

Industrial water supplies



Water use in NL (2016)

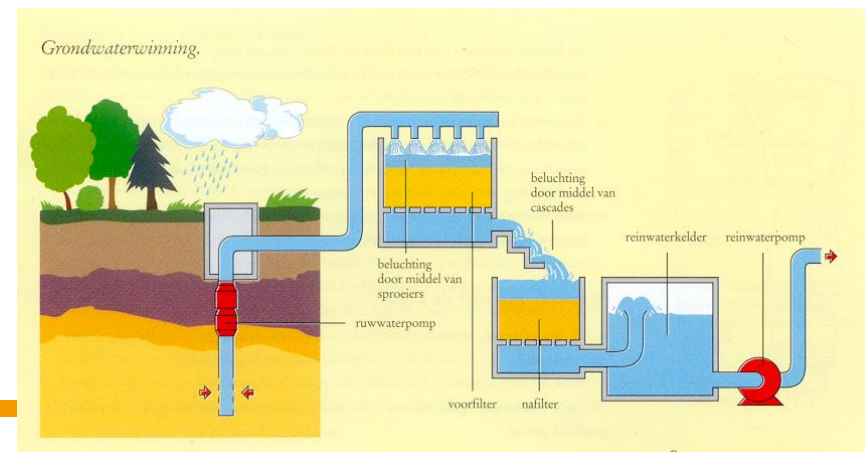
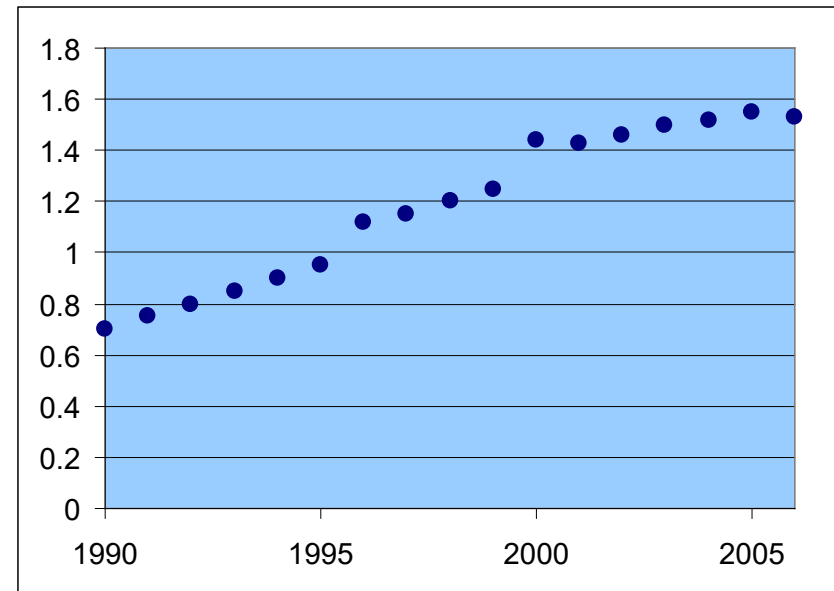
	Tapwater mln m3	Groundwater mln m3	Surface water mln m3
Total use	1095.3	983.4	14443
Households	805.3	.	.
All economic activities	290	.	.
A Agriculture and fisheries	43.6	56.4	20.1
B Mining activities	2.7	0.1	0.7
C Industry	130.9	143.8	3007.3
10-12 Food Industry	58.5	56.4	153.6
20 Chemical industry	26.1	11.2	2075.5
D Power supply	4	3.7	10377.6
E Water companies and (waste) recycling	4	779.4	1037.3
36 Watercompanies	0.2	777.9	482.5

Source: CBS



Drivers for customized IW supply

- Costs.
- Policy: groundwater reservation for drinking water production.
- Technology: membranes.



Ultra pure water production from WWTP effluent



nieuWATER



Program

Development and performance evaluation of Layer-by-Layer nanofiltration membranes for (waste)water treatment and reuse.

dr.ir. Harry Futselaar, Saxion University of Applied Sciences,
The Netherlands

Fit-for-use technologies for reuse of industrial condensates: a pilot scale investigation at Dow Benelux.

Han Cao, HZ University of Applied Sciences, The Netherlands

Is production of food grade industrial water from effluent possible?

dr.ir. Perry van der Marel, North Water BV, The Netherlands

