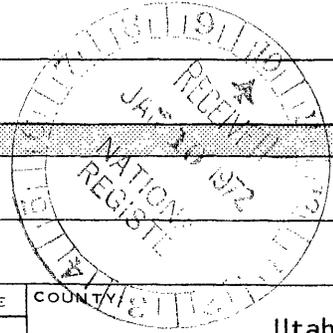
TITLE OF SURVEY:
Historic American Engineering Record

DATE OF SURVEY: **1971** Federal State County Local

DEPOSITORY FOR SURVEY RECORDS:
Library of Congress

STREET AND NUMBER:
Prints & Photographic Division

CITY OR TOWN: **Washington D. C. 20540** STATE: **-** CODE: **11**



1-8-73

SEE INSTRUCTIONS

STATE: Utah
COUNTY: Utah
ENTRY NUMBER: 11
DATE: JUN 26 1972
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7. DESCRIPTION

CONDITION	(Check One)					
	<input checked="" type="checkbox"/> Excellent	<input type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Deteriorated	<input type="checkbox"/> Ruins	<input type="checkbox"/> Unexposed
	(Check One)			(Check One)		
	<input checked="" type="checkbox"/> Altered	<input type="checkbox"/> Unaltered	<input type="checkbox"/> Moved	<input checked="" type="checkbox"/> Original Site		

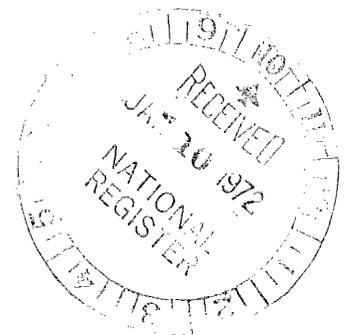
DESCRIBE THE PRESENT AND ORIGINAL (if known) PHYSICAL APPEARANCE

The following equipment presently exists in the plant and unless noted otherwise, the piece is original.

- 3 - Allis-Chalmers hydraulic turbines, 300 RPM, Type KHA, 1908.
- 3 - General Electric generators, 2300 volts, 602 Amps.
- 3 - Lambard governors, but remodeled with woodward heads.
- 1 - General Electric, 125 DC volts, 600 Amp, 270 RPM water driven exciter with Pelton wheel.
- 1 - General Electric, 125 DC volts, 600 Amp, 1200 RPM, motor driven exciter, 1917.
- 9 - General Electric transformers, 1000 KW. (2300 volts to 44,000 volts.)
- 9 - Westinghouse oil switches, 44 KV GA.
- 1 - Sycrometer
- 4 - General Electric field rheostats.

The 1917 extension (1917-1922), which called for a fourth turbine and generator, involved much additional construction. The original wood flume was replaced by a larger capacity wood flume; the pressure box was reconstructed to accommodate a fourth penstock; an I.P. Morris, 514 RPM, and a general electric generator, 2400 volt, 1895 Amp, were installed; one of two original water driven exciters was replaced by a motor driven type; extensive concrete work was done in the power house and an adjacent sub-station was constructed. In 1948-1951 a steel flume replaced the frequently damaged wood flume.

SEE INSTRUCTIONS



8. SIGNIFICANCE

PERIOD (Check One or More as Appropriate)

- | | | | |
|--|---------------------------------------|---------------------------------------|--|
| <input type="checkbox"/> Pre-Columbian | <input type="checkbox"/> 16th Century | <input type="checkbox"/> 18th Century | <input checked="" type="checkbox"/> 20th Century |
| <input type="checkbox"/> 15th Century | <input type="checkbox"/> 17th Century | <input type="checkbox"/> 19th Century | |

SPECIFIC DATE(S) (If Applicable and Known)

1903 - 1904

AREAS OF SIGNIFICANCE (Check One or More as Appropriate)

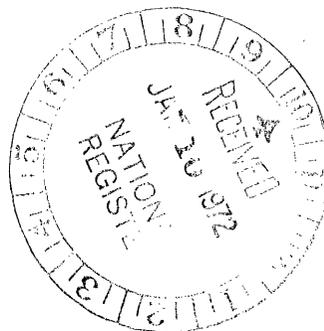
- | | | | |
|---|---|--|--|
| <input type="checkbox"/> Aboriginal | <input checked="" type="checkbox"/> Education | <input type="checkbox"/> Political | <input type="checkbox"/> Urban Planning |
| <input type="checkbox"/> Prehistoric | <input checked="" type="checkbox"/> Engineering | <input type="checkbox"/> Religion/Philosophy | <input type="checkbox"/> Other (Specify) |
| <input type="checkbox"/> Historic | <input type="checkbox"/> Industry | <input type="checkbox"/> Science | _____ |
| <input type="checkbox"/> Agriculture | <input type="checkbox"/> Invention | <input type="checkbox"/> Sculpture | _____ |
| <input type="checkbox"/> Architecture | <input type="checkbox"/> Landscape Architecture | <input type="checkbox"/> Social/Humanitarian | _____ |
| <input type="checkbox"/> Art | <input type="checkbox"/> Literature | <input type="checkbox"/> Theater | _____ |
| <input type="checkbox"/> Commerce | <input type="checkbox"/> Military | <input type="checkbox"/> Transportation | _____ |
| <input type="checkbox"/> Communications | <input type="checkbox"/> Music | | _____ |
| <input type="checkbox"/> Conservation | | | _____ |

STATEMENT OF SIGNIFICANCE

In 1903, L. L. Nunn, a pioneer in the development of alternating current high voltage transmission, with his brother and chief engineer, P. N. Nunn, supervised construction of the Telluride Power Company's Olmsted Station Power House and the establishment of the Telluride Institute. The Institute, which accommodated up to 40 students, was the first corporation sponsored electrical school in the United States. The school closed in 1912 when Utah Power and Light Company acquired Olmsted Station.

The building was completed April 12, 1904.

SEE INSTRUCTIONS



9. MAJOR BIBLIOGRAPHICAL REFERENCES

Equipment shop drawings
 Who's Who in America
 "L. L. Nunn A Memior" by Stephen Bailey, 1933
 Electrical West published by Utah Power & Light Co., 1962

10. GEOGRAPHICAL DATA

LATITUDE AND LONGITUDE COORDINATES DEFINING A RECTANGLE LOCATING THE PROPERTY			O R	LATITUDE AND LONGITUDE COORDINATES DEFINING THE CENTER POINT OF A PROPERTY OF LESS THAN TEN ACRES		
CORNER	LATITUDE	LONGITUDE		LATITUDE	LONGITUDE	
	Degrees Minutes Seconds	Degrees Minutes Seconds	Degrees	Minutes	Seconds	
NW	0 , "	0 , "	40 °	18 ,	57 " N	
NE	0 , "	0 , "	111 °	39 ,	14 " W	
SE	0 , "	0 , "				
SW	0 , "	0 , "				

APPROXIMATE ACREAGE OF NOMINATED PROPERTY: 5.2

LIST ALL STATES AND COUNTIES FOR PROPERTIES OVERLAPPING STATE OR COUNTY BOUNDARIES

STATE:	CODE	COUNTY	CODE



11. FORM PREPARED BY

NAME AND TITLE: **Burtch W. Beall, Jr., A.I.A.**

ORGANIZATION: **Historic American Engineering Record** DATE: **Dec. 1971**

STREET AND NUMBER: **University of Utah - Department of Architecture**

CITY OR TOWN: **Salt Lake City** STATE: **Utah** CODE: **49**

12. STATE LIAISON OFFICER CERTIFICATION

NATIONAL REGISTER VERIFICATION

As the designated State Liaison Officer for the National Historic Preservation Act of 1966 (Public Law 89-665), I hereby nominate this property for inclusion in the National Register and certify that it has been evaluated according to the criteria and procedures set forth by the National Park Service. The recommended level of significance of this nomination is:

National State Local

Name Milton L. Weilenmann

Title Utah State Liaison Officer

Date 17 December 1971

I hereby certify that this property is included in the National Register.

Robert L. Kelly
 Chief, Office of Archeology and Historic Preservation

Date 12/26/72

ATTEST: William H. ...
 Keeper of The National Register

Date _____

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