Appendix A - AWG Life Cycle Inventory Inputs (version 4, 12/19/2018)

Scale
Vendor Name
Used in LCA Model
Unit name
Manufacturer name
Manufacturer website
Manufacture Location (City/State/Country)
Location of Use (City/State/Country)
Transport mode to point of use (air, truck, rail, ocean freighter)
Location of installation
Water purification steps
Step 1
Step 2
Step 3
Step 4
Relative Humidity (%)
Temperature (°C)
Water produced per day (L/day)
Water generation capacity (L/day)
Cost of water generated (US$/L)
Operation time of day (e.g., day/night, both)
Average electricity required (Wh/L)
Standard cost per grid electricity(US$/kwh)
Power (L/Kw)
Power consumption(Kw)

Energy consumption (Kwh/L)
Diesel consumption (L/day)
Electricity required for water delivery (wh/g)
Initial cost per AWG unit (US$)
Total AWG unit weight (empty)(kg)
Total steel weight (kg)
Operation cost per liter (US$)
Annual operation cost (US$)
Annual AWG unit maintenance cost (US$)
Expected lifetime of AWG unit (years)
AWG infrastructure composition (% of total unit weight)
Internal water storage capacity (L)
Size of water tank (L)
Total cost of filter replacement (US$/year)
Frequency of filters replacement
Weight of ALL filters (combined) (kg)
Expected lifetime of air filter (months)
Air filter component weights (kg)

Air filter cost (US$/unit)
Expected lifetime of air shutter filter (months)
Air shutter filter component weights (kg)
Air shutter filter cost (US$/unit)
Expected lifetime of sediment filter (months)
Sediment filter component weights (kg)
Sediment filter cost (US$/unit)
Expected lifetime of mineral filter (months)
Mineral filter component weights (kg)
Mineral filter cost (US$/unit)
Expected lifetime of polish filter (months)
Polish filter component weights (kg)
Polish filter cost (US$/unit)
Expected lifetime of carbon filter (months)
Carbon filter component weights (kg)
Carbon filter cost (US$/unit)
Expected lifetime of RO membrane (months)
RO membrane component weights (kg)
RO membrane cost (US$)
Filter disposal method
Air filter
Air shutter filter
Sediment filter
Mineral filter
Polish filter
Carbon filter

Electricity required for UV treatment (if not covered above)(Wh/L)
UV bulb total weight (kg)
UV bulb composition (% of total bulb weight)
Expected lifetime of UV bulb (months)
UV bulb Cost (US$/unit)
Sodium hypochlorite consumption (g/L water produced)
Sodium hypochlorite cost (US$/kg)
Sodium hypochlorite concentration (%)
Refrigerant used
Initial quantity of refrigerant purchased for AWG unit (g)
Cost of refrigerant (US$/g)
Refrigerant replacement rate (g/year)
Tank sterilization frequency (month)
Sterilization Water Use (L)
Disinfectant (Brand, Form)
Disinfectant Use (L)
Disinfectant Solution Strength (Cl) (ppm)
Comparative renewable electricity off-grid option
Dispenser setting (cold or ambient)
WaterGen warehouse locations

EcoloBlue10000	
EcoloBlue	**Source and Notes**
https://ecoloblue.com	
USA	
Customizable water station for a town/city (scalable)	
RO	11-step filtration system: https://ecoloblue.com/content/48-how-it-works-ecoloblue
Mineralization	
Carbon (pre-carbon and post-carbon filtration	
Top tank and inline UV	
25-100	https://ecoloblue.com/industrial/171-ecoloblue-10000.html
30 (0-60)	https://ecoloblue.com/industrial/171-ecoloblue-10000.html
10000	https://ecoloblue.com/industrial/171-ecoloblue-10000.html
430	
19.4	https://ecoloblue.com/industrial/171-ecoloblue-10000.html

0.43	EcoloBlue Corporate Presentation 2018
158	https://ecoloblue.com/industrial/171-ecoloblue-10000.html
430000 (Plus 4800 for 8L tank)	EcoloBlue Industrial Units - Retail Price List - 2018
9800	EcoloBlue Corporate Presentation 2018
0.72 (0.19 per gallon)	EcoloBlue 1000 Series Industrial Units Parameters 2018
192720	EcoloBlue 1000 Series Industrial Units Parameters 2018
3767	EcoloBlue 1000 Series Industrial Units Parameters 2018
20	https://ecoloblue.com/industrial/171-ecoloblue-10000.html
3000	EcoloBlue Corporate Presentation 2018
Tailormade filtration process	EcoloBlue 1000 Series Industrial Units Parameters 2018
Can use any of the 3 external tank/filtration systems options (see column H)	EcoloBlue 1000 Series Industrial Units Parameters 2018

6	EcoloBlue 1000 Series Industrial Units Parameters 2018
6 (x2 filters: pre-carbon and post-carbon)	EcoloBlue 1000 Series Industrial Units Parameters 2018
24	EcoloBlue 1000 Series Industrial Units Parameters 2018

12 (x3 bulbs)	EcoloBlue 1000 Series Industrial Units Parameters 2018
R407c	https://ecoloblue.com/industrial/171-ecoloblue-10000.html

LARGE SCALE (Industrial Uni		
ECOLOBLUE		
		Used in L
Ecoloblue1000		Ecolobl
EcoloBlue	**Source and Notes**	EcoloBlue
https://ecoloblue.com		https://ecoloblue.com
USA		USA
Industrial units (scalable)	EcoloBlue 1000 Series Industrial Units Parameters 2018	Industrial units (scalable)
RO	https://ecoloblue.com/content/48-how-it-works-ecoloblue	RO
Mineralization		Mineralization
Carbon		Carbon
UV		UV
25-100	EcoloBlue 1000 Series Industrial Units Parameters 2018	30-80
30 (0-60)	EcoloBlue 1000 Series Industrial Units Parameters 2018	30 (0-55)
1000	EcoloBlue 1000 Series Industrial Units Parameters 2018	3000 (4781-193)
		0.06
410	EcoloBlue 1000 Series Industrial Units Parameters 2018	410
19.4	https://ecoloblue.com	52

0.41	https://ecoloblue.com	0.41
111	EcoloBlue 1000 Series Industrial Units Parameters 2018	306
56950 (Plus 4800 for 8L tank)	EcoloBlue Industrial Units - Retail Price List - 2018	154900 (Plus 4800 for 8L tank)
1250	EcoloBlue Corporate Presentation 2018	3800
		3542
0.72 (0.19 per gallon)	EcoloBlue 1000 Series Industrial Units Parameters 2018	0.72 (0.19 per gallon)
26280	EcoloBlue 1000 Series Industrial Units Parameters 2018	61320
2699	EcoloBlue 1000 Series Industrial Units Parameters 2018	3767
20	EcoloBlue 1000 Series Industrial Units Parameters 2018	20
880	EcoloBlue Corporate Presentation 2018	3000
Tailormade filtration process		Tailormade filtration process
150	EcoloBlue 1000 Series Industrial Units Parameters 2018	200
		6
		6.8

6	EcoloBlue 1000 Series Industrial Units Parameters 2018	6
6 (x2 filters: pre-carbon and post-carbon)	EcoloBlue 1000 Series Industrial Units Parameters 2018	6 (x2 filters: pre-carbon and post-carbon)
24	EcoloBlue 1000 Series Industrial Units Parameters 2018	24

		150 (50x3)
12 (x3 bulbs)	EcoloBlue 1000 Series Industrial Units Parameters 2018	12 (x3 bulbs)
		63 ($21 each)
R407c	https://ecoloblue.com/ecoloblue-1000/47-ecoloblue-1000.html	R407c
		44

ts)		
CA model		
ue3000	Ecoloblue5000	
Source and Notes	EcoloBlue	Source and Notes
	https://ecoloblue.com	
	USA	
EcoloBlue 1000 Series Industrial Units Parameters 2018	Industrial units (scalable)	EcoloBlue 1000 Series Industrial Units Parameters 2018
https://ecoloblue.com/content/48-how-it-works-ecoloblue	RO	https://ecoloblue.com/content/48-how-it-works-ecoloblue
	Mineralization	
	Carbon	
	UV	
EcoloBlue 1000 Series Industrial Units Parameters 2018	25-100	EcoloBlue 1000 Series Industrial Units Parameters 2018
EcoloBlue 1000 Series Industrial Units Parameters 2018	30 (0-60)	EcoloBlue 1000 Series Industrial Units Parameters 2018
EcoloBlue 1000 Series Industrial Units Parameters 2018	5000	EcoloBlue 1000 Series Industrial Units Parameters 2018
Calculated		
EcoloBlue 1000 Series Industrial Units Parameters 2018	430	EcoloBlue 1000 Series Industrial Units Parameters 2018
https://ecoloblue.com	100	https://ecoloblue.com

https://ecoloblue.com	0.43	https://ecoloblue.com
EcoloBlue 1000 Series Industrial Units Parameters 2018	650	EcoloBlue 1000 Series Industrial Units Parameters 2018
EcoloBlue Industrial Units - Retail Price List - 2018	226700 (Plus 4800 for 8L tank)	EcoloBlue Industrial Units - Retail Price List - 2018
EcoloBlue Corporate Presentation 2018	5000	EcoloBlue Corporate Presentation 2018
Calculated (subtracted weight of filters from total weight)		
EcoloBlue 1000 Series Industrial Units Parameters 2018	0.72 (0.19 per gallon)	EcoloBlue 1000 Series Industrial Units Parameters 2018
EcoloBlue 1000 Series Industrial Units Parameters 2018	94170	EcoloBlue 1000 Series Industrial Units Parameters 2018
EcoloBlue 1000 Series Industrial Units Parameters 2018	3767	EcoloBlue 1000 Series Industrial Units Parameters 2018
EcoloBlue 1000 Series Industrial Units Parameters 2018	20	EcoloBlue 1000 Series Industrial Units Parameters 2018
EcoloBlue Corporate Presentation 2018	3000	EcoloBlue Corporate Presentation 2018
s	Tailormade filtration process	
EcoloBlue 1000 Series Industrial Units Parameters 2018	500	EcoloBlue 1000 Series Industrial Units Parameters 2018
https://ecoloblue.com		
Assumed same as WaterGen		

EcoloBlue 1000 Series Industrial Units Parameters 2018	6	EcoloBlue 1000 Series Industrial Units Parameters 2018
EcoloBlue 1000 Series Industrial Units Parameters 2018	6 (x2 filters: pre-carbon and post-carbon)	EcoloBlue 1000 Series Industrial Units Parameters 2018
EcoloBlue 1000 Series Industrial Units Parameters 2018	24	EcoloBlue 1000 Series Industrial Units Parameters 2018

Assumed weight same as WaterGen		
EcoloBlue 1000 Series Industrial Units Parameters 2018	12 (x3 bulbs)	EcoloBlue 1000 Series Industrial Units Parameters 2018
https://ecoloblue.com/71-uv-bulbs		
https://ecoloblue.com/ecoloblue-1000/47-ecoloblue-1000.html	R407c	https://ecoloblue.com/ecoloblue-1000/47-ecoloblue-1000.html
Assumed same as WaterGen		

WATERGEN		
Used in LCA model		
Water-Gen Large Scale Water Generator		**EcoloblueEB100**
Water-Gen	**Source and Notes**	EcoloBlue
www.water-gen.com		https://ecoloblue.com
Israel		USA
Building Rooftop	WaterGen Brochure	
Chlorine treatment	WaterGen Brochure	
Mineralization	WaterGen Brochure	
Carbon filter	WaterGen Brochure	
60	WaterGen Brochure	25-99
26.7	WaterGen Brochure	5-50
3000-5000	WaterGen Brochure, WaterGen website	120
6000-12000 (2 units-4 units)	WaterGen Brochure	
0.02-0.04 (0.09 calculated)	WaterGen Brochure	
350-380 (used 350)	WaterGen Questionnaire	420
~55	WaterGen Questionnaire	2.1

		0.42
		16.1
0.05	WaterGen Questionnaire	
115,000	WaterGen Questionnaire	7,350
2870	WaterGen Questionnaire	180
2629	Calculated (subtracted weight of filters from total weight)	
		0.72 (0.19 per gallon)
		2190
7866	WaterGen Questionnaire	386
7-10	WaterGen Questionnaire	20
		50
5000 (External water tank)	WaterGen Questionnaire	
6 months	WaterGen Questionnaire	
70	WaterGen Questionnaire	
12	WaterGen Questionnaire	6
6.8	WaterGen Questionnaire	1.7

		13
6	WaterGen Questionnaire	6 (EB100)
		30 (EB100)
6	WaterGen Questionnaire	6(EB100)
		45(EB100)
6	WaterGen Questionnaire	
6	WaterGen Questionnaire	6(EB100)
		30(EB100)
		24(EB100)
		69(EB100)

50	WaterGen Questionnaire	
		12
		63
R410A	WaterGen Questionnaire	R407C
44	WaterGen Questionnaire	
6	WaterGen Questionnaire	

Source and Notes	EcoloBlue
	https://ecoloblue.com
	USA
EB 100 Manual 2016	25-99
EB 100 Manual 2016	5-50
EB 100 Manual 2016	300
EB 100 Manual 2016	420
EB 100 Manual 2016	4.5

	0.42
	40.1
EcoloBlue Industrial Units - Retail Price List - 2018	15,350
EcoloBlue Corporate Presentation 2018	380
EcoloBlue 100 Series Industrial Units Parameters 2018	0.72 (0.19 per gallon)
EcoloBlue 100 Series Industrial Units Parameters 2018	5475
EcoloBlue 100 Series Industrial Units Parameters 2018	548
EcoloBlue 100 Series Industrial Units Parameters 2018	20
EcoloBlue Corporate Presentation 2018	150
https://ecoloblue.com/quick-change-filters/27-6-month-qcf-kit.html	6
Assumed same as WaterGen	1.7

https://ecoloblue.com/quick-change-filters/27-6-month-qcf-kit.html	13
https://ecoloblue.com/quick-change-filters/136-2-year-qcf-kit.html	6 (EB100)
https://ecoloblue.com/72-individual-qcf	30 (EB100)
https://ecoloblue.com/quick-change-filters/136-2-year-qcf-kit.html	6(EB100)
https://ecoloblue.com/72-individual-qcf	45(EB100)
https://ecoloblue.com/quick-change-filters/136-2-year-qcf-kit.html	6(EB100)
https://ecoloblue.com/72-individual-qcf	30(EB100)
https://ecoloblue.com/quick-change-filters/136-2-year-qcf-kit.html	24(EB100)
https://ecoloblue.com/72-individual-qcf	69(EB100)

	12
https://ecoloblue.com/71-uv-bulbs	63
EB 100 Manual 2016	R407C

MEDIUM SCALE (Light Industrial Units)	
ECOLOBLUE	
	Used in LC
EcoloblueEB300	Ecoloblu
Source and Notes	EcoloBlue
	https://ecoloblue.com
	USA
EB 100 Manual 2016	30-80
EB 100 Manual 2016	0-55
EB 100 Manual 2016	600 (962-50)
	0.06
EB 100 Manual 2016	420
EB 100 Manual 2016	10.8

	0.42
	88
EcoloBlue Industrial Units - Retail Price List - 2018	30,750
EcoloBlue Corporate Presentation 2018	1000
	981
EcoloBlue 100 Series Industrial Units Parameters 2018	0.72 (0.19 per gallon)
EcoloBlue 100 Series Industrial Units Parameters 2018	10950
EcoloBlue 100 Series Industrial Units Parameters 2018	870
EcoloBlue 100 Series Industrial Units Parameters 2018	20
EcoloBlue Corporate Presentation 2018	420
	10
https://ecoloblue.com/quick-change-filters/27-6-month-qcf-kit.html	6
Assumed same as WaterGen	1.7

https://ecoloblue.com/quick-change-filters/27-6-month-qcf-kit.html	13
https://ecoloblue.com/quick-change-filters/136-2-year-qcf-kit.html	6 (EB100)
https://ecoloblue.com/72-individual-qcf	30 (EB100)
https://ecoloblue.com/quick-change-filters/136-2-year-qcf-kit.html	6(EB100)
https://ecoloblue.com/72-individual-qcf	45(EB100)
https://ecoloblue.com/quick-change-filters/136-2-year-qcf-kit.html	6(EB100)
https://ecoloblue.com/72-individual-qcf	30(EB100)
https://ecoloblue.com/quick-change-filters/136-2-year-qcf-kit.html	24(EB100)
https://ecoloblue.com/72-individual-qcf	69(EB100)

	150 (50x3)
	12
https://ecoloblue.com/71-uv-bulbs	63
EB 100 Manual 2016	R407C
	5.5

	WATERGEN		
A model	**Used in LCA model**		**Use**
eEB600	**Medium scale atmospheric water generator (GEN-350)**		**E**
Source and Notes	Water-Gen	**Source and Notes**	EcoloBlue
	www.water-gen.com		https://ecoloblue.com
	Israel		USA
	Normal cargo/forklift	GEN-350G Manual V1.5c	
	Mounted on a truck or SUV	WaterGen Brochure	Home/Office
			11 step filtration system
	UV treatment	WaterGen Brochure	
	mineralization	WaterGen Brochure	
	Carbon filter	WaterGen Brochure	
EB 100 Manual 2016	55 (20-70)	GEN-350G Manual V1.5c	0-60
EB 100 Manual 2016	25 (15-40)	GEN-350G Manual V1.5c	25-100
EB 100 Manual 2016	400 (578-38)	WaterGen Brochure	30-20
	820	GEN-350G Manual V1.5c	
Calculated	0.02-0.04 (0.14 calculated)	WaterGen Brochure	0.07
EB 100 Manual 2016	330	WaterGen Questionnaire	400
EB 100 Manual 2016	5.6	WaterGen Questionnaire	

			0.3
EcoloBlue Industrial Units - Retail Price List - 2018	55,000	WaterGen Questionnaire	799
EcoloBlue Corporate Presentation 2018	800	WaterGen Questionnaire	50
Calculated (subtracted weight of filters from total weight)	749	Calculated (subtracted weight of filters from total weight)	47
EcoloBlue 100 Series Industrial Units Parameters 2018			
EcoloBlue 100 Series Industrial Units Parameters 2018			
EcoloBlue 100 Series Industrial Units Parameters 2018	2500	WaterGen Questionnaire	228
EcoloBlue 100 Series Industrial Units Parameters 2018	7-10	WaterGen Questionnaire	
EcoloBlue Corporate Presentation 2018			19 (5 gallons)
	200	WaterGen Questionnaire	
		GEN-350G Manual V1.5c	
Assumed as watergen	10	WaterGen Questionnaire	1.8
https://ecoloblue.com/quick-change-filters/27-6-month-qcf-kit.html	12	GEN-350G Manual V1.5c	6
Assumed same as WaterGen	1.7	WaterGen Questionnaire	0.2

https://ecoloblue.com/quick-change-filters/27-6-month-qcf-kit.html			13
	12	GEN-350G Manual V1.5c	
https://ecoloblue.com/quick-change-filters/136-2-year-qcf-kit.html	6	GEN-350G Manual V1.5c	6
https://ecoloblue.com/72-individual-qcf			30
https://ecoloblue.com/quick-change-filters/136-2-year-qcf-kit.html	6	GEN-350G Manual V1.5c	6
https://ecoloblue.com/72-individual-qcf			45
	6	GEN-350G Manual V1.5c	
https://ecoloblue.com/quick-change-filters/136-2-year-qcf-kit.html	6	GEN-350G Manual V1.5c	6
https://ecoloblue.com/72-individual-qcf			30
https://ecoloblue.com/quick-change-filters/136-2-year-qcf-kit.html			24
https://ecoloblue.com/72-individual-qcf			69

Assumed weight same as WaterGen	50	WaterGen Questionnaire	100 (50x2)
	12	GEN-350G Manual V1.5c	12
https://ecoloblue.com/71-uv-bulbs			42
EB 100 Manual 2016	R410A	GEN-350G Manual V1.5c	
Assumed same as WaterGen	5.5	WaterGen Questionnaire	0.6
	6	GEN-350G Manual V1.5c	
	Aquatab, tablet	WaterGen Questionnaire	
	x3, 167 mg tablets	WaterGen Questionnaire	
	2	WaterGen Questionnaire	
	Miami, FL, Columbia, SC, Austin, TX	WaterGen Questionnaire	

		SMALL SCA
	ECOLOBLUE	
d in LCA model		
coloblue30E	Ecoloblue30X	
Source and Notes	EcoloBlue	Source and Notes
	https://ecoloblue.com	
	USA	
https://ecoloblue.com/atmospheric-water-generator/228-148-ecoloblue-30e.html#/21-color-white	Home/Office	https://ecoloblue.com/atmospheric-water-generator/228-148-ecoloblue-30e.html#/21-color-white
https://ecoloblue.com/atmospheric-water-generator/228-148-ecoloblue-30e.html#/21-color-white	11 step filtration system	https://ecoloblue.com/atmospheric-water-generator/228-148-ecoloblue-30e.html#/21-color-white
Assumption (no data available)		
Assumption (no data available)		
https://ecoloblue.com/atmospheric-water-generator/230-142-ecoloblue-30x.html#	30	https://ecoloblue.com/atmospheric-water-generator/230-142-ecoloblue-30x.html#
calculated		
Assumption (no data available)		

https://www.ecoloblueblog.com/tag/power-consumption/	0.3	https://www.ecoloblueblog.com/tag/power-consumption/
https://ecoloblue.com/49-atmospheric-water-generator	1299	https://ecoloblue.com/49-atmospheric-water-generator
EcoloBlue Corporate Presentation 2018	50	EcoloBlue Corporate Presentation 2018
Calculated (subtracted weight of filters from total weight)		
https://ecoloblue.com/5-filters	228	https://ecoloblue.com/5-filters
https://ecoloblue.com/atmospheric-water-generator/228-148-ecoloblue-30e.html#	19 (5 gallons)	https://ecoloblue.com/atmospheric-water-generator/228-148-ecoloblue-30e.html#
EcoloBlue Corporate Presentation 2018	1.8	EcoloBlue Corporate Presentation 2018
https://ecoloblue.com/quick-change-filters/27-6-month-qcf-kit.html	6	https://ecoloblue.com/quick-change-filters/27-6-month-qcf-kit.html
Google search for filter fabric weight	0.2	Google search for filter fabric weight

https://ecoloblue.com/quick-change-filters/27-6-month-qcf-kit.html	13	https://ecoloblue.com/quick-change-filters/27-6-month-qcf-kit.html
https://ecoloblue.com/5-filters	6	https://ecoloblue.com/5-filters
https://ecoloblue.com/5-filters	30	https://ecoloblue.com/5-filters
https://ecoloblue.com/5-filters	6	https://ecoloblue.com/5-filters
https://ecoloblue.com/5-filters	45	https://ecoloblue.com/5-filters
https://ecoloblue.com/5-filters	6	https://ecoloblue.com/5-filters
https://ecoloblue.com/5-filters	30	https://ecoloblue.com/5-filters
https://ecoloblue.com/quick-change-filters/136-2-year-qcf-kit.html	24	https://ecoloblue.com/quick-change-filters/136-2-year-qcf-kit.html
https://ecoloblue.com/5-filters	69	https://ecoloblue.com/5-filters

Assumed weight same as WaterGen		
	12	
https://ecoloblue.com/71-uv-bulbs	42	https://ecoloblue.com/71-uv-bulbs
Assumed same as WaterGen		

LE (Home/Office Use)		
		WATERGE
		Used in LCA m
Ecoloblue30X Alkaline		GENNY - Water from Air H
EcoloBlue	Source and Notes	Water-Gen
https://ecoloblue.com		www.water-gen.com
USA		Israel
Home/Office	https://ecoloblue.com/atmospheric-water-generator/228-148-ecoloblue-30e.html#/21-color-white	In home or office building
11 step filtration system	https://ecoloblue.com/atmospheric-water-generator/228-148-ecoloblue-30e.html#/21-color-white	
		Ozone treatment
		Mineralization
		Carbon filter
		60
		26.7
30	https://ecoloblue.com/atmospheric-water-generator/230-142-ecoloblue-30x.html#	25-15
		0.02-0.04 (0.13 calculated)
		300
		250 W (1500W for hot water heater)

0.3	https://www.ecoloblueblog.com/tag/power-consumption/	0.3
1499	https://ecoloblue.com/49-atmospheric-water-generator	1,000-1,250 (TBD, so we used the higher of the two)
50	EcoloBlue Corporate Presentation 2018	50
		45
228	https://ecoloblue.com/5-filters	228
		7-10
19 (5 gallons)	https://ecoloblue.com/atmospheric-water-generator/228-148-ecoloblue-30e.html#	
		28L (cold) and 2L (hot)
		once a year
1.8	EcoloBlue Corporate Presentation 2018	2
6	https://ecoloblue.com/quick-change-filters/27-6-month-qcf-kit.html	12
0.2	Google search for filter fabric weight	0.2

13	https://ecoloblue.com/quick-change-filters/27-6-month-qcf-kit.html	
6	https://ecoloblue.com/5-filters	6
30	https://ecoloblue.com/5-filters	
6	https://ecoloblue.com/5-filters	6
45	https://ecoloblue.com/5-filters	
		6
6	https://ecoloblue.com/5-filters	6
30	https://ecoloblue.com/5-filters	
24	https://ecoloblue.com/quick-change-filters/136-2-year-qcf-kit.html	
69	https://ecoloblue.com/5-filters	

		50
12		
42	https://ecoloblue.com/71-uv-bulbs	
		R410A
		0.6
		6

N
odel
lome Appliance
Source and Notes
WaterGen Brochure
water-gen.com/products/water-from-air/genny-water-from-air-home-appliance/
WaterGen Questionnaire
WaterGen Questionnaire
WaterGen Brochure
water-gen.com/products/water-from-air/genny-water-from-air-home-appliance/
WaterGen Questionnaire
WaterGen Questionnaire

Assumed same as EcoloBlue 30X
WaterGen Questionnaire
WaterGen Questionnaire
Calculated (subtracted weight of filters from total weight)
Assumed same as EcoloBlue 30X
WaterGen Questionnaire
WaterGen Questionnaire
WaterGen Questionnaire
WaterGen Questionnaire
Google search for filter fabric weight

WaterGen Questionnaire

WaterGen Questionnaire

WaterGen Questionnaire

WaterGen Questionnaire

WaterGen Questionnaire

WaterGen Questionnaire

WaterGen Questionnaire

WaterGen Questionnaire

Cell: B7
Comment: ERG:
It is important to mention that the company Ecoloblue is not operational any longer, but it was operating at the time this study was conducted. The additional data points from Ecoloblue are useful for determining a range of AWG LCA results.

Cell: D7
Comment: ERG:
It is important to mention that the company Ecoloblue is not operational any longer, but it was operating at the time this study was conducted. The additional data points from Ecoloblue are useful for determining a range of AWG LCA results.

Cell: F7
Comment: ERG:
It is important to mention that the company Ecoloblue is not operational any longer, but it was operating at the time this study was conducted. The additional data points from Ecoloblue are useful for determining a range of AWG LCA results.

Cell: H7
Comment: ERG:
It is important to mention that the company Ecoloblue is not operational any longer, but it was operating at the time this study was conducted. The additional data points from Ecoloblue are useful for determining a range of AWG LCA results.

Cell: L7
Comment: ERG:
It is important to mention that the company Ecoloblue is not operational any longer, but it was operating at the time this study was conducted. The additional data points from Ecoloblue are useful for determining a range of AWG LCA results.

Cell: N7
Comment: ERG:
It is important to mention that the company Ecoloblue is not operational any longer, but it was operating at the time this study was conducted. The additional data points from Ecoloblue are useful for determining a range of AWG LCA results.

Cell: P7
Comment: ERG:
It is important to mention that the company Ecoloblue is not operational any longer, but it was operating at the time this study was conducted. The additional data points from Ecoloblue are useful for determining a range of AWG LCA results.

Cell: T7
Comment: ERG:
It is important to mention that the company Ecoloblue is not operational any longer, but it was operating at the time this study was conducted. The additional data points from Ecoloblue are useful for determining a range of AWG LCA results.

Cell: V7

Comment: ERG:

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Cell: X7

Comment: ERG:

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Bottled Water Comparison to AWG

version 2, 9/24/2018

Volume
List Count # for Multipack (e.g., 24 bottles per multipack)
Lifetime uses

Water type
Bottle material type (e.g., PET, PP, PC or HDPE plastic)
Empty Bottle weight (g)
Bottle Recycling rate (%)
Recycled content (%)
Cap material (e.g., PP or HDPE plastic)
Cap weight (g)
Cap Recycling rate (%)
Label weight (g)
Label material
Label Recycling rate (%)
Include shrink wrap for multipack packaging (Yes/No)
Shrink wrap material type
Shrink wrap weight (g)
Include product option: treated municipal water (Yes/No)
Include product option: spring water (Yes/No)
Transportation plant to retail (mi)
Note: we estimate packaging weight, recycled content, recycling rate and costs based on publicly available information f
**Public data for Poland Spring 16.9 oz bottle*

Single serve bottle*	Multi serve jug
500 ml (16.9 oz)	18.9 L (5 gallon)
24	n/a
1	40
Purified municipal water or extracted spring water with ultrafiltration, ozone treatment, and UV	
Polyethylene Terephthalate (PET)	Polycarbonate (PC)
9.3	794 (1.75 pounds)
31.3	100
0	0
Polypropylene (PP)	Low-density polyethylene (LDPE)
1.1	14.5
31.3	n/a
0.6	n/a
PP	n/a
0	n/a
Yes	n/a
LDPE	n/a
31.5	n/a
Yes	Yes
Yes	Yes
100	n/a

or bottled water brands sold in North America.