

BASF in North America 2021 Facts & Figures

Sales

BASF Group (in million €)

2021	2020
€78,598	€59,149

BASF in North America (in million €)

2021	2020
€20,867	€15,709

Employees and society

	2021	2020
Employees (as of December 31, 2021)		
Employees BASF Group	111,047	110,302
Employees BASF in North America	16,753	16,948
New hires	~2,600	~1,400
Donation and Sponsoring		
Total spend	million \$ 5.1	6.1
Of which Donations	% 92.2	90.5

Focus areas

Innovation

80

Universities that BASF collaborates with on research

Sustainability

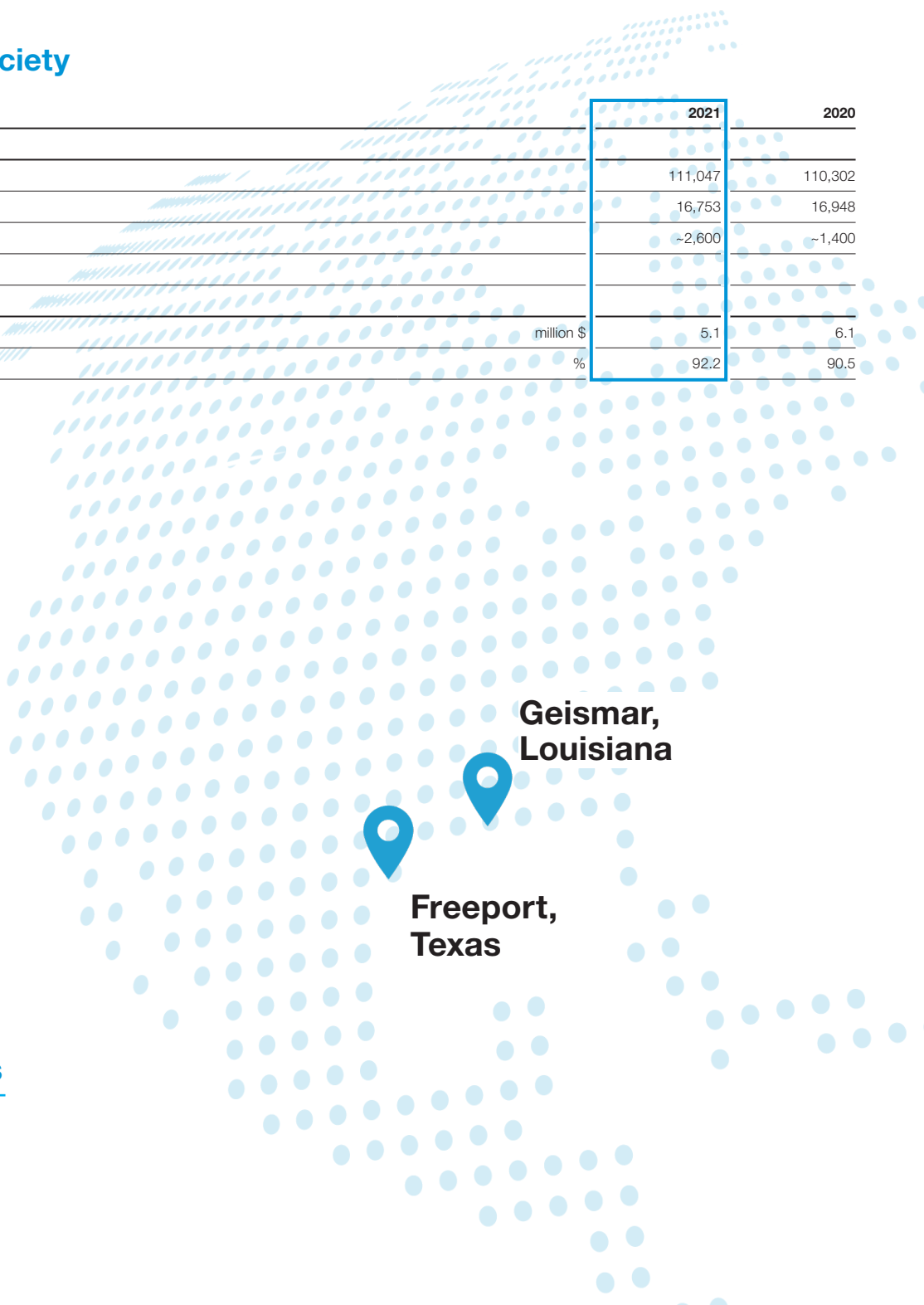
>75%

Import power covered by Renewable Energy Certificates

Human Resources

27%

female representation in North America



Environmental protection, health and safety

BASF in the U.S.

		2021	2020
Energy demand			
Electricity consumption	MWh	3,409,799	3,429,764
Steam consumption	metric tons	17,141,946	14,549,853
Fuel consumption	MWh	7,909,682	10,480,952
Emissions to air			
Greenhouse gas emissions	metric tons of CO ₂ -equivalents	5,201,656	4,987,736
Emissions of air pollutants (without CH ₄): CO, NOx, NMVOC, SOx, dust, NH ₃ /other Inorganic substances)	metric tons	10,277	9,307
Water			
Emissions to water: Organic substances (COD)	metric tons	2,882	2,055
Emissions to water: Nitrogen	metric tons	801	618
Emissions to water: Heavy metals	metric tons	4.5	3
Emissions to water: Phosphorus	metric tons	197,28	136,75
Water supply	million cubic meters	78.5	78
Water used for production	million cubic meters	42.4	41
Water used for cooling	million cubic meters	2,205	2,237
Water supply by source			
Withdrawal of surface water	%	64	61
Withdrawal of ground water	%	27	28
Withdrawal of drinking water	%	9	11
Waste			
Total amount of waste	metric tons	586,103	541,264
Recycling rate (including thermal recovery)	%	19	16
Disposal of waste			
Through incineration	%	44	6
Landfill	%	30	33
Underground storage	%	7	6
Occupational safety			
Lost-time injury rate (BASF employees, leased personnel and contractors)	per 200.000 workings hours	0.17	0.15
Fatalities (total)		1	0
Process safety			
Process safety incidents (PSIs)	per 200.000 working hours	0.60	0.54

Further information

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

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Verbund site Geismar, Louisiana

		2021	2020
Employees			
		1,180	1,202
Energy			
Electricity consumption	MWh	763,000	710,000
Steam consumption	metric tons	3,377,362	3,367,834
Fuel consumption	MWh	3,359,885	3,272,093
Emissions			
Greenhouse gas emissions	metric tons of CO ₂ -equivalents	998,932	842,233
Emissions of air pollutants (without CH ₄): CO, NO _x , NMVOC, SO _x , dust, NH ₃ /other Inorganic substances)	metric tons	2,102	1,933
Water			
Emissions to water: Organic substances (COD)	metric tons	798	879
Emissions to water: Nitrogen	metric tons	310	273
Emissions to water: Heavy metals	metric tons	1.84	1.6
Emissions to water: Phosphorus	metric tons	12.56	11.29
Water supply	million cubic meters	20.18	20
Water used for production	million cubic meters	6.81	4
Water used for cooling	million cubic meters	636	628
Water supply by source			
Withdrawal of surface water	%	80	85
Withdrawal of ground water	%	20	15
Withdrawal of drinking water	%	0	0
Waste			
Total amount of waste	metric tons	63,738	58,845
Recycling rate (including thermal recovery)	%	59	45
Disposal of waste			
Through incineration	%	4.5	5
Landfill	%	36	40
Underground storage	%	0	0
Occupational safety			
Lost-time injury rate (BASF employees, leased personnel and contractors)	per 200.000 workings hours	0.07	0.18
Fatalities (total)		1	0
Process safety			
Process safety incidents (PSIs)	per 200.000 working hours	0.94	1.41

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Verbund site Freeport, Texas

		2021	2020
Employees		887	908
Energy demand			
Electricity consumption	MWh	828,920	791,780
Steam consumption	metric tons	3,764,603	3,990,806
Fuel consumption	MWh	1,877,984	2,009,176
Emissions to air			
Greenhouse gas emissions	metric tons of CO ₂ -equivalents	837,957	947,801
Emissions of air pollutants (without CH ₄): CO, NO _x , NMVOC, SO _x , dust, NH ₃ /other Inorganic substances)	metric tons	1,128	961
Water			
Emissions to water: Organic substances (COD)	metric tons	430	293
Emissions to water: Nitrogen	metric tons	145	93
Emissions to water: Heavy metals	metric tons	0.72	0.4
Emissions: Phosphorus	metric tons	17.33	6.26
Water supply	million cubic meters	8.87	10
Water used for production	million cubic meters	4.9	4
Water used for cooling	million cubic meters	460	460
Water supply by source			
Withdrawal of surface water	%	95	99
Withdrawal of ground water	%	5	0
Withdrawal of drinking water	%	0	1
Waste			
Total amount of waste	metric tons	159,834	135,094
Recycling rate (including thermal recovery)	%	22	20
Disposal of waste			
Through incineration	%	43	48
Landfill	%	23	21
Underground storage	%	13	21
Occupational safety			
Lost-time injury rate (BASF employees, leased personnel and contractors)	per 200.000 workings hours	0.22	0.09
Fatalities (total)		0	0
Process safety			
Process safety incidents (PSIs)	per 200.000 working hours	0.87	0.83

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