

R 6276

* Reservoir Permit No.

Application for a Permit to Construct a Reservoir and to Store for Beneficial Use the Unappropriated Waters of the State of Oregon

I, Portland General Electric Company
(Name of Applicant)

of 621 S. W. Alder Street, Portland,
(Mailing address) (City)

State of Oregon, 97205, do hereby make application for a permit to construct the
(Zip Code)
following described reservoir and to store the unappropriated waters of the State of Oregon, subject to existing rights.

If the applicant is a corporation, give date and place of incorporation July 25, 1930
in the State of Oregon

1. The name of the proposed reservoir is Carty

2. The name of the stream from which the reservoir is to be filled and the appropriation made is
Columbia River

tributary of

3. The amount of water to be stored is 129,000 / or 12/175
~~110,000~~ acre feet.

4. The use to be made of the impounded water is thermal power generation facility
(Irrigation, power, domestic supply, etc.)

5. The location of the proposed reservoir will be in Sec. See remarks
(Give sections or townships to be submerged)

Tp., R., W.M., in the county of MORROW

(a) State whether situated in channel of running stream and give character of material at outlet
Not

(b) If not in channel of running stream, state how it is to be filled. If through a feed canal, give name and dimensions 51-inch steel pipe from Columbia River

6. The dam will be located in See remarks, Sec.
(Smallest legal subdivision)

Tp., R., W.M. The maximum height will be 80 feet above stream bed or ground surface on center line of dam. The length on top will be 31,500 feet; length on bottom feet; width on top 30 feet; slope on front or water side 3 to 1; slope on back 3 to 1; height of dam above water line when full 10 feet.
(Feet horizontal to 1 vertical) (Feet horizontal to 1 vertical)

* A different form of application should be used for the appropriation of stored water to beneficial use. Such forms can be secured without charge, together with instructions, by addressing the State Engineer, Salem, Oregon 97310.

7. The construction of dam, the material of which it is to be built, and method of protection from waves are as follows: Earth filled dam consisting of compacted silts, clays and rock with ripraped embankments for wave protection

8. The location of wasteway with dimensions are as follows: (State whether over or around the dam) 4440 feet long by 200 feet wide ripraped spillway in Section 34, Township 3 North, Range 24 East, Willamette Meridian.

9. The location of outlet from the proposed reservoir, with character of construction and dimensions, are as follows: 48-inch steel pipe encased in concrete controlled by (All dams across natural stream channels must be provided with an outlet conduit, of such capacity and slide gate in Section 33, Township 3 North, Range 24 East, Willamette Meridian location to pass the normal flow of the stream at any time)

10. The area submerged by the proposed reservoir, when full, will be 5600 acres, with a maximum depth of water of 70 feet; and approximate mean depth of water 22 feet.

11. The estimated cost of the proposed work is \$ 12,400,000.....

12. Construction work will begin on or before June 1975

13. Construction work will be completed on or before December 1977


.....
(Signature of applicant)
R. W. Sharp - Permit Section Supervisor

STATE OF OREGON, }
County of Marion, } ss.

This is to certify that I have examined the foregoing application, together with the accompanying maps and data, and return the same for

In order to retain its priority, this application must be returned to the State Engineer, with corrections on or before, 19.....

WITNESS my hand this day of, 19.....

.....
STATE ENGINEER
By
ASSISTANT

Addendum to
Portland General Electric Company's
Reservoir Permit No. R-51520

This addendum to the subject permit outlines the stage development of the Carty Reservoir. For reference, see attached exhibit, Drawing No. SK-301. The first stage construction will consist of the west dam, partial divider dike, saddle dam, spillway and outlet works. The reservoir size of this initial development will be approximately 1,400 acres with a volume capacity of 41,000 acre-feet. Maximum pool elevation will be 677 feet MSL allowing 10-foot of drawdown for irrigation. Storage capacity of this irrigation water amounts to approximately 11,000 acre-feet. The length of the dam crests will be 11,500 feet. The spillway will be 750 feet long by 120 feet wide in Section 33, Township 3 North, Range 24 East, Willamette Meridian. Construction of this first stage is scheduled to be completed by the end of December 1977, and filled during 1978. The estimated cost of the first phase is \$15,500,000.00. Please refer to PGE Water Appropriation Permit No. 51521 as to the source and methods for providing this water.

It is not known at this time when the full reservoir will be completed. However, when all authorizations have been obtained, the second stage development will consist of construction of the east dam, completion of the divider dike, and partial removal of the saddle dam. The full-size reservoir will be 5,600 acres with a volume capacity of 129,000 acre-feet. It also will have a maximum pool elevation of 677-feet MSL allowing the same 10-foot drawdown for irrigation. Irrigation storage of the full reservoir will be 46,000 acre-feet.

2 North	24 East	1	allex. SE of SE SW of SW	Reservoir
		2	allex. S/2 of SW/4	Reservoir
		3 & 4	All	Reservoir
		5	E/2 of SE/4	Reservoir
		8	N/2 of S/2, E/2 NE/4 and SW of NE	Reservoir
		9	NW of SW, W/2 of NW/4 NE of NW & NW of NE	Reservoir
		10	E/2 of NW/4 & W/2 NE/4	Reservoir
		12	NW of NE	Reservoir
2 North	25 East	4	NW of NE	Reservoir
		5	N/2 of NW & SW of NW	Reservoir (Contd)

Location (Contd.)

Township	Range	Section	Forty-acre Tract	Acres to be Irrigated
2 North	25 East	6	N/2 & N/2 of SW	Reservoir
3 North	24 East	25	S/2 of SE	Reservoir
		35	S/2 of S/2	Reservoir
		34	S/2 of SW & SE of SE	Reservoir
		35	S/2 & SE of NE	Reservoir
		36	All	Reservoir
3 North	25 East	29	S/2 of S/2	Reservoir
		30	S/2	Reservoir
		31 & 32	All	Reservoir
		35	NW/4 & W/2 of SW	Reservoir

STATE OF OREGON, }
County of Marion, } ss.

This is to certify that I have examined the foregoing application and do hereby grant the same, subject to the following limitations and conditions: The right herein granted is limited to the construction of Carty Reservoir and storage of water from Columbia River to be appropriated under Application No. 51521, Permit No. 39188 for operation of thermal power generation facility provided that plans and specifications for phase 2 for the storage of 88,000 a.f. be submitted to and approved by the Water Resources Director prior to beginning of construction of phase 2.

The right hereunder shall be limited to the storage of 129,000.00 acre feet.

The priority date of this permit is December 4, 1973

Actual construction work shall begin on or before January 12, 1977 and shall thereafter be prosecuted with reasonable diligence and be completed on or before January 12, 1981

WITNESS my hand this 12th day of January, 1976.


WATER RESOURCES DIRECTOR

Application No. R 51520
Reservoir Permit No. R 6276

PERMIT

To construct a reservoir and store for beneficial use the unappropriated waters of the State of Oregon.

This instrument was first received in the office of the State Engineer at Salem, Oregon, on the 4 day of December, 1973, at 4:20 o'clock P. M.

Returned to applicant:

Approved:

Recorded in Book No. _____ of _____ Reservoirs, on Page R 6276

State Engineer

Drainage Basin No. 7 page 2D
Fees \$1214.25