

Canadian SCWR EXERGY BALANCE

component	Resource	Product	Exergy efficiency	Irreversibilities	% total
FWH_HP2	86,661.76	76,419.66	88.18%	10,242.11	1.75%
FWH_HP3	88,889.37	80,289.95	90.33%	8,599.42	1.47%
FWH_HP4	94,872.29	85,096.35	89.70%	9,775.94	1.67%
cond_HPini	0.04	0.00	0.00%	0.00	0.00%
FWH_LP2	22,653.64	17,359.59	76.63%	5,294.05	0.90%
FWH_LP3	31,244.76	25,876.94	82.82%	5,367.82	0.92%
FWH_LP4	50,543.50	36,680.00	72.57%	13,863.50	2.37%
cond_ini	0.04	0.00	0.00%	0.00	0.00%
HPT1	263,965.50	253,372.24	95.99%	10,593.27	1.81%
HPT2	154,061.43	147,257.87	95.58%	6,803.56	1.16%
IPT2	124,845.88	119,502.95	95.72%	5,342.93	0.91%
Valve1	22,135.00	0.00	0.00%	22,135.00	3.78%
valve2	2,496.12	0.00	0.00%	2,496.12	0.43%
IPT1	114,521.93	110,138.68	96.17%	4,383.25	0.75%
IPT3	119,312.66	113,483.86	95.11%	5,828.80	0.99%
IPT4	116,320.51	106,035.54	91.16%	10,284.98	1.76%
LPT1	127,612.36	119,234.88	93.44%	8,377.49	1.43%
LPT2	130,082.23	120,312.39	92.49%	9,769.84	1.67%
LPT3	132,487.48	121,683.97	91.85%	10,803.52	1.84%
LPT4	164,705.80	119,184.41	72.36%	45,521.40	7.77%
CE pump	3,163.09	2,559.90	80.93%	603,184.00	0.10%
mixer_1	66,315.89	66,296.81	99.97%	19.07	0.00%
FW pump	56,764.45	49,259.13	86.78%	7,505.32	1.28%
feedwater tank	135,780.32	134,739.78	99.23%	1,040.54	0.18%
mixer_2	56,388.15	56,040.50	99.38%	347,653.00	0.06%
FWH_LP1	14,394.51	9,070.27	63.01%	5,324.25	0.91%
FWH_HP1	46,468.67	43,499.58	93.61%	2,969.09	0.51%
Reheater 1	37,869.75	36,503.52	0.00%	1,366.23	0.23% dryer_v-extr_3.2
reheater 2	22,928.37	20,985.74	0.00%	1,942.64	0.33% RH2-extr_2.2
condenser	65,239.08	0.00	0.00%	65,239.08	11.13% Tk = 15,00 °C
reactor	1,862,805.83	1,558,471.78	83.66%	304,334.05	51.92% Tk = 670,00 °C
global	1,862,805.92	1,276,631.86	68.53%	586,174.06	100.00%
T0 = 288.15 K					