



Project Drawdown Solutions to Carbon Reduction

About Project Drawdown

www.drawdown.org

‘Project Drawdown is the most comprehensive plan ever proposed to reverse global warming. We did not make or devise the plan—the plan exists and is being implemented worldwide. It has been difficult to envision this possibility because the focus is overwhelmingly on the impacts of climate change. We gathered a qualified and diverse group of researchers from around the world to identify, research, and model the 100 most substantive, existing solutions to address climate change. What was uncovered is a path forward that can roll back global greenhouse gas emissions within thirty years. The research revealed that humanity has the means and techniques at hand. Nothing new needs to be invented, yet many more solutions are coming due to purposeful human ingenuity. The solutions we modelled are in place and in action. Humanity’s task is to accelerate the knowledge and growth of what is possible as soon as possible.’

To see detailed information follow the links supplied for each solution:

Rank	Solution	Sector
1	Refrigerant Management	Materials
2	Wind Turbines (Onshore)	Electricity Generation
3	Reduced Food Waste	Food
4	Plant-Rich Diet	Food
5	Tropical Forests	Land Use
6	Educating Girls	Women and Girls
7	Family Planning	Women and Girls
8	Solar Farms	Electricity Generation
9	Silvopasture	Food
10	Rooftop Solar	Electricity Generation
11	Regenerative Agriculture	Food
12	Temperate Forests	Land Use
14	Tropical Staple Trees	Food
15	Afforestation	Land Use
16	Conservation Agriculture	Food
17	Tree Intercropping	Food
18	Geothermal	Electricity Generation
19	Managed Grazing	Food

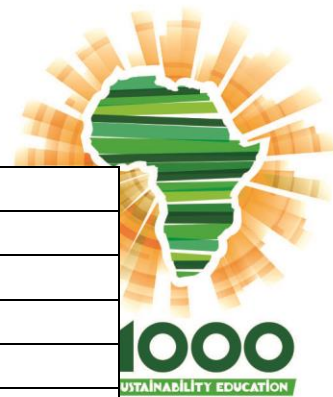


20	Nuclear	Electricity Generation
21	Clean Cookstoves	Food
22	Wind Turbines (Offshore)	Electricity Generation
23	Farmland Restoration	Food
24	Improved Rice Cultivation	Food
25	Concentrated Solar	Electricity Generation
26	Electric Vehicles	Transport
27	District Heating	Buildings and Cities
28	Multistrata Agroforestry	Food
29	Wave and Tidal	Electricity Generation
30	Methane Digesters (Large)	Electricity Generation
31	Insulation	Buildings and Cities
32	Ships	Transport
33	LED Lighting (Household)	Buildings and Cities
34	Biomass	Electricity Generation
35	Bamboo	Land Use
36	Alternative Cement	Materials
37	Mass Transit	Transport
38	Forest Protection	Land Use
39	Indigenous Peoples' Land Management	Land Use
40	Trucks	Transport
41	Solar Water	Electricity Generation
42	Heat Pumps	Buildings and Cities
43	Airplanes	Transport
44	LED Lighting (Commercial)	Buildings and Cities
45	Building Automation	Buildings and Cities
46	Water Saving - Home	Materials
47	Bioplastic	Materials
48	In-Stream Hydro	Electricity Generation
49	Cars	Transport
50	Cogeneration	Electricity Generation
51	Perennial Biomass	Land Use
52	Coastal Wetlands	Land Use
53	System of Rice Intensification	Food
54	Walkable Cities	Buildings and Cities

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55	Household Recycling	Materials
56	Industrial Recycling	Materials
57	Smart Thermostats	Buildings and Cities
58	Landfill Methane	Buildings and Cities
59	Bike Infrastructure	Buildings and Cities
60	Composting	Food
61	Smart Glass	Buildings and Cities
62	Women Smallholders	Women and Girls
63	Telepresence	Transport
64	Methane Digesters (Small)	Electricity Generation
65	Nutrient Management	Food
66	High-speed Rail	Transport
67	Farmland Irrigation	Food
68	Waste-to-Energy	Electricity Generation
69	Electric Bikes	Transport
70	Recycled Paper	Materials
71	Water Distribution	Buildings and Cities
72	Biochar	Food
73	Green Roofs	Buildings and Cities
74	Trains	Transport
75	Ridesharing	Transport
76	Micro Wind	Electricity Generation
77	Energy Storage (Distributed)	Electricity Generation
77	Energy Storage (Utilities)	Electricity Generation
77	Grid Flexibility	Electricity Generation
78	Microgrids	Electricity Generation
79	Net Zero Buildings	Buildings and Cities
80	Retrofitting	Buildings and Cities