

22 September 2008

Scott Wright

Subject: Distribution System Loss Study

Dear Scott:

Attached is a copy of the most recent system loss study conducted using 2001 data. The first sheet is a copy of FERC Form 1 pg 401a and a system diagram. Referring to the system diagram, to obtain a distribution system loss factor for this data (including distribution substations, primary, and secondary) take the individual level coefficients times each other.

For this data the input required into the distribution substations to deliver a given energy output at the customers' meter requires multiplying each of these numbers below:

Distribution Stations	1.0077
Distribution Primary	1.0219
Distribution Secondary	1.0379

Thus $(1.0077 * 1.0219 * 1.0379) = 1.069$ (rounded). This yields a distribution system loss percentage of approximately 6.9%.

Should you have any questions, please let me know.

/s/

“Kip” David L. Sikes, PE
Manager, Transmission Policy and Development

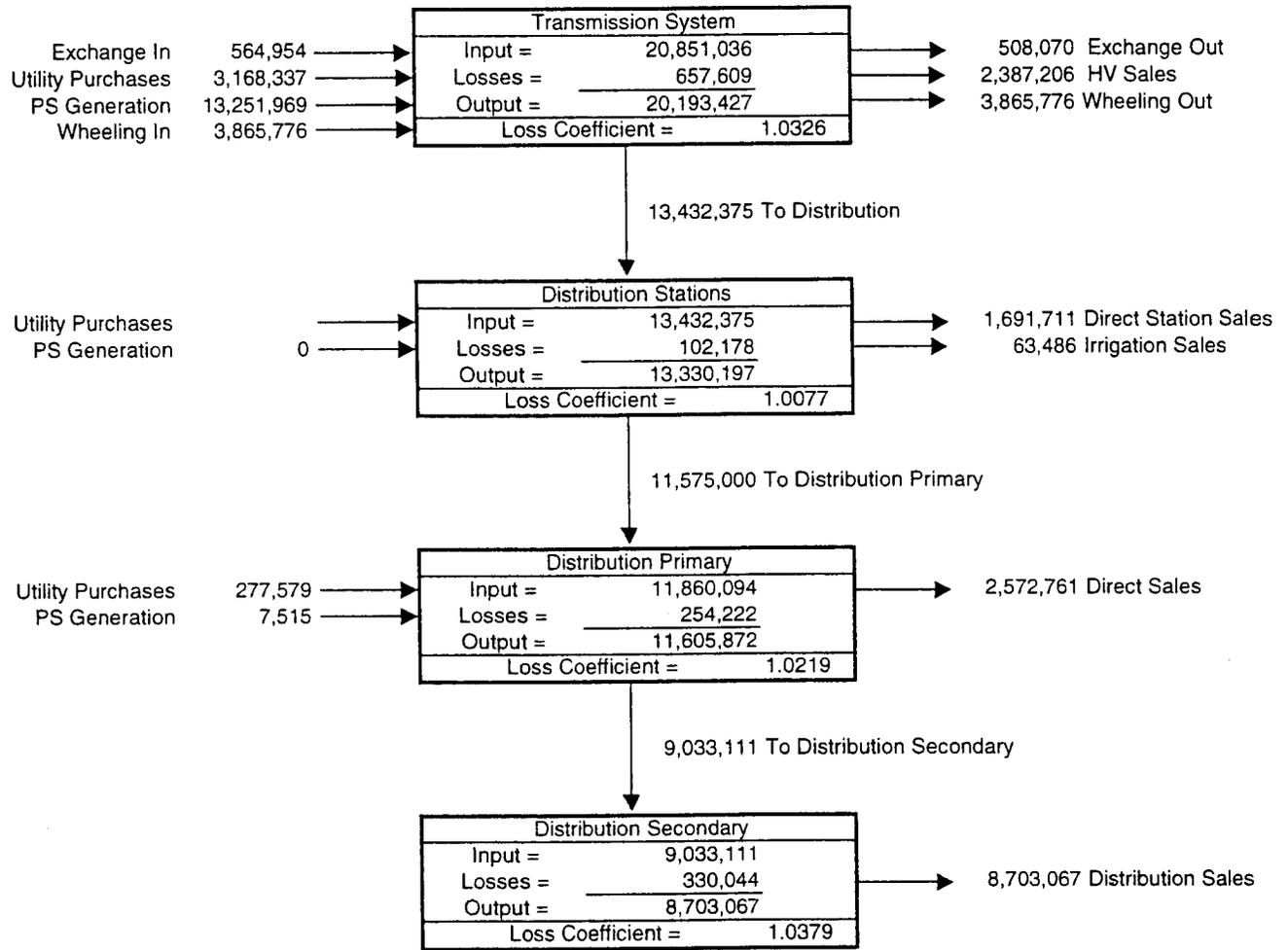
Attachment: 2001 FERC Form 1, and energy flow diagram

ELECTRIC ENERGY ACCOUNT

Report below the information called for concerning the disposition of electric energy generated, purchased, exchanged and wheeled during the year.

Line No.	Item (a)	MegaWatt Hours (b)	Line No.	Item (a)	MegaWatt Hours (b)
1	SOURCES OF ENERGY		21	DISPOSITION OF ENERGY	
2	Generation (Excluding Station Use):		22	Sales to Ultimate Consumers (Including Interdepartmental Sales)	13,031,025
3	Steam	7,596,342	23	Requirements Sales for Resale (See instruction 4, page 311.)	90,241
4	Nuclear		24	Non-Requirements Sales for Resale (See instruction 4, page 311.)	2,296,965
5	Hydro-Conventional	5,637,841	25	Energy Furnished Without Charge	
6	Hydro-Pumped Storage		26	Energy Used by the Company (Electric Dept Only, Excluding Station Use)	
7	Other	25,301	27	Total Energy Losses	1,343,731
8	Less Energy for Pumping		28	TOTAL (Enter Total of Lines 22 Through 27) (MUST EQUAL LINE 20)	16,761,962
9	Net Generation (Enter Total of lines 3 through 8)	13,259,484			
10	Purchases	3,445,916			
11	Power Exchanges:				
12	Received	564,954			
13	Delivered	508,070			
14	Net Exchanges (Line 12 minus line 13)	56,884			
15	Transmission For Other (Wheeling)				
16	Received	3,865,776			
17	Delivered	3,866,098			
18	Net Transmission for Other (Line 16 minus line 17)	-322			
19	Transmission By Others Losses				
20	TOTAL (Enter Total of lines 9, 10, 14, 18 and 19)	16,761,962			

**Figure 1:
Idaho Power Company
2001
Energy Loss Coefficients Diagram - Including Wheeling
Values in MWh**



	Totals
Exchange In =	564,954
Utility Purchases =	3,445,916
PS Generation =	13,259,484
Total Input =	21,136,130
Exchange Out =	508,070
HV Sales =	2,387,206
Station Sales =	1,755,197
Dist. Secondary Sales =	11,275,828
Total Output =	19,792,077
Total Losses =	1,344,053