BASF in the USA 2023 Facts & Figures



Sales

BASF Group (in million €)

BASF in USA (in million €)

2023 2022 2023 2022

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€68,902 **€**87,327 **€**15,764 **€**20,585

Employees and society

	11111	2023	2022
Employees (as of December 31, 2023)	111111111111111111111111111111111111111		
Employees BASF Group		111,991	111,481
Employees BASF in the U.S. (incl. Puerto Rico)		13,431	13,337
mary pursy///			
MHIIII	111111111111111111111111111111111111111		
Donation and Sponsoring	111111111111111111111111111111111111111		
Total spend in million €	111111111111111111111111111111111111111	3.6	4.2
WIII			

Focus areas

Human Resources

91

active apprentices* at 24 U.S. sites

Sustainability

For the **1st time** feedstock from plastic waste was processed at our Port Arthur, Texas site supporting a more circular economy.

Diversity, Equity and Inclusion

28%

female representation and 27% minority representation

Geismar, Louisiana

> Freeport, Texas

Environmental protection, health and safety

BASF in the USA

Steen consumption		1	2023	2022
Stuam consumption multiro tors 15,685,154 16,334,085 Fiel consumption (central power plants and boilers) MVM 11,804,232 10,705,893 1	Energy demand			
Emissions to air	Electricity consumption	MWh	2,966,744	3,216,045
Emissions to air	Steam consumption	metric tons	15,665,154	16,334,868
Second color Seco	Fuel consumption (central power plants and boilers)	MWh	11,604,232	10,705,890*
Emissions of air pollutants (without CH ₃): CO, NOx, NMVOC, SOx, dust, NH ₃ , other inorganics metric tons 9,766 8,25 Water Emissions to water: Organic substances (COD) metric tons 2,189 2,33 Emissions to water: Phrosphorus metric tons 682 66 Emissions to water: Phrosphorus metric tons 79 1,10 Water supply million cubic meters 67,3 75 Water used for production million cubic meters 28,6 36 Water used for cooling million cubic meters 2,185,4 2,186 Water used for cooling million cubic meters 2,185,4 2,186 Water supply by source Withdrawal of ground water % 76 6 Withdrawal of ground water % 76 6 6 Withdrawal of drinking water % 16 2 Waste 6 42 3 4 Footal amount of waste metric tons \$31,614 \$13,88 Recycling rate (including thermal recovery) % 42 3	Emissions to air			
Water Cocupational safety Enissions to water. Organic substances (COD) metric tons 2,168 2,33 Enissions to water. Nitrogen metric tons 652 66 Enissions to water. Heavy metals metric tons 4,15 4,0 Enissions to water. Phosphorus metric tons 79 11 Water supply million cubic meters 67.3 75 Water used for production million cubic meters 28.6 36 Water used for cooling million cubic meters 2,185.4 2,186.4 2,1	Greenhouse gas emissions (total): Co ₂ , N2O, CH ₄ , HFC, PFC, SF ₆	metric tons of CO ₂ -equivalents	5,349,475	5,249,562
Emissions to water: Organic substances (COD) metric tons 2,169 2,33 Emissions to water: Nitrogen metric tons 632 66 Emissions to water: Heavy metals metric tons 4,15 4,0 Emissions to water: Phosphorus metric tons 79 11 Water supply million cubic moters 67,3 75 Water used for production million cubic meters 2,86 36 Water used for cooling million cubic meters 2,185,4 2,186 Water used for cooling million cubic meters 2,186 36 Water supply by source Withdrawal of surface water % 76 6 Withdrawal of surface water % 76 6 6 Withdrawal of drinking water % 16 2 Waste metric tons 531,614 513,87 Robogoling rate including thermal recovery) % 20 2 Disposal of waste metric tons 531,614 513,87 Through incineration % 42 3	Emissions of air pollutants (without CH _g): CO, NOx, NMVOC, SOx, dust, NH ₃ / other inorganics	metric tons	9,766	8,229
Emissions to water: Nitrogen metric tons 632 66 Emissions to water: Heavy metals metric tons 4.15 4.0 Emissions to water: Phosphorus metric tons 79 110 Water supply million cubic meters 67.3 75 Water used for production million cubic meters 28.6 36 Water supply by source million cubic meters 2,185.4 2,186 Withdrawal of surface water % 76 6 Withdrawal of ground water % 76 6 Withdrawal of drinking water % 76 6 Withdrawal of drinking water % 8 6 Waste 8 6 16 2 Waster used of crowing water in the production of the production	Water			
Emissions to water: Heavy metals 4.15 4.45 Emissions to water: Phosphorus metric tons 79 11 Water supply million cubic meters 67.3 75 Water used for production million cubic meters 28.6 36 Water used for cooling million cubic meters 2.185.4 2,186.4 Water supply by source Withdrawal of surface water % 76 6 Withdrawal of ground water % 18 2 Withdrawal of drinking water % 8 8 Waste Withdrawal of drinking water % 8 9 2 2 Total amount of waste metric tons \$31,614 \$13,86 \$1,814 \$13,86 \$1,814 \$13,86 \$1,82 \$1,82 \$1,82 \$1,82 \$1,82 \$1,82	Emissions to water: Organic substances (COD)	metric tons	2,169	2,323
Emissions to water: Phosphorus metric tons 79 11 Water supply million cubic meters 67.3 75 Water used for production million cubic meters 28.8 36 Water used for cooling million cubic meters 2,185.4 2,186 Water supply by source Withdrawal of surface water % 76 6 Withdrawal of ground water % 16 2 Withdrawal of dinking water % 8 4 Waste metric tons 631,614 513,82 Recycling rate (including thermal recovery) % 20 2 Disposal of waste Through incineration % 42 3 Landfill % 33 4 Other disposal (including underground storage) % 5 Cocupational safety Lost-time injury rate (BASF employees, leased personnel and contractors) per 200,000 working hours 0.13 0.1 High Severity Work Process Related Injuries (HSI) per 200,000 working hours 0.06 N. Fatalities (total)	Emissions to water: Nitrogen	metric tons	632	688
Water supply million cubic meters 67.3 75 Water used for production million cubic meters 28.6 36 Water used for cooling million cubic meters 2,186.4 2,186 Water supply by source	Emissions to water: Heavy metals	metric tons	4.15	4.02
Water used for production million cubic meters 28.6 36 Water used for cooling million cubic meters 2,185.4 2,186.4 Water supply by source Withdrawal of surface water % 76 6 Withdrawal of ground water % 16 2 Withdrawal of drinking water % 8 Waste 8 8 Total amount of waste metric tons 531,614 513,82 Recycling rate (including thermal recovery) % 20 2 Disposal of waste 42 3 Through incineration % 42 3 Landfill % 33 4 Occupational safety 5 5 Lost-time injury rate (BASF employees, leased personnel and contractors) per 200,000 working hours 0.13 0.1 High Severity Work Process Related Injuries (HSI) per 200,000 working hours 0.06 N. Fatalities (total) 0 0 0 0 Process safety incidents (PSIs) per 200,000 working hours	Emissions to water: Phosphorus	metric tons	79	103
Water used for cooling million cubic meters 2,185.4 2,186.8 Water supply by source Withdrawal of surface water % 76 6 Withdrawal of ground water % 16 2 Withdrawal of drinking water % 8 Waste 8 8 Total amount of waste metric tons 531.614 513.80 Recycling rate (including thermal recovery) % 20 2 Disposal of waste 42 3 4 Through incineration % 42 3 Landfill % 33 4 Occupational safety 5 5 Lost-time injury rate (BASF employees, leased personnel and contractors) per 200,000 working hours 0.13 0.1 High Severity Work Process Related Injuries (HSI) per 200,000 working hours 0.06 N. Fatalities (total) 0 0 0 0 Process safety 0.05 0.05 0.05 0.05 0.05	Water supply	million cubic meters	67.3	75.1
Water supply by source 6 Withdrawal of surface water % 76 6 Withdrawal of ground water % 16 2 Withdrawal of drinking water % 8 Waste Total amount of waste metric tons 531,614 513,82 Recycling rate (including thermal recovery) % 20 2 Disposal of waste Through incineration % 42 3 Landfill % 33 4 Other disposal (including underground storage) % 5 Cocupational safety Lost-time injury rate (BASF employees, leased personnel and contractors) per 200,000 working hours 0.13 0.1 High Severity Work Process Related Injuries (HSI) per 200,000 working hours 0.06 N. Fatalities (total) 0 0 Process safety 0.58 0.58	Water used for production	million cubic meters	28.6	36.1
Withdrawal of Surface water % 76 6 Withdrawal of ground water % 16 2 Withdrawal of drinking water % 8 Waste Total amount of waste metric tons \$31,614 \$13,82 Recycling rate (including thermal recovery) % 20 2 Disposal of waste Through incineration % 42 3 Landfill % 33	Water used for cooling	million cubic meters	2,185.4	2,186.5
Withdrawal of ground water % 16 2 Withdrawal of drinking water % 8 Waste Total amount of waste metric tons 531,614 513,82 Recycling rate (including thermal recovery) % 20 2 Disposal of waste Through incineration % 42 3 Landfill % 33 4 Other disposal (including underground storage) % 5 Cocupational safety Cocupational safety 0.13 0.14 Last-time injury rate (BASF employees, leased personnel and contractors) per 200,000 working hours 0.13 0.14 Fatalities (total) 0 0 0 0 Process safety per 200,000 working hours 0.58 0.58	Water supply by source			
Withdrawal of drinking water % 8 Waste Cotal amount of waste metric tons 531,614 513,82 Recycling rate (including thermal recovery) % 20 2 Disposal of waste 20 2 2 Through incineration % 42 3 4 Landfill % 33 4 Other disposal (including underground storage) % 5 Occupational safety Last-time injury rate (BASF employees, leased personnel and contractors) per 200,000 working hours 0.13 0.1 High Severity Work Process Related Injuries (HSI) per 200,000 working hours 0.06 N. Fatalities (total) 0 Process safety Per 200,000 working hours 0.58 0.5 Process safety incidents (PSIs) per 200,000 working hours 0.58 0.5	Withdrawal of surface water	%	76	67
Waste Total amount of waste metric tons 531,614 513,82 Recycling rate (including thermal recovery) % 20 2 Disposal of waste Through incineration % 42 33 Landfill % 33 44 Other disposal (including underground storage) % 5 Cocupational safety Lost-time injury rate (BASF employees, leased personnel and contractors) per 200,000 working hours 0.13 0.1 High Severity Work Process Related Injuries (HSI) per 200,000 working hours 0.06 N. Fatalities (total) Process safety Process safety incidents (PSIs) per 200,000 working hours 0.58 0.58	Withdrawal of ground water	%	16	25
Total amount of waste metric tons 531,614 513,82 Recycling rate (including thermal recovery) % 20 2 Disposal of waste ————————————————————————————————————	Withdrawal of drinking water	%	8	8
Recycling rate (including thermal recovery) Disposal of waste Through incineration Key 1 2 3 3 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Waste			
Disposal of waste Through incineration	Total amount of waste	metric tons	531,614	513,825
Through incineration % 42 33 Landfill % 33 44 Other disposal (including underground storage) % 5 Cocupational safety Lost-time injury rate (BASF employees, leased personnel and contractors) per 200,000 working hours 0.13 0.1 High Severity Work Process Related Injuries (HSI) per 200,000 working hours 0.06 N. Fatalities (total) 0 Process safety Process safety incidents (PSIs) per 200,000 working hours 0.58 0.58	Recycling rate (including thermal recovery)	%	20	20
Landfill % 33 24 Other disposal (including underground storage) % 5 Occupational safety Lost-time injury rate (BASF employees, leased personnel and contractors) per 200,000 working hours 0.13 0.1 High Severity Work Process Related Injuries (HSI) per 200,000 working hours 0.06 N. Fatallities (total) 0 Process safety Process safety incidents (PSIs) per 200,000 working hours 0.58 0.58	Disposal of waste			
Other disposal (including underground storage)	Through incineration	%	42	39
Occupational safety Lost-time injury rate (BASF employees, leased personnel and contractors) per 200,000 working hours 0.13 0.1 High Severity Work Process Related Injuries (HSI) per 200,000 working hours 0.06 N. Fatalities (total) 0 Process safety Process safety incidents (PSIs) per 200,000 working hours 0.58 0.5	Landfill	%	33	41
Lost-time injury rate (BASF employees, leased personnel and contractors) Per 200,000 working hours O.13 O.1 High Severity Work Process Related Injuries (HSI) Process safety Process safety Process safety incidents (PSIs) per 200,000 working hours O.6 N. O.7 Process safety Process safety incidents (PSIs) Process safety incidents (PSIs) O.7 O.8 O.8 O.8	Other disposal (including underground storage)	%	5	0
High Severity Work Process Related Injuries (HSI) Fatalities (total) Process safety Process safety incidents (PSIs) per 200,000 working hours 0.06 N. 0 0 0.06	Occupational safety			
Fatalities (total) 0 Process safety Process safety incidents (PSIs) per 200,000 working hours 0.58 0.58	Lost-time injury rate (BASF employees, leased personnel and contractors)	per 200,000 working hours	0.13	0.15
Process safety Process safety incidents (PSIs) per 200,000 working hours 0.58 0.6	High Severity Work Process Related Injuries (HSI)	per 200,000 working hours	0.06	N.A.
Process safety incidents (PSIs) per 200,000 working hours 0.58 0.58	Fatalities (total)		0	0
	Process safety			
High Severity Process Safety Incidents (hsPSI) per 200,000 working hours 0.14 N	Process safety incidents (PSIs)	per 200,000 working hours	0.58	0.59
	High Severity Process Safety Incidents (hsPSI)	per 200,000 working hours	0.14	N.A.

^{*}The comparative figure 2022 has been adjusted to reflect data updates.

Further information

You can find this publication at www.basf.com/us

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June 2024
www.basf.com/us

Verbund site Geismar, Louisiana

		2023	2022
Employees		1,236	1,211
Energy			
Electricity consumption	MWh	768,000	756,553
Steam consumption	metric tons	3,500,921	3,851,100
Fuel consumption	MWh	3,542,554	3,030,436
Emissions			
Greenhouse gas emissions (total): Co ₂ , N2O, CH ₄ , HFC, PFC, SF ₆	metric tons of CO ₂ -equivalents	1,078,624	1,045,792
Emissions of air pollutants (without CH _a): CO, NOx, NMVOC, SOx, dust, NH ₃ /other inorganics	metric tons	2,137	2,073
Water			
Emissions to water: Organic substances (COD)	metric tons	902	903
Emissions to water: Nitrogen	metric tons	204	181
Emissions to water: Heavy metals	metric tons	1.79	1.77
Emissions to water: Phosphorus	metric tons	9.34	10.58
Water supply	million cubic meters	20.76	19.34
Water used for production	million cubic meters	8.78	5.98
Water used for cooling	million cubic meters	658	636
Water supply by source			
Withdrawal of surface water	%	87	81
Withdrawal of ground water	%	13	19
Withdrawal of drinking water	%	0	0
Waste			
Total amount of waste	metric tons	64,410	58,545
Recycling rate (including thermal recovery)	%	60	63
Disposal of waste			
Through incineration	%	4	5
Landfill	%	36	32
Other disposal (including underground storage)	%	0	0
Occupational safety			
Lost-time injury rate (BASF employees, leased personnel and contractors)	per 200,000 working hours	0.07	0.12
High Severity Work Process Related Injuries (HSI)	per 200,000 working hours	0.08	N.A.
Fatalities (total)		0	0
Process safety			
Process safety incidents (PSIs)	per 200,000 working hours	1.08	0.89
High Severity Process Safety Incidents (hsPSI)	per 200,000 working hours	0.22	N.A.

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Published by

BASF Corporation June 2024 www.basf.com/us

Verbund site Freeport, Texas

		2023	2022
Employees		914	911
Energy			
Electricity consumption	MWh	755,710	802,800
Steam consumption	metric tons	3,573,741	3,750,486
Fuel consumption	MWh	2,036,687	1,875,339
Emissions			
Greenhouse gas emissions (total): Co2, N2O, CH ₄ , HFC, PFC, SF ₆	metric tons of CO ₂ -equivalents	858,940	887,331
Emissions of air pollutants (without CH _a): CO, NOx, NMVOC, SOx, dust, NH3/other inorganics	metric tons	1,033	1,083
Water			
Emissions to water: Organic substances (COD)	metric tons	244	242
Emissions to water: Nitrogen	metric tons	10	177
Emissions to water: Heavy metals	metric tons	0.63	0.63
Emissions to water: Phosphorus	metric tons	10.15	10.98
Water supply	million cubic meters	8.47	8.97
Water used for production	million cubic meters	4.09	5.61
Water used for cooling	million cubic meters	476	460
Water supply by source			
Withdrawal of surface water	%	78	76
Withdrawal of ground water	%	17	23
Withdrawal of drinking water	%	5	1
Waste			
Total amount of waste	metric tons	136,333	143,884
Recycling rate (including thermal recovery)	%	21	24
Disposal of waste			
Through incineration	%	45	43
Landfill	%	26	26
Other disposal (including underground storage)	%	8	13
Occupational safety			
Lost-time injury rate (BASF employees, leased personnel and contractors)	per 200,000 working hours	0.00	0.23
High Severity Work Process Related Injuries (HSI)	per 200,000 working hours	0.05	N.A.
Fatalities (total)		0	0
Process safety			
Process safety incidents (PSIs)	per 200,000 working hours	0.53	0.65
High Severity Process Safety Incidents (hsPSI)	per 200,000 working hours	0.10	N.A.
*The comparative figure 2022 has been adjusted to reflect data updates.			

 $^{{}^\}star \text{The comparative figure 2022 has been adjusted to reflect data updates.}$

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Published byBASF Corporation
June 2024

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