

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER RESOURCES

Application No. 9247 Filed February 24, 1938 at 11:08 AM.
(Applicants must not fill in the above blanks)

APPLICATION TO APPROPRIATE UNAPPROPRIATED WATER

This application involves in no way the right to construct a dam

I, SIERRA PACIFIC POWER COMPANY
Name of applicant
of Reno County of Washoe
Post office
State of Nevada, do hereby make application for a permit to appropriate the

following described unappropriated waters of the State of California, SUBJECT TO EXISTING RIGHTS:

Source, Amount, Use and Location of Diversion Works

1. The source of the proposed appropriation is Independence Lake
Give name of stream, lake, etc., if named; if unnamed state nature of source and that it is unnamed
located in Sierra & Nevada County, ies tributary to Truckee River

2. The amount of water which applicant desires to appropriate under this application is as follows:

(a) For diversion to be directly applied to beneficial use without storage cubic feet per
1 cubic foot per second equals 40
strawberry miner's inches or 646,317
gallons per day
second, to be diverted from to of each season.
Beginning date each season Closing date each season

(b) For diversion to be stored temporarily and later applied to beneficial use 17,500 acre-feet
1 acre-foot equals 325,851 gallons
per annum, to be collected between December 1st and July 1st of each season.
Beginning date each season Closing date each season

NOTE.—Answer (a) or (b) or both (a) and (b) as may be necessary. The amounts stated must be in definite terms of some established unit of measurement. Neither these amounts nor the season may be increased after application is filed.

3. The use to which the water is to be applied is Municipal
Irrigation, power, municipal,
 purposes.
mining, industrial, recreational, domestic. Recreational use may be deemed to include all uses incidental to a resort such as domestic, boating, fish culture, etc.

NOTE.—A separate application must be made for each use except that incidental domestic use may be included with any other use.

4. The point of diversion is to be located See attached sheets
Supplement
State bearing and distance or coordinate distances to section or quarter section corner

being within the
State 40-acre subdivision of U. S. Government survey or projection thereof

of Section , T^p , R. , M. , in the County of Sierra

5. The main conduit terminates in See attached sheets
of Sec. , T^p , R. , M. .
State 40-acre subdivision of U. S. Government survey or projection thereof

Description of Diversion Works

NOTE.—An application can not be approved for an amount grossly in excess of the estimated capacity of the diversion works

6. Intake or Headworks (fill only those blanks which apply)

(a) Diversion will be made by pumping: Capacity of plant gallons per minute.
Highland
(b) Diversion will be by gravity, the diverting dam being 8 feet in height (stream bed to
level of overflow); 161 feet long on top; and constructed of Rock filled log c.
Concrete, earth, brush, etc.

(c) The storage dam will be 25 feet in height bottom of outlet
(stream bed to overflow level); 625 feet
long on top; have a freeboard of 3 feet, and be constructed of Earth
Concrete, earth, etc.

7. Storage Reservoir Independence Lake
Name

The storage reservoir will flood lands in See attached sheets
Indicate section or sections, also 40-acre subdivisions unless shown upon map

It will have a surface area of 770 acres, and a capacity of 20,000 acre-feet.

In case of insufficient space for answers in form, attach extra sheets at top of page 3 and cross reference.

EXHIBIT
TCID 268
tabbies

8. Conduit System (describe main conduits only)

See attached sheets ^{supplement}

(a) Canal, ditch, flume: Width on top (at water line) _____ feet; width at bottom _____ feet; depth of water 2.7 feet; length _____ feet; grade _____ feet per 1,000 feet; materials of construction _____
Earth, rock, timber, etc.

(b) Pipe line: Diameter _____ inches; length _____ feet; grade _____ feet per 1,000 feet; total fall from intake to outlet _____ feet; kind _____
Riveted steel, cement, wood-stave, etc.

NOTE--If a combination of different sizes or kinds of conduit is to be used, attach extra sheets with complete description, also show location of each clearly on map.

9. The estimated capacity of the ~~diversion~~ ^{outlet} works proposed is 880 c.f.s.
State cubic feet per second or gallons per minute

The estimated cost of the diversion works proposed is \$45,000.00
Give only cost of intake, or headworks, pump, storage reservoirs and main conduits described herein

Completion Schedule

10. Construction work will begin within Six months after approval of this application.
Construction work will be completed within One years after approval of this application.
The water will be completely applied to the proposed use within 40 years after approval of this application.

Description of Proposed Use

11. Place of Use. Cities of Reno and Sparks, Nevada
State 40-acre subdivisions of the public land survey. If area is unsurveyed indicate the location as if lines of the public land

survey were projected. In the case of irrigation use state the number of acres to be irrigated in each 40-acre tract, if space permits. If space does not permit listing all 40-acre tracts, describe area in a general way and show detail upon map. These blanks need not be filled in when municipal use is proposed.

Does applicant own the land whereon use of water will be made? _____
Yes or No
If applicant does not own land whereon use of water will be made, state what arrangements have been made with owner.

12. Domestic Use. (If incidental to one of the major uses described in Paragraphs 13, 14, 15, 16, 17 or 18 domestic use may be included in the same application with any one thereof, and Paragraph 12 should be filled out. If the domestic use is not incidental to some major use a separate application is required.)

Domestic use is proposed as follows: _____
Describe nature of use which may include stock water and the irrigation of domestic gardens not exceeding one-half acre each in area connected with places of residence

The amount for which application is made was determined by _____
Describe basis of estimate of quantity needed

13. Irrigation Use. (See marginal note.) The area to be irrigated is _____ acres.
State net acreage to be irrigated

The segregation of acreage as to crops is as follows: Rice _____ acres; alfalfa _____ acres; orchard _____ acres; general crops _____ acres.

NOTE--Care should be taken that the various statements as to acreage are consistent with each other, with the statement in Paragraph 11, and with the map.

The irrigation season will begin about _____ and end about _____
Beginning date each season Closing date each season

The land to be irrigated has another water right or source of water supply other than that herein applied for. The nature and amount of the additional supply referred to is _____

14. Power Use. (See marginal note.) The total fall to be utilized is _____ feet.
Difference between nozzle or draft tube water level and first free water surface above

The maximum amount of water to be used through the penstock is _____ cubic feet per second.

The maximum theoretical horsepower capable of being generated by the works is _____ horsepower.
Second feet X fall + 5.4

The use to which the power is to be applied is _____
For distribution and sale or private use, etc.

The nature of the works by means of which power is to be developed is _____
Turbine, Pelton wheel, hydraulic ram, etc.

The water will be returned to _____ in _____ of _____
Name stream State 40-acre subdivision

Sec. _____, Tp. _____, R. _____, M. _____

IF PARAGRAPHS 13, 14, 15, 16, 17 and 18 power, municipal, mining, industrial and recreational uses use may be included on the same application.

See pag. 15

Table with multiple rows and columns for detailed information.

Supplement to Application 9247

PARAGRAPH 4 - Point of diversion from Independence Lake is located N. $5^{\circ} 45'$ E. 1864.7 feet from the S.W. corner Section 35, T. 19 N., R. 15 E., M.D.B. & M. being within Lot 1 of said Section 35.

Point of ^{it} diversion ^{from Truckee R. to} of the Highland Ditch is located N. $79^{\circ} 30'$ W. 1640 feet from the S.E. corner Section 9, T. 19 N., R. 18 E., M.D.B. & M. being within the SW $\frac{1}{4}$ of SE $\frac{1}{4}$ of said Section 9.

PARAGRAPH 5 - The outlet canal from Independence Lake terminates in the NE $\frac{1}{4}$ of NW $\frac{1}{4}$ of Section 35, T. 19 N., R. 15 E., M.D.B. & M., emptying into Independence Creek at that point.

The Highland Ditch discharges into a steel and wood stave pipe in the SW $\frac{1}{4}$ of NE $\frac{1}{4}$ of Section 3, T. 19 N., R. 19 E., M.D.B. & M., which pipe discharges into the Highland Reservoir in the SE $\frac{1}{4}$ of NE $\frac{1}{4}$ of said Section 3.

PARAGRAPH 7 - Storage Reservoir. The storage reservoir will flood lands in Lots 1, 2, Section 35; Lots 1, 2, 3, 4, Section 34; Lot 1, Section 33, T. 19 N., R. 15 E., M.D.B. & M.

Lots 1, 2, 5, 6, 7, 8, 9, 10 Section 4; Lots 1, 2, 3, 4, Section 3; Lots 1, 2, Section 9, T. 18 N., R. 15 E., M.D.B. & M.

PARAGRAPH 8 - The outlet canal from Independence Lake will have a top width (at water line) of 27.4 feet; bottom width of 8 feet; depth of water of 9.7 feet; length of 2,800 feet; grade .7 feet per 1,000. It will be all earth cut.

The Highland Ditch is composed of 79,625 feet of earth canal, 3,833 feet of wood flume (22 in number), 529 feet of wood stave pressure pipe and 184 feet of tunnel. The earth section is normally 8 feet bottom width and 3 feet deep. Of this section, 3,731 feet is concrete lined. Some other portions have either timber or rock wall lining.

The flumes are normally 8 feet wide and 3 feet deep, rectangular in section.

The wood stave pressure pipe is 48" inside diameter.

PARAGRAPH 8 - Continued

The tunnel is irregular but nominally 6 feet in diameter.

The over-all grade of the Highland Ditch is 1.32 feet per 1,000 feet.

The pipe from the ditch to the reservoir consists of 1,577 feet of 22 inch steel pipe and 194 feet of 48" wood stave pipe. From the end of this pipe, smaller pipes discharge into the various divisions of the Highland Reservoir.

DO NOT FILL IN

Applications must be filed up Domestic use w/

15. Municipal Use. (See marginal note.) This application is made for the purpose of serving Cities Name city or cities, town or towns. Urban areas only of Reno and Sparks having a present population of 30,000

The estimated average daily consumption during the month of maximum use at the end of each five-year period until the full amount applied for is put to beneficial use is as follows:

1942 - 69 A.F.; 1947 - 76 A.F.; 1952 - 84 A.F.; 1957 - 91 A.F.;

1962 - 98 A.F.; 1967 - 105 A.F.; 1972 - 112 A.F.; 1977 - 120 A.F.

16. Mining Use. (See marginal note.) The name of the mining property to be served is _____ Name of claim

and the nature of the mines is _____ Gold placers, lead quartz, etc.

The method of utilizing the water is _____

It is estimated that the ultimate water requirement for this project will be _____ Cubic feet per second, gallons per minute. State basis of estimate

The water will be polluted by chemicals or otherwise _____ Explain nature of pollution, if any

and it will be returned to _____ in _____ of _____ Name stream State 40-acre subdivision

Sec. _____, Tp. _____, R. _____, M. _____

17. Industrial Use. (See marginal note.) The nature of the use proposed is _____ Describe nature and method of use

The amount for which application is made was determined by _____ Describe basis of estimate of quantity needed

18. Recreational Use. (See marginal note.) Water will be used for _____ Describe nature and method of use

The amount for which application is made was determined by _____ Describe basis of estimate of quantity needed

General

19. Are the maps as required by the Rules and Regulations filed with Application? Yes If not, state specifically the time required for filing same. Filed with Application No. Yes or No

20. Does the applicant own the land at the proposed point of diversion? _____ If not, state what steps have been taken to secure right of access thereto. Contract to Purchase Yes or No

21. What is the name of the post office most used by those living near the proposed point of diversion? Hobart Mills, California.

22. What are the names and addresses of claimants of water from the source of supply below the proposed point of diversion? See list of Water Users attached to Application No.

SIERRA PACIFIC POWER COMPANY

(SIGNATURE OF APPLICANT)

George A. [Signature]
President.

APPLICANT MUST NOT FILL IN BLANKS BELOW

PERMIT No. 5392

This is to certify that the application of which the foregoing is a true and correct copy has been considered and is hereby approved SUBJECT TO VESTED RIGHTS and the following limitations and conditions in addition to those enumerated in Chapter 586, Statutes 1913, as amended.

1. The amount of water appropriated shall be limited to the amount which can be beneficially used, and shall not exceed **seventeen thousand, five hundred (17,500) acre-feet per annum** to be collected from about December 1st to about July 1st of each season.

2. The maximum amount herein stated may be reduced in the license if investigation so warrants.

3. Actual construction work shall begin on or before **November 1, 1939** and shall thereafter be prosecuted with reasonable diligence, and if not so commenced and prosecuted this permit may be revoked.

4. Said construction work shall be completed on or before **December 1, 1943** JUN 11 1951

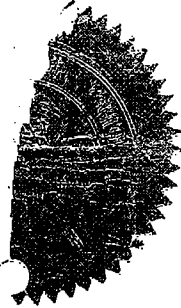
5. Complete application of the water to the proposed use shall be made on or before **December 1, 1944** *Amended by order of*

6. Progress reports shall be filed promptly by permittee on forms appropriate to the purpose which will be provided annually by the Division of Water Resources until license is issued.

Witness my hand and the seal of the
Department of Public Works of the State of California
this **18th** day of **August** 19**39**

EDWARD HYATT
State Engineer

By Harold Ambling
Deputy



P. 5392