

4.5.3 Other USBR Facilities

USBR SEGMENTATION - OTHER PROJECTS

as of 9/30/98 - Based on data from USBR - Boise Office

<u>PROJECT</u>	<u>TRANSMISSION INVESTMENT 2/</u>	<u>NETWORK</u>	<u>GENERATION INTEGRATION</u>	<u>DELIVERY</u>
Hungry Horse	11,908,383	2,488,319	9,420,064	
Boise 1/	1,021,087	0	1,021,087	
Yakima(Rosa)	1,112,325	0	1,112,325	
Minidoka-Palisades	<u>4,027,287</u>	<u>1,281,386</u>	<u>2,348,031</u>	<u>397,870</u>
Total	18,069,081	3,769,704	13,901,507	397,870

Segment investment is total investment times segment % determined below.

Segment percent is estimated using 1998 typical BPA facility costs as proxy.

1/ Includes Anderson Ranch and Black Canyon.

2/ Total from BOR sub account 13 with IDC allocation.

SEGMENT PERCENTAGES FOR MULTI-SEGMENT PLANTS

Hungry Horse

<u>Item</u>	<u>Cost</u>	<u>Network</u>	<u>Gen Int</u>
2-230kV terminals	1,120,000	1,120,000	0
2-230kV terminals	1,120,000	0	1,120,000
2-180MVA step-ups	<u>3,120,000</u>	0	3,120,000
	5,360,000	1,120,000	4,240,000
<i>Percent of total</i>		20.9%	79.1%

Step-up transformer cost based on 230/69kV 75 MVA w disconnects.

Minidoka-Palisades

<u>Item</u>	<u>Cost</u>	<u>Network</u>	<u>Gen Int</u>	<u>Delivery</u>
Minidoka sub				
5-138kV terminal	2,250,000	1,800,000	450,000	
1 Step-up to 138kV	590,000		590,000	
Palisades				
9-115kV terminals	3,375,000	1,265,625	1,687,500	421,875
4-35MVA step-ups	2,360,000		2,360,000	
10MVA 115/12.5kV	1,060,000		530,000	530,000
<i>Total</i>	9,635,000	3,065,625	5,617,500	951,875
<i>Percent of total</i>		31.8%	58.3%	9.9%

Minidoka terminals - use 115kV terminal cost of \$375,000

Minidoka step-up - use 115/34.5kV 25 MVA transformer cost

Palisades - 9 PCB/8 terminals - 4 GI, 3 Net, 1 Del

Palisades step-ups - use 115/34.5kV 25 MVA transformer cost

Palisades - delivery is for Lower Valley and station service

Base delivery tx on cost of 115/12.5 sub 25MVA

Split delivery investment 50/50 to delivery & to station service/GI