

Sovereign Climate Scores

Country/Region of Risk **Australia**
Peers **G10**

Summary
Scores
CO2 Emissions

Overall Score 4.72/10 Period **Q3 2022**

Carbon Transition (Score: 5.87)*
AU is lagging among peers, with peer median 7.79

Country	Score
IT	7.5
GB	7.5
BE	7.5
DE	7.0
NL	7.0
CA	7.0
US	6.5
AU	5.87
JP	5.5

CO2 Emissions Outlook (MtCO2)
Australia unconditional 2030 NDC target is 220 MtCO2. To keep below the 1.5° C temperature limit, NGFS Net Zero 2050 scenarios suggest Australia needs to reach 265 MtCO2 by 2030, equivalent to a 29.62% reduction from 2020. Australia has been cutting emissions at a rate of 0.57% per year.**

Legend: Actual CO2, Current CO2 Trend, CO2 NGFS NZ50, NDC

Power Sector Transition (Score: 4.58)*
AU is lagging among peers, with peer median 7.16

Country	Score
CA	7.0
DE	7.0
NL	7.0
GB	7.0
BE	7.0
IT	7.0
US	6.5
JP	5.0
AU	4.58

% Renewable Energy
By 2040, the share of renewable energy in electricity generation must increase to at least 75%, driving the need to phase out fossil-fueled power generation between 2020-2040. BNEF Research indicates Australia derived 23.95% of their electricity from renewable sources in 2020, up from 15.03% 5 years ago.

Climate Policy (Score: 3.81)*
AU is lagging among peers, with peer median 4.34

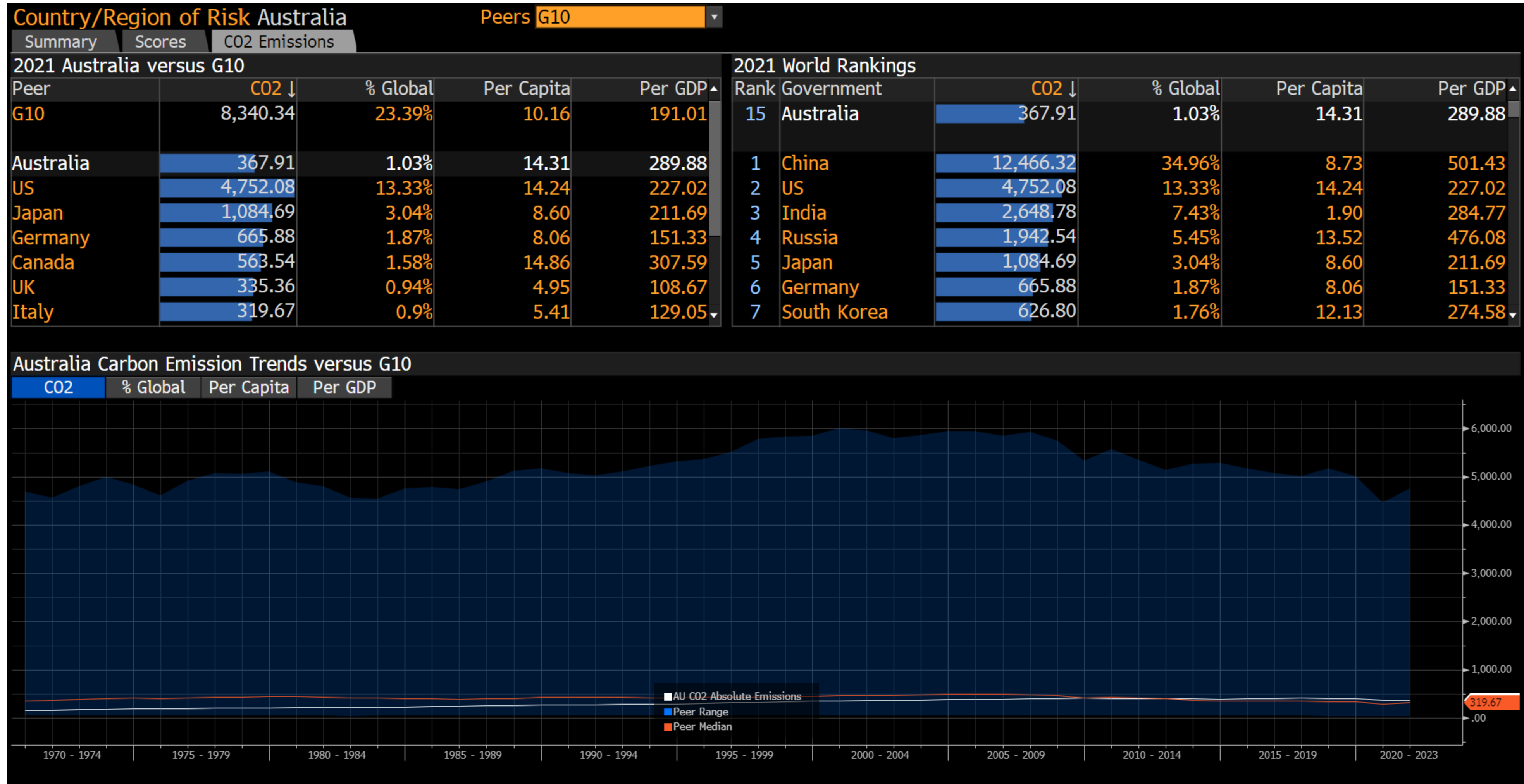
Country	Score
GB	5.0
NL	4.5
BE	4.5
DE	4.5
IT	4.5
CA	4.5
AU	3.81
JP	3.5
US	3.0

Power Sector Policy Score*
To achieve climate targets, countries must introduce decarbonization policies. BNEF Research indicates Australia has weaker power transition policies than its peers. Details in scores tab under BNEF's Power Climatescope issue.

Country	Score
CA	2.0
NL	2.0
IT	2.0
DE	1.75
US	1.75
BE	1.75
AU	1.5
JP	1.5
GB	1.5

*Median includes all peers in the peer group

Global Emissions



Global Investors

Sweden's Central Bank Ditched Bond Issues Issued by Major Polluters

Bloomberg: Sweden's central bank will no longer hold bonds issues by local authorities in Australia and Canada and with High carbon dioxide emissions after yielding to critics who say it's not doing enough to tackle climate change.

(Extract)

Corporate Reporting: Becoming Big Data!

SHELL NA Equity [Copy Search Link](#) ESG Data Discovery

All | BBG Scores | MSCI | Counts (BQL)

Narrow the results by adding search criteria or asking a question.

Hide Filters <<

- ESG Pillar
 - Environmental 2k
 - Social 1.2k
 - Governance 921
 - ESG Overall 102
- ESG Theme
 - Climate Change 652
 - Natural Capital 428
 - Compensation 415
 - Human Capital 360
 - Energy 329
- ESG Issue
 - GHG Emissions ... 504
 - Pay Performance 338
 - Energy Manage... 205
 - Ethics & Compli... 193
 - Climate Exposure 136
- Framework
 - SFDR 218
 - EET-European ES... 179
 - TCFD 150
 - BBG Gender-Equ... 89
 - SDGs 84
 - EU Taxonomy 80
- Source
 - Bloombera LP 2.8k

Field ID	Description	Freq	Field Value
1) SR002	BESG Environmental Pillar Score	Monthly	7.08
2) SR003	BESG Social Pillar Score	Monthly	3.99
3) SR004	BESG Governance Pillar Score	Quarterly	8.07
4) X6504	MSCI ESG Rating	Weekly	AA
5) RX317	ESG Disclosure Score	Monthly	66.31
6) X7278	SA ESG Risk Score	Monthly	37.65
7) X6495	S&P Global ESG Rank	Quarterly	82.000000
8) RX376	Governance Disclosure Score	Quarterly	91.24
9) RX375	Social Disclosure Score	Monthly	50.91
10) RX374	Environmental Disclosure Score	Monthly	56.69
11) X5876	ISS QualityScore	Monthly	2.000000
12) ES005	GHG Scope 1 & 2 Location-Based	Yearly	69,000.000
13) ES063	Pct Independent Directors	Yearly	83.333
14) ES096	% Women on Board	Yearly	50.000
15) ES076	GHG Scope 1	Yearly	60,000.000
16) F0950	Total GHG CO2 Emissions Intensity per Sales Score	Yearly	263.86
17) ES077	GHG Scope 2	Yearly	6
18) ES078	GHG Scope 3	Yearly	33.000
19) ES079	GHG Scope 1 & 2 Estimate Waterfall	Yearly	9,000.000
20) ES080	GHG Scope 1 & 2 Estimate Waterfall	Weekly	59968.099
21) ES081	GHG Scope 1 & 2 Estimate Waterfall	Weekly	9664.111
22) ES082	GHG Scope 1 & 2 Estimate Waterfall	Weekly	1057983.904
23) ES083	GHG Scope 1 & 2 Estimate Waterfall	Weekly	68000.000
24) ES084	GHG Scope 1 & 2 Estimate Waterfall	Weekly	1396890.000
25) ES085	GHG Emissions Data Type	Weekly	Reported
26) ES086	GHG Emissions Data Type	Weekly	60000.000
27) ES087	GHG Emissions Data Type	Weekly	8000.000
28) ES088	GHG Emissions Data Type	Weekly	8000.000
29) ES089	GHG Emissions Data Type	Weekly	8000.000
30) ES090	GHG Emissions Data Type	Weekly	8000.000
31) ES091	GHG Emissions Data Type	Weekly	8000.000
32) ES092	GHG Emissions Data Type	Weekly	8000.000
33) ES093	GHG Emissions Data Type	Weekly	8000.000
34) ES094	GHG Emissions Data Type	Weekly	8000.000
35) ES095	GHG Emissions Data Type	Weekly	8000.000
36) ES096	GHG Emissions Data Type	Weekly	8000.000
37) ES097	GHG Emissions Data Type	Weekly	8000.000
38) ES098	GHG Emissions Data Type	Weekly	8000.000
39) ES099	GHG Emissions Data Type	Weekly	8000.000
40) ES100	GHG Emissions Data Type	Weekly	8000.000

“Approximately 4.2k Results”

Approximately 4.2k Results

ESG Scoring: Simplifying the Big Data

Financial Materiality Scores | ESG SCORE »

	Score	2Y Change	Vs Peers
Environmental	7.08	+0.89	Leading
Social	3.99	+0.68	Below Median
Governance	8.07	-0.29	Leading

Overview | ESG Scores | Emissions | EU Taxonomy | SFDR | TCFD

Inputs **FY 2021** | Peers Integrated Oils | CCB BECS »

Materiality Framework

Metric	Score Level	Weight	Score	Upper Target	Vs Peers
Shell PLC's Environmental Score of 7.08 is Leading among its peers.					
Environmental	Pillar	100.00%	7.08		Leading
▶ Climate Exposure	Issue	25.18%	9.64	10.00	Leading
▶ GHG Emissions Management	Issue	25.18%	9.27	10.00	Leading
▶ Water Management	Issue	13.54%	6.43	8.72	Leading
▶ Energy Management	Issue	10.88%	4.15	9.01	Below Median
▶ Ecological Impact	Issue	9.26%	3.04	7.23	Below Median
▶ Ecosystem Protection	Sub-issue		3.71		
▶ Sites in Environmentally Sensitive Areas	Field		1.50		
Number Sites Environmentally Sensitiv...	Input Data		14.00		
▶ Biodiversity Policy	Field		10.00		
Biodiversity Policy	Input Data		Y		
▶ Environmental Quality Mgmt Policy	Field		10.00		
Environmental Quality Management Po...	Input Data		Y		
▶ Arctic Drilling Oil and Gas	Field		0.00		
Arctic Drilling Oil and Gas	Input Data		Y		
▶ Disclosure Factor Only Fields	Field		0.00		
Percentage of Hazardous Liquid Pipelin...	Input Data		--		
Percentage of Natural Gas Pipelines In...	Input Data		--		
▶ Environmental Fines	Sub-issue		--		
▶ Environmental Incidents	Sub-issue		3.30		
▶ Air Quality	Issue	8.28%	7.48	8.42	Above Median
▶ Waste Management	Issue	7.69%	3.92	7.95	Below Median
Shell PLC's Social Score of 3.99 is Below Median among its peers.					
Social	Pillar	100.00%	3.99		Below Median
▶ Occupational Health & Safety Management	Issue	31.01%	7.15	9.32	Above Median
▶ Labor & Employment Practices	Issue	22.09%	0.00	3.00	Lagging
▶ Operational Risk Management	Issue	22.09%	7.18	10.00	Above Median

Taxonomy: Defining Sustainable Activities

[HOLCIM LTD Equity](#) | [CCB](#) | [Related Functions Menu](#)

[HOLN SW Equity](#) | [Get Link](#) | [Export](#) | [Settings](#)

Classification [BICS](#) | Currency [AUD](#)

Hierarchy	Rev	% Rev
▼ Materials		
▼ Materials		
▼ Construction Materials		
▼ *Cement & Aggregates		
Aggregates	4.33B	11.08
Cement	22.06B	56.48
Ready Mix Concrete	12.67B	32.44

EU Taxo Insights

Fails the EU Taxonomy Mitigation Test

Carbon Intensity per tonne of cement is 0.55t CO2e/t, which is higher than the EU ETS benchmark of 0.4691 tCO2e/t cement production

11/14/2022

	Value	Count
Price/Earnings	866.11B	487
Total Revenue	12.63	467
Industry Revenue	1.31T	709
Industry Rev. 1YR Growth	667.19B	522
	10.74%	522

Green, Social & Sustainability Linked Bonds



Sustainability Linked Bonds

25) Bond Description	26) Issuer Description			
Pages	Issuer Information		Identifiers	
11) Bond Info	Name	HOLCIM FINANCE LUX SA	FIGI	BBG00Y709383
12) Addtl Info	Industry	Building Materials (BCLASS)	ISIN	XS2261215011
13) Reg/Tax	Security Information		ID Number	BM6017461
14) Covenants	Mkt Iss	EURO-ZONE	Bond Ratings	
15) Guarantors	Ctry/Reg	LU	Moody's	Baa1
16) Bond Ratings	Rank	Sr Unsecured	S&P	BBB+
17) Identifiers	Series		Fitch	BBBu
18) Exchanges	Coupon	0.500000	Type	Fixed
19) Inv Parties	Cpn Freq	Annual	Iss Price	99.43500
20) Fees, Restrict	Day Cnt	ACT/ACT	Reoffer	99.435
21) Schedules	Maturity	04/23/2031	MAKE WHOLE @20.000 until 01/23/31/ CALL 01/...	
22) Coupons	Iss Sprd	+77.00bp vs MIDSWAPS	Amt Issued/Outstanding	
23) Impact	Calc Type	(1)STREET CONVENTION	EUR	850,000.00 (M) /
Quick Links	Pricing Date	11/17/2020	EUR	850,000.00 (M)
32) ALLQ Pricing	Interest Accrual Date	11/23/2020	Min Piece/Increment	
33) QRD Qt Recap	1st Settle Date	11/23/2020	100,000.00 / 1,000.00	
34) TDH Trade Hist	1st Coupon Date	04/23/2021	Par Amount	1,000.00
35) CACS Corp Action	STEP-UP MARGIN: 75BP, STEP-UP EVENT: NET CO2 IN KG/TON CEMENTITIOUS MATERIAL <= 475, 17.5% REDUCTION BY END 2030 (2018 BASELINE).		Book Runner	JOINT LEADS
36) CF Prospectus			Exchange	MUNICH
37) CN Sec News				
38) HDS Holders				
66) Send Bond				

Greenium set to Grow?

