

Eco-Efficiency Indicators: Water Use

WATER RECEIVED [m³]	2004	2005	2006	2007	2008
Water withdrawal from a ground water source (river water)	41'715'527	44'766'221	38'452'388	43'699'404	42'117'367
Water withdrawal from a ground water source (ground or well water)	8'620'211	9'589'733	6'858'655	6'124'562	6'469'345
Water delivered (towns water)	10'466'154	10'665'498	5'493'018	5'305'364	4'399'506
Total water received	60'801'892	65'021'452	50'804'061	55'129'330	52'986'218
Spent cooling water	37'892'444	39'468'636	36'424'491	42'081'640	42'561'309
Net Value Added [million CHF]	2'587	2'412	2'154	2'158	1'881
ECO-EFFICIENCY INDICATOR "WATER RECEIVED / NET VALUE ADDED" [m³/million CHF]	23'503	26'957	23'586	25'546	28'169
Net Value Added [million CHF] at 2000 exchange rates	3'273	3051.0	2668.0	2572.0	2681.0
ECO-EFFICIENCY INDICATOR "WATER RECEIVED / NET VALUE ADDED" [m³/million CHF] at 2000 exchange rates	18'577	21'312	19'042	21'434	19'764

For the WATER USE eco-efficiency indicator, we have calculated the total water received by the reporting sites, except conveyance gains (rain and storm water). All water received is either for industrial use or commercial use, and to a small extent, irrigation. The reporting system cannot determine the amount received for these different types of water use. In our reporting system, we cannot determine how much water is returned to the surface water and is available for immediate reuse (return flow). We have indicated how much spent cooling water is returned to surface without being able to qualify if it is available for immediate reuse or not. Therefore we recognize all water received as water consumption (worst case scenario).

The spent cooling water is not treated before it is returned to the surface water. Effluents from the processes and sanitary effluents are treated to meet the discharge conditions laid down for the site. The treatment can take place in the production plants, onsite or in publicly owned effluent treatment plants.

For the year 2005 1'590'561 m³ added from ex-Raisio sites. (4.5% increase in "old Ciba" sites)

For the year 2006 6'560'392 m³ from former TE-sites subtracted. Consequently Net Value Added 2006 does not include TE.



Ciba