

BPA Tries To Minimize Impact

Power Line Begins Its March Across Reservation

Work began this week on the reservation portion of the Bonneville Power Administration's new high-voltage transmission line that will connect power sources in eastern Washington and Oregon with the Willamette Valley.

As the result of a 1978 agreement between the Tribes and BPA, the Slatt-Marion line will cross sixteen miles in the northwest corner of the Warm Springs Reservation, cutting a 117.5-foot swath through the timber. For this easement the Tribes received \$4.5 million.

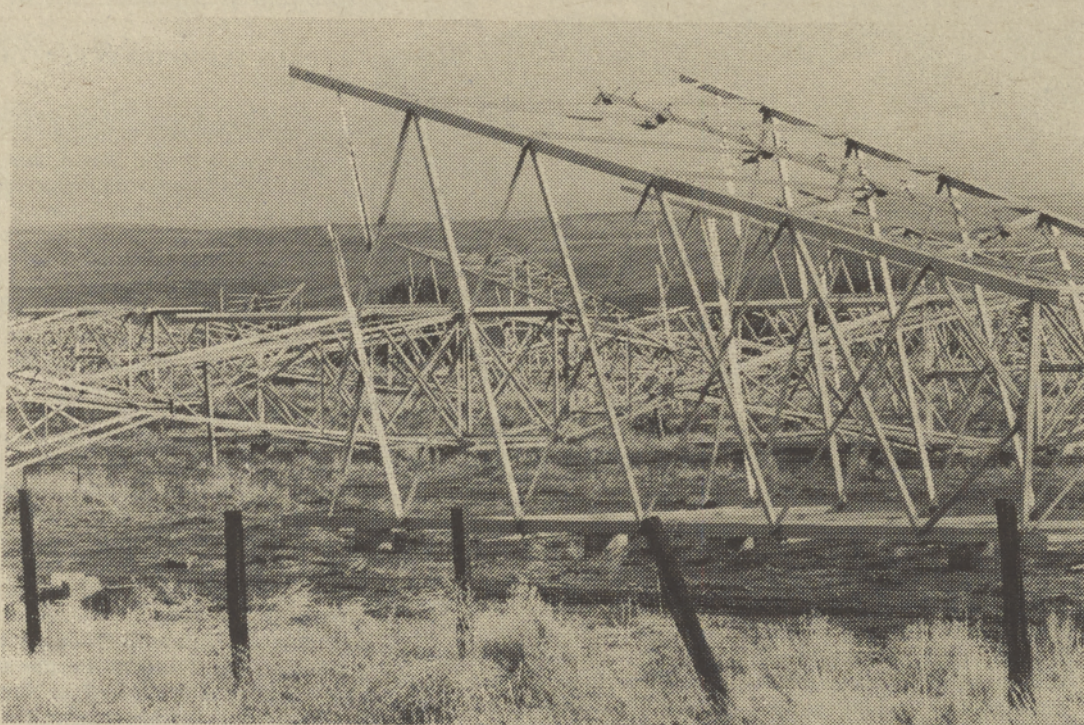
While it will be some time before the construction becomes visible, preliminary work has been launched. With the survey completed, a crew is beginning to clear tower sites on a three-mile stretch east of Highway 26 in preparation for the digging and placing of foundations.

According to BPA civil engineer Lewis Bohl, the timetable for the project is indefinite since weather and ground conditions are so unpredictable. The anticipated completion date of October 1, 1980 could be delayed for these reasons, he said.

Bohl described the sequence of activities that can be expected in the power line construction. The center line survey, which determines the location of towers, is followed by clearing tower sites and constructing access roads. Foundations are poured, footings placed, and the towers are erected. In this project, the timber between towers will be cleared after the towers are in place. Lastly, the lines are strung.

The 500-KV double circuit transmission line and its 125-foot towers will be constructed on a strip of land adjacent to the existing John Day-Marcola line that already cuts across the reservation. The sixteen mile stretch is a small part of the 224-mile \$156 million transmission project, and about half of the 37-mile contract signed by Erickson Air Crane, Inc., of Wasco, one of five contractors working on the line.

The Erickson contract also includes 9 miles of private land and 12 miles of U.S. Forest Service land off the reservation.



WHILE OFF TO THE EAST . . . Towers are heading westward toward the reservation for the BPA's Slatt-Marion line. Construction on the reservation will start at Highway 26 and move east. As in the railroad construction of old, the two sections hope to meet in Pine Grove. Clearing has begun for the 16-mile reservation portion.

The new line will parallel the existing McNary-Santiam line until the reservation boundary, then swing north to meet the John Day line just west of Pine Grove. At that point it will enter the reservation.

Work on the reservation will involve around 70 people most of the time, with a peak of about 120 employees in July. Bohl indicated that there would be opportunities for apprenticeships and the possibility of some temporary work. Interested individuals should apply at the contractor's office which will be set up in Pine Grove.

ENVIRONMENTAL IMPACT MINIMIZED

In a recent press release, BPA administrator Sterling Munro said that special clearing methods will be used to prevent erosion and most work will be done in dry weather to avoid damage to the land. "We will also use special track type vehicles during wet weather to avoid chewing up the land," he added.

active cooperation of the Indian community, Secretary Harris said. "We expect to use this additional time to solicit specific comments and suggestions. The initiative lies with the Indian people themselves."

She emphasized that HUD is committed to finding "the most effective way of streamlining our own procedures and obtaining the best technical assistance that will enable us and the Indian Housing Authorities, together, to produce Indian housing economically and efficiently — housing that is responsive to the needs and desires of the Indian community."

In the meantime, HUD is prepared to approve construction management proposals initiated by individual Indian Housing Authorities.

The BPA administrator also said use of back-hoes for digging footings for the big steel transmission towers will be seasonally timed to avoid work in wet weather. This week crews were delayed because of wet ground.

"The contractor will use big sky-crane helicopters, among the largest in commercial use, in erecting some 140 towers, about 60 of which will be on the reservation. The towers will be assembled on the ground near Pine Grove and flown into place so that there will be little impact on the land," he said. "However, nine of the towers on the reservation, the so-called dead-end

towers, will have to be set by land crane because they are so heavy." Dead-end towers are used to anchor the other lighter towers.

Munro noted that use of helicopters minimizes land disruptions and is also a cost-saver because they spare the construction of many access roads required for moving heavy cranes in rough terrain. Where a land crane is necessary existing roads will be used wherever possible.

"Finally, the job of stringing conductor will be done over a distance of about three miles per set up or from dead-end tower to

dead-end tower. This will also minimize the environmental impact."

Munro also noted that the nearly decade old practice of "scalping and feathering" the right-of-way will be followed during construction of the line. "Now the edge of the corridor is given an irregular shape wherever possible by leaving low growing trees nearer the transmission line. This has considerably less impact than the old method."

MORE POWER FOR THE VALLEY

The new transmission line is designed to carry 5,000 megawatts of generation. The power will come from Federal hydroelectric generation additions at Lower Granite, Little Goose, and Lower Monumental dams on the lower reaches of the Snake River, and the Dworshak Dam on the Clerwater River in northern Idaho. It will also integrate power from Washington Public Power Supply System nuclear plants 1, 2, and 4 under construction at Hanford and Portland General Electric's new Boardman coal plant under construction in eastern Oregon.

Completion of this line is expected to result in swings for ratepayers.

Munro noted that in addition to integrating new generation coming into the region's power system in the years ahead the new line will also provide outage support. "It will provide transmission support to the Willamette Valley for outages, particularly an outage of the John Day-Marion line. It will also provide support to the metropolitan Portland area for an outage of the Oregon City-Ostrander line. If an outage occurs on those lines this facility will provide an alternate way of routing the electricity."

Not Too Late to Register for Community Ed.

SECT.	TITLE	INSTRUCTOR	TIMES	DAYS	LOCATION	FEES
ARTS-CRAFTS						
4397	Beadwork	Tohet	7:00PM-9	TH	CommCntr	13.00
4401	Italic Calligraphy	Curtis	4:30-5:30	M	CommCntr	5.85
4400	Weaving-Macrame	Armstrong	7:00PM-10	M	CommCntr	9.75
Apr. 2 - Apr. 30 In Cooperation with Extension Service						

BUSINESS & CLERICAL						
4411	Briefhand	Rice	4:15-5:30	M	ALC	7.15
4415	Shorthand Refresher	Powell	3:30-5:00	TH	ALC	9.75

HOME LIFE & MANAGEMENT						
4425	Furniture Refinish	Finlay	9:00AM-12	SA	Day Care	5.85
Meets Apr. 28 - May 12						
4429	Home Maint. & Repair	Goddard	7:00PM-9	W	CommCntr	11.70

LITERATURE AND LANGUAGE						
4439	Oral Sahaptin	Sooksoit	7:00PM-9	W	CommCntr	13.00
4444	Read-Write Sahaptin	Colwash	7:00PM-9	TH	CommCntr	13.00
4447	Wasco Language	Florendo	7:00PM-9	TU	CommCntr	13.00
4451	You Can Write	Morrison	5:00PM-7	W	CommCntr	7.80
Meets May 2 to June 6						

PHYSICAL EDUCATION & RECREATION						
4471	Barrel Racing	Simmelink	7:00PM-9	TH	FairGnds	10.40
Meets Apr. 12 to May 31. Lab fee collected at first class.						
4475	Tennis I	Jordan	4:30PM-6	TuTh	KNT	15.60
Meets Apr. 17 to June 7						

4480	Learning Center	Jolstead	9:00AM-4	M-F	ALC	Free
		Powell	7:00PM-10	TH	ALC	Free
Meets Mar. 26 to June 14. GED, HS DIPLOMA, MATH, LANGUAGE SKILLS. You may enter the Learning Center at any time.						

CREDIT COURSES - WARM SPRINGS

CLASSES BEGIN MARCH 28

0307	Prin of Management	Trujillo	7PM-9:50	M	ALC	3	\$39
0615	English Comp., Wr. 122	Donahoe	5PM-7:40	W	ALC	3	39
1027	Basic Math, 0.770	Gallagher	7PM-8:40	TuTh	ALC	4	52
1051	Algebra I, 0.6101	Gallagher	7PM-8:40	TuTh	ALC	4	52
1068	Algebra II, 0.6102	Gallagher	7PM-8:40	TuTh	ALC	4	52
1083	Tech Math I, 6.101	Gallagher	7PM-8:40	TuTh	ALC	4	52
1103	Tech Math II, 6.102	Gallagher	7PM-8:40	TuTh	ALC	4	52
1098	Inter Alg., Mth 100	Gallagher	7PM-8:40	TuTh	ALC	4	52

Indian Input Sought on Ways to Improve Housing Production

A planned new initiative to test ways of improving the design, quality and production of housing for American Indians is being re-evaluated to ensure it reflects the views of the Indians themselves, the Department of Housing and Urban Development reported.

HUD Secretary Patricia Roberts Harris said a three-year demonstration effort testing the effectiveness of using professional construction managers to improve the production time and the quality of Indian housing at lower per unit costs is being reassessed. Indian input will be solicited to improve the proposal or to devise an alternative method to achieve the same results, she said.

Effectiveness of the effort will depend largely upon the