

# Drawdown Solutions by Sector

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## SOURCES

### Electricity

Biomass Power  
Building Automation Systems  
Building Retrofitting  
Concentrated Solar Power  
Distributed Energy Storage  
Distributed Solar Photovoltaics  
District Heating  
Dynamic Glass  
Geothermal Power  
Green and Cool Roofs  
Grid Flexibility  
High-Efficiency Heat Pumps  
High-Performance Glass  
Insulation  
Landfill Methane Capture  
LED Lighting

Low-Flow Fixtures  
Methane Digesters  
Micro Wind Turbines  
Microgrids  
Net-Zero Buildings  
Nuclear Power  
Ocean Power  
Offshore Wind Turbines  
Onshore Wind Turbines  
Small Hydropower  
Smart Thermostats  
Solar Hot Water  
Utility-Scale Energy Storage  
Utility-Scale Solar Photovoltaics  
Waste-to-Energy  
Water Distribution Efficiency

### Food, Agriculture, and Land Use

Coastal Wetland Protection  
Conservation Agriculture  
Farm Irrigation Efficiency  
Forest Protection  
Grassland Protection  
Improved Rice Production  
Indigenous Peoples' Forest Tenure

Nutrient Management  
Peatland Protection and Rewetting  
Plant-Rich Diets  
Reduced Food Waste  
Regenerative Annual Cropping  
Sustainable Intensification for Smallholders  
System of Rice Intensification

### Industry

Alternative Cement  
Alternative Refrigerants  
Bioplastics  
Composting  
Landfill Methane Capture

Methane Digesters  
Recycled Paper  
Recycling  
Refrigerant Management  
Waste-to-Energy

### Transportation

Bicycle Infrastructure  
Carpooling  
Efficient Aviation

Efficient Ocean Shipping  
Efficient Trucks  
Electric Bicycles

Electric Cars  
Electric Trains  
High-Speed Rail  
Hybrid Cars

Public Transit  
Telepresence  
Walkable Cities

## Buildings

Alternative Refrigerants  
Biogas for Cooking  
Building Automation Systems  
Building Retrofitting  
District Heating  
Dynamic Glass  
Green and Cool Roofs  
High-Efficiency Heat Pumps

High-Performance Glass  
Improved Clean Cookstoves  
Insulation  
Low-Flow Fixtures  
Net-Zero Buildings  
Refrigerant Management  
Smart Thermostats  
Solar Hot Water

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## SINKS

### Land Sinks

Abandoned Farmland Restoration  
Bamboo Production  
Conservation Agriculture  
Forest Protection  
Grassland Protection  
Improved Rice Production  
Indigenous Peoples' Forest Tenure  
Managed Grazing  
Multistrata Agroforestry  
Peatland Protection and Rewetting  
Perennial Biomass Production

Perennial Staple Crops  
Plant-Rich Diets  
Reduced Food Waste  
Regenerative Annual Cropping  
Silvopasture  
Sustainable Intensification for Smallholders  
System of Rice Intensification  
Temperate Forest Restoration  
Tree Intercropping  
Tree Plantations (on Degraded Land)  
Tropical Forest Restoration

### Coastal and Ocean Sinks

Coastal Wetland Protection

Coastal Wetland Restoration

### Engineered Sinks

Biochar Production

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## SOCIETY

### Health and Education

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NB: some solutions are listed twice because their carbon reduction potential is split between their current role as sources, and potential future role as sinks

## Drawdown Solutions by Name

Abandoned Farmland Restoration	Hybrid Cars
Alternative Cement	Improved Clean Cookstoves
Alternative Refrigerants	Improved Rice Production
Bamboo Production	Indigenous Peoples' Forest Tenure
Bicycle Infrastructure	
Biochar Production	Insulation
Biogas for Cooking	Landfill Methane Capture
Biomass Power	LED Lighting
Bioplastics	Low-Flow Fixtures
Building Automation Systems	Managed Grazing
Building Retrofitting	Methane Digesters
Carpooling	Micro Wind Turbines
Coastal Wetland Protection	Microgrids
Coastal Wetland Restoration	Multistrata Agroforestry
Composting	Net-Zero Buildings
Concentrated Solar Power	Nuclear Power
Conservation Agriculture	Nutrient Management
Distributed Energy Storage	Ocean Power
Distributed Solar Photovoltaics	Offshore Wind Turbines
District Heating	Onshore Wind Turbines
Dynamic Glass	Peatland Protection and Rewetting
Efficient Aviation	Perennial Biomass Production
Efficient Ocean Shipping	Perennial Staple Crops
Efficient Trucks	Plant-Rich Diets
Electric Bicycles	Public Transit
Electric Cars	Recycled Paper
Electric Trains	Recycling
Farm Irrigation Efficiency	Reduced Food Waste
Forest Protection	Refrigerant Management
Geothermal Power	Regenerative Annual Cropping
Grassland Protection	Silvopasture
Green and Cool Roofs	Small Hydropower
Grid Flexibility	Smart Thermostats
Health and Education	Solar Hot Water
High-Efficiency Heat Pumps	Sustainable Intensification for Smallholders
High-Performance Glass	System of Rice Intensification
High-Speed Rail	Telepresence

**Temperate Forest Restoration**  
**Tree Intercropping**  
**Tree Plantations (on Degraded Land)**  
**Tropical Forest Restoration**  
**Utility-Scale Energy Storage**  
**Utility-Scale Solar Photovoltaics**  
**Walkable Cities**  
**Waste-to-Energy**  
**Water Distribution Efficiency**