Drawdown Facebook Resources

Breakdown by Drawdown Sector
Buildings and Cities
Bike Infrastructure
Building Automation
District Heating
Green Roofs
Heat Pumps
Insulation
<u>Landfill Methane</u>
LED Lighting (Commercial)
LED Lighting (Household)
Net Zero Buildings
Retrofitting
Smart Glass
Smart Thermostats
Walkable Cities
Water Distribution
Electricity Generation
Biomass
<u>Cogeneration</u>
Concentrated Solar
Energy Storage (Distributed
Energy Storage (Utilities)
Geothermal
Grid Flexibility
In-Stream Hydro
Methane Digesters (Large)
Methane Digesters (Small)
Microgrids
Micro Wind
<u>Nuclear</u>
Rooftop Solar
Solar Farms
Solar Water

Waste-to-Energy

```
Wave and Tidal
   Wind Turbines (Offshore)
   Wind Turbines (Onshore)
Food
   Biochar
   Clean Cookstoves
   Composting
   Conservation Agriculture
   Farmland Irrigation
   Farmland Restoration
   Improved Rice Cultivation
   Managed Grazing
   Multistrata Agroforestry
   Nutrient Management
   Plant-Rich Diet
   Reduced Food Waste
   Regenerative Agriculture
   Silvopasture
   System of Rice Intensification
   Tree Intercropping
   Tropical Staple Trees
Land Use
   Afforestation
   Bamboo
   Coastal Wetlands
   Forest Protection
   Indigenous Peoples' Land Management
   Peatlands
   Perennial Biomass
   Temperate Forests
   Tropical Forests
Materials
   Alternative Cement
   Bioplastic
   Household Recycling
   Industrial Recycling
   Recycled Paper
   Refrigerant Management
   Water Saving-Home
```

Transport

<u>Airplanes</u>

Cars

Electric Bikes

Electric Vehicles

High-speed Rail

Mass Transit

Ridesharing

Ships

Telepresence

Trains

Trucks

Women and Girls

Educating Girls

Family Planning

Women Smallholders

Other Potential Solutions (including Coming Attractions)

Marine Permaculture

Breakdown by Initiative

Research

Modeling and Methodology

Data Gathering and Maintenance

Data Outreach

Education and Learning (Drawdown Learn)

Coalition and Community Building

Web Resources

Index of Other Google Documents

Links to Other Resources

Breakdown by Drawdown Sector

The ranks, greenhouse gas reductions, costs, and savings were taken from https://www.drawdown.org/solutions-summary-by-rank. These numbers are with respect to their projected worldwide effect from 2020 to 2050. For example, for a given land use solution, the greenhouse gas reduction is for the total amount of land projected to be dedicated to that use as averaged over the next 30 years.

Buildings and Cities

Link: https://www.drawdown.org/solutions/buildings-and-cities

Bike Infrastructure

Link: https://www.drawdown.org/solutions/buildings-and-cities/bike-infrastructure

Rank: 59, Total Atmospheric CO2-EQ Reduction (GT): 2.31

Net Cost (Billions US \$): \$-2,026.97, Savings (Billions US \$): \$400.47

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Building Automation

Link: https://www.drawdown.org/solutions/buildings-and-cities/building-automation

Rank: 45, Total Atmospheric CO2-EQ Reduction (GT): 4.62

Net Cost (Billions US \$): \$68.12, Savings (Billions US \$): \$880.55

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

District Heating

Link: https://www.drawdown.org/solutions/buildings-and-cities/district-heating

Rank: 27, Total Atmospheric CO2-EQ Reduction (GT): 9.38

Net Cost (Billions US \$): \$457.10, Savings (Billions US \$): \$3,543.50

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Green Roofs

Link: https://www.drawdown.org/solutions/buildings-and-cities/green-roofs

Rank: 73, Total Atmospheric CO2-EQ Reduction (GT): 0.77

Net Cost (Billions US \$): \$1,393.29, Savings (Billions US \$): \$988.46

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Heat Pumps

Link: https://www.drawdown.org/solutions/buildings-and-cities/heat-pumps

Rank: 42, Total Atmospheric CO2-EQ Reduction (GT): 5.20

Net Cost (Billions US \$): \$118.71, Savings (Billions US \$): \$1,546.66

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Insulation

Link: https://www.drawdown.org/solutions/buildings-and-cities/insulation

Rank: 31, Total Atmospheric CO2-EQ Reduction (GT): 8.27

Net Cost (Billions US \$): \$3,655.92, Savings (Billions US \$): \$2,513.33

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Landfill Methane

Link: https://www.drawdown.org/solutions/buildings-and-cities/landfill-methane

Rank: 58, Total Atmospheric CO2-EQ Reduction (GT): 2.50 Net Cost (Billions US \$): \$-1.82, Savings (Billions US \$): \$67.57

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

LED Lighting (Commercial)

Link: https://www.drawdown.org/solutions/buildings-and-cities/led-lighting-commercial

Rank: 44, Total Atmospheric CO2-EQ Reduction (GT): 5.04

Net Cost (Billions US \$): \$-205.05, Savings (Billions US \$): \$1,089.63

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

LED Lighting (Household)

Link: https://www.drawdown.org/solutions/buildings-and-cities/led-lighting-household

Rank: 33, Total Atmospheric CO2-EQ Reduction (GT): 7.81

Net Cost (Billions US \$): \$323.52, Savings (Billions US \$): \$1,729.54

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Net Zero Buildings

Link: https://www.drawdown.org/solutions/buildings-and-cities/net-zero-buildings

Rank: 79, Total Atmospheric CO2-EQ Reduction (GT): N/A

Net Cost (Billions US \$): N/A, Savings (Billions US \$): N/A

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Retrofitting

Link: https://www.drawdown.org/solutions/buildings-and-cities/retrofitting

Rank: 80, Total Atmospheric CO2-EQ Reduction (GT): N/A Net Cost (Billions US \$): N/A, Savings (Billions US \$): N/A

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Smart Glass

Link: https://www.drawdown.org/solutions/buildings-and-cities/smart-glass

Rank: 61, Total Atmospheric CO2-EQ Reduction (GT): 2.19

Net Cost (Billions US \$): \$932.30, Savings (Billions US \$): \$325.10

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Smart Thermostats

Link: https://www.drawdown.org/solutions/buildings-and-cities/smart-thermostats

Rank: 57, Total Atmospheric CO2-EQ Reduction (GT): 2.62

Net Cost (Billions US \$): \$74.16, Savings (Billions US \$): \$640.10

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Walkable Cities

Link: https://www.drawdown.org/solutions/buildings-and-cities/walkable-cities

Rank: 54, Total Atmospheric CO2-EQ Reduction (GT): 2.92

Net Cost (Billions US \$): N/A, Savings (Billions US \$): \$3,278.24

Description: (not yet supplied)

Links to related Google documents:

Links to other resources:

Water Distribution

Link: https://www.drawdown.org/solutions/buildings-and-cities/water-distribution

Rank: 71, Total Atmospheric CO2-EQ Reduction (GT): 0.87

Net Cost (Billions US \$): \$137.37, Savings (Billions US \$): \$903.11

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Electricity Generation

Link: https://www.drawdown.org/solutions/electricity-generation

Biomass

Link: https://www.drawdown.org/solutions/electricity-generation/biomass

Rank: 34, Total Atmospheric CO2-EQ Reduction (GT): 7.50

Net Cost (Billions US \$): \$402.31, Savings (Billions US \$): \$519.35

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Cogeneration

Link: https://www.drawdown.org/solutions/electricity-generation/cogeneration

Rank: 50, Total Atmospheric CO2-EQ Reduction (GT): 3.97

Net Cost (Billions US \$): \$279.25, Savings (Billions US \$): \$566.93

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Concentrated Solar

Link: https://www.drawdown.org/solutions/electricity-generation/concentrated-solar

Rank: 25, Total Atmospheric CO2-EQ Reduction (GT): 10.90

Net Cost (Billions US \$): \$1,319.70, Savings (Billions US \$): \$413.85

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Energy Storage (Distributed)

Link: https://www.drawdown.org/solutions/electricity-generation/energy-storage-distributed

Rank: 77, Total Atmospheric CO2-EQ Reduction (GT): N/A Net Cost (Billions US \$): N/A, Savings (Billions US \$): N/A

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Energy Storage (Utilities)

Link: https://www.drawdown.org/solutions/electricity-generation/energy-storage-utilities

Rank: 77, Total Atmospheric CO2-EQ Reduction (GT): N/A Net Cost (Billions US \$): N/A, Savings (Billions US \$): N/A

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Geothermal

Link: https://www.drawdown.org/solutions/electricity-generation/geothermal

Rank: 18, Total Atmospheric CO2-EQ Reduction (GT): 16.60

Net Cost (Billions US \$): \$-155.48, Savings (Billions US \$): \$1,024.34

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Grid Flexibility

Link: https://www.drawdown.org/solutions/electricity-generation/grid-flexibility

Rank: 77, Total Atmospheric CO2-EQ Reduction (GT): N/A Net Cost (Billions US \$): N/A, Savings (Billions US \$): N/A

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

In-Stream Hydro

Link: https://www.drawdown.org/solutions/electricity-generation/in-stream-hydro

Rank: 48, Total Atmospheric CO2-EQ Reduction (GT): 4.00

Net Cost (Billions US \$): \$202.53, Savings (Billions US \$): \$568.36

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Methane Digesters (Large)

Link: https://www.drawdown.org/solutions/electricity-generation/methane-digesters-large

Rank: 30, Total Atmospheric CO2-EQ Reduction (GT): 8.40

Net Cost (Billions US \$): \$201.41, Savings (Billions US \$): \$148.83

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Methane Digesters (Small)

Link: https://www.drawdown.org/solutions/electricity-generation/methane-digesters-small

Rank: 64, Total Atmospheric CO2-EQ Reduction (GT): 1.90

Net Cost (Billions US \$): \$15.50, Savings (Billions US \$): \$13.90

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Microgrids

Link: https://www.drawdown.org/solutions/electricity-generation/microgrids

Rank: 78, Total Atmospheric CO2-EQ Reduction (GT): N/A Net Cost (Billions US \$): N/A, Savings (Billions US \$): N/A

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Micro Wind

Link: https://www.drawdown.org/solutions/electricity-generation/micro-wind

Rank: 76, Total Atmospheric CO2-EQ Reduction (GT): 0.20 Net Cost (Billions US \$): \$36.12, Savings (Billions US \$): \$19.90

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Nuclear

Link: https://www.drawdown.org/solutions/electricity-generation/nuclear

Rank: 20, Total Atmospheric CO2-EQ Reduction (GT): 16.09

Net Cost (Billions US \$): \$0.88, Savings (Billions US \$): \$1,713.40

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Rooftop Solar

Link: https://www.drawdown.org/solutions/electricity-generation/rooftop-solar

Rank: 10, Total Atmospheric CO2-EQ Reduction (GT): 24.60

Net Cost (Billions US \$): \$453.14, Savings (Billions US \$): \$3,457.63

Solar Farms

Link: https://www.drawdown.org/solutions/electricity-generation/solar-farms

Rank: 8, Total Atmospheric CO2-EQ Reduction (GT): 36.90

Net Cost (Billions US \$): \$-80.60, Savings (Billions US \$): \$5,023.84

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Solar Water

Link: https://www.drawdown.org/solutions/electricity-generation/solar-water

Rank: 41, Total Atmospheric CO2-EQ Reduction (GT): 6.08

Net Cost (Billions US \$): \$2.99, Savings (Billions US \$): \$773.65

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Waste-to-Energy

Link: https://www.drawdown.org/solutions/electricity-generation/waste-to-energy

Rank: 68, Total Atmospheric CO2-EQ Reduction (GT): 1.10 Net Cost (Billions US \$): \$36.00, Savings (Billions US \$): \$19.82

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Wave and Tidal

Link: https://www.drawdown.org/solutions/electricity-generation/wave-and-tidal

Rank: 29, Total Atmospheric CO2-EQ Reduction (GT): 9.20

Net Cost (Billions US \$): \$411.84, Savings (Billions US \$): \$-1,004.70

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Wind Turbines (Offshore)

Link: https://www.drawdown.org/solutions/electricity-generation/wind-turbines-offshore

Rank: 22, Total Atmospheric CO2-EQ Reduction (GT): 14.10

Net Cost (Billions US \$): \$545.30, Savings (Billions US \$): \$762.50

Wind Turbines (Onshore)

Link: https://www.drawdown.org/solutions/electricity-generation/wind-turbines-onshore

Rank: 2, Total Atmospheric CO2-EQ Reduction (GT): 84.60

Net Cost (Billions US \$): \$1,225.37, Savings (Billions US \$): \$7,425.00

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Food

Link: https://www.drawdown.org/solutions/food

Biochar

Link: https://www.drawdown.org/solutions/food/biochar Rank: 72, Total Atmospheric CO2-EQ Reduction (GT): 0.81 Net Cost (Billions US \$): N/A, Savings (Billions US \$): N/A

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Clean Cookstoves

Link: https://www.drawdown.org/solutions/food/clean-cookstoves Rank: 21, Total Atmospheric CO2-EQ Reduction (GT): 15.81 Net Cost (Billions US \$): \$72.16, Savings (Billions US \$): \$166.28

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Composting

Link: https://www.drawdown.org/solutions/food/composting Rank: 60, Total Atmospheric CO2-EQ Reduction (GT): 2.28

Net Cost (Billions US \$): \$-63.72, Savings (Billions US \$): \$-60.82

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Conservation Agriculture

Link: https://www.drawdown.org/solutions/food/conservation-agriculture

Rank: 16, Total Atmospheric CO2-EQ Reduction (GT): 17.35

Net Cost (Billions US \$): \$37.53, Savings (Billions US \$): \$2,119.07

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Farmland Irrigation

Link: https://www.drawdown.org/solutions/food/farmland-irrigation Rank: 67, Total Atmospheric CO2-EQ Reduction (GT): 1.33

Net Cost (Billions US \$): \$216.16, Savings (Billions US \$): \$429.67

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Farmland Restoration

Link: https://www.drawdown.org/solutions/food/farmland-restoration

Rank: 23, Total Atmospheric CO2-EQ Reduction (GT): 14.08

Net Cost (Billions US \$): \$72.24, Savings (Billions US \$): \$1,342.47

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Improved Rice Cultivation

Link: https://www.drawdown.org/solutions/food/improved-rice-cultivation

Rank: 24, Total Atmospheric CO2-EQ Reduction (GT): 11.34 Net Cost (Billions US \$): N/A, Savings (Billions US \$): \$519.06

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Managed Grazing

Link: https://www.drawdown.org/solutions/food/managed-grazing Rank: 19, Total Atmospheric CO2-EQ Reduction (GT): 16.34 Net Cost (Billions US \$): \$50.48, Savings (Billions US \$): \$735.27

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Multistrata Agroforestry

Link: https://www.drawdown.org/solutions/food/multistrata-agroforestry

Rank: 28, Total Atmospheric CO2-EQ Reduction (GT): 9.28

Net Cost (Billions US \$): \$26.76, Savings (Billions US \$): \$709.75

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Nutrient Management

Link: https://www.drawdown.org/solutions/food/nutrient-management

Rank: 65, Total Atmospheric CO2-EQ Reduction (GT): 1.81 Net Cost (Billions US \$): N/A, Savings (Billions US \$): \$102.32

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Plant-Rich Diet

Link: https://www.drawdown.org/solutions/food/plant-rich-diet Rank: 4, Total Atmospheric CO2-EQ Reduction (GT): 66.11 Net Cost (Billions US \$): N/A, Savings (Billions US \$): N/A

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Reduced Food Waste

Link: https://www.drawdown.org/solutions/food/reduced-food-waste

Rank: 3, Total Atmospheric CO2-EQ Reduction (GT): 70.53 Net Cost (Billions US \$): N/A, Savings (Billions US \$): N/A

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Regenerative Agriculture

Link: https://www.drawdown.org/solutions/food/regenerative-agriculture

Rank: 11, Total Atmospheric CO2-EQ Reduction (GT): 23.15

Net Cost (Billions US \$): \$57.22, Savings (Billions US \$): \$1,928.10

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Silvopasture

Link: https://www.drawdown.org/solutions/food/silvopasture

Rank: 9, Total Atmospheric CO2-EQ Reduction (GT): 31.19

Net Cost (Billions US \$): \$41.59, Savings (Billions US \$): \$699.37

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

System of Rice Intensification

Link: https://www.drawdown.org/solutions/food/system-of-rice-intensification

Rank: 53, Total Atmospheric CO2-EQ Reduction (GT): 3.13 Net Cost (Billions US \$): N/A, Savings (Billions US \$): \$677.83

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Tree Intercropping

Link: https://www.drawdown.org/solutions/food/tree-intercropping Rank: 17, Total Atmospheric CO2-EQ Reduction (GT): 17.20 Net Cost (Billions US \$): \$146.99, Savings (Billions US \$): \$22.10

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Tropical Staple Trees

Link: https://www.drawdown.org/solutions/food/tropical-staple-trees

Rank: 14, Total Atmospheric CO2-EQ Reduction (GT): 20.19

Net Cost (Billions US \$): \$120.07, Savings (Billions US \$): \$626.97

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Land Use

Link: https://www.drawdown.org/solutions/land-use

Afforestation

Link: https://www.drawdown.org/solutions/land-use/afforestation Rank: 15, Total Atmospheric CO2-EQ Reduction (GT): 18.06 Net Cost (Billions US \$): \$29.44, Savings (Billions US \$): \$392.33

Bamboo

Link: https://www.drawdown.org/solutions/land-use/bamboo Rank: 35, Total Atmospheric CO2-EQ Reduction (GT): 7.22

Net Cost (Billions US \$): \$23.79, Savings (Billions US \$): \$264.80

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Coastal Wetlands

Link: https://www.drawdown.org/solutions/land-use/coastal-wetlands

Rank: 52, Total Atmospheric CO2-EQ Reduction (GT): 3.19 Net Cost (Billions US \$): N/A, Savings (Billions US \$): N/A

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Forest Protection

Link: https://www.drawdown.org/solutions/land-use/forest-protection

Rank: 38, Total Atmospheric CO2-EQ Reduction (GT): 6.20 Net Cost (Billions US \$): N/A, Savings (Billions US \$): N/A

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Indigenous Peoples' Land Management

Link: https://www.drawdown.org/solutions/land-use/indigenous-peoples'-land-management

Rank: 39, Total Atmospheric CO2-EQ Reduction (GT): 6.19 Net Cost (Billions US \$): N/A, Savings (Billions US \$): N/A

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Peatlands

Link: https://www.drawdown.org/solutions/land-use/peatlands Rank: 13, Total Atmospheric CO2-EQ Reduction (GT): 21.57 Net Cost (Billions US \$): N/A, Savings (Billions US \$): N/A

Perennial Biomass

Link: https://www.drawdown.org/solutions/land-use/perennial-biomass

Rank: 51, Total Atmospheric CO2-EQ Reduction (GT): 3.33

Net Cost (Billions US \$): \$77.94, Savings (Billions US \$): \$541.89

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Temperate Forests

Link: https://www.drawdown.org/solutions/land-use/temperate-forests

Rank: 12, Total Atmospheric CO2-EQ Reduction (GT): 22.61 Net Cost (Billions US \$): N/A, Savings (Billions US \$): N/A

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Tropical Forests

Link: https://www.drawdown.org/solutions/land-use/tropical-forests

Rank: 5, Total Atmospheric CO2-EQ Reduction (GT): 61.23 Net Cost (Billions US \$): N/A, Savings (Billions US \$): N/A

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Materials

Link: https://www.drawdown.org/solutions/materials

Alternative Cement

Link: https://www.drawdown.org/solutions/materials/alternative-cement

Rank: 36, Total Atmospheric CO2-EQ Reduction (GT): 6.69 Net Cost (Billions US \$): \$-273.90, Savings (Billions US \$): N/A

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Bioplastic

Link: https://www.drawdown.org/solutions/materials/bioplastic

Rank: 47, Total Atmospheric CO2-EQ Reduction (GT): 4.30 Net Cost (Billions US \$): \$19.15, Savings (Billions US \$): N/A

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Household Recycling

Link: https://www.drawdown.org/solutions/materials/household-recycling

Rank: 55, Total Atmospheric CO2-EQ Reduction (GT): 2.77

Net Cost (Billions US \$): \$366.92, Savings (Billions US \$): \$71.13

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Industrial Recycling

Link: https://www.drawdown.org/solutions/materials/industrial-recycling

Rank: 56, Total Atmospheric CO2-EQ Reduction (GT): 2.77

Net Cost (Billions US \$): \$366.92, Savings (Billions US \$): \$71.13

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Recycled Paper

Link: https://www.drawdown.org/solutions/materials/recycled-paper

Rank: 70, Total Atmospheric CO2-EQ Reduction (GT): 0.90 Net Cost (Billions US \$): \$573.48, Savings (Billions US \$): N/A

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Refrigerant Management

Link: https://www.drawdown.org/solutions/materials/refrigerant-management

Rank: 1, Total Atmospheric CO2-EQ Reduction (GT): 89.74 Net Cost (Billions US \$): N/A, Savings (Billions US \$): \$-902.77

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Water Saving-Home

Link: https://www.drawdown.org/solutions/materials/water-saving-home

Rank: 46, Total Atmospheric CO2-EQ Reduction (GT): 4.61

Net Cost (Billions US \$): \$72.44, Savings (Billions US \$): \$1,800.12

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Transport

Link: https://www.drawdown.org/solutions/transport

Airplanes

Link: https://www.drawdown.org/solutions/transport/airplanes Rank: 43, Total Atmospheric CO2-EQ Reduction (GT): 5.05

Net Cost (Billions US \$): \$662.42, Savings (Billions US \$): \$3,187.80

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Cars

Link: https://www.drawdown.org/solutions/transport/cars Rank: 49, Total Atmospheric CO2-EQ Reduction (GT): 4.00

Net Cost (Billions US \$): \$-598.69, Savings (Billions US \$): \$1,761.72

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Electric Bikes

Link: https://www.drawdown.org/solutions/transport/electric-bikes Rank: 69, Total Atmospheric CO2-EQ Reduction (GT): 0.96

Net Cost (Billions US \$): \$106.75, Savings (Billions US \$): \$226.07

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Electric Vehicles

Link: https://www.drawdown.org/solutions/transport/electric-vehicles

Rank: 26, Total Atmospheric CO2-EQ Reduction (GT): 10.80

Net Cost (Billions US \$): \$14,148.00, Savings (Billions US \$): \$9,726.40

High-speed Rail

Link: https://www.drawdown.org/solutions/transport/high-speed-rail

Rank: 66, Total Atmospheric CO2-EQ Reduction (GT): 1.52

Net Cost (Billions US \$): \$1,038.42, Savings (Billions US \$): \$368.10

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Mass Transit

Link: https://www.drawdown.org/solutions/transport/mass-transit Rank: 37, Total Atmospheric CO2-EQ Reduction (GT): 6.57 Net Cost (Billions US \$): N/A, Savings (Billions US \$): \$2,379.73

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Ridesharing

Link: https://www.drawdown.org/solutions/transport/ridesharing Rank: 75, Total Atmospheric CO2-EQ Reduction (GT): 0.32 Net Cost (Billions US \$): N/A, Savings (Billions US \$): \$185.56

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Ships

Link: https://www.drawdown.org/solutions/transport/ships Rank: 32, Total Atmospheric CO2-EQ Reduction (GT): 7.87

Net Cost (Billions US \$): \$915.93, Savings (Billions US \$): \$424.38

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Telepresence

Link: https://www.drawdown.org/solutions/transport/telepresence Rank: 63, Total Atmospheric CO2-EQ Reduction (GT): 1.99

Net Cost (Billions US \$): \$127.72, Savings (Billions US \$): \$1,310.59

Trains

Link: https://www.drawdown.org/solutions/transport/trains Rank: 74, Total Atmospheric CO2-EQ Reduction (GT): 0.52

Net Cost (Billions US \$): \$808.64, Savings (Billions US \$): \$313.86

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Trucks

Link: https://www.drawdown.org/solutions/transport/trucks Rank: 40, Total Atmospheric CO2-EQ Reduction (GT): 6.18

Net Cost (Billions US \$): \$543.54, Savings (Billions US \$): \$2,781.63

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Women and Girls

Link: https://www.drawdown.org/solutions/women-and-girls

Educating Girls

Link: https://www.drawdown.org/solutions/women-and-girls/educating-girls

Rank: 6, Total Atmospheric CO2-EQ Reduction (GT): 51.48 Net Cost (Billions US \$): N/A, Savings (Billions US \$): N/A

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Family Planning

Link: https://www.drawdown.org/solutions/women-and-girls/family-planning

Rank: 7, Total Atmospheric CO2-EQ Reduction (GT): 51.48 Net Cost (Billions US \$): N/A, Savings (Billions US \$): N/A

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Women Smallholders

Link: https://www.drawdown.org/solutions/women-and-girls/women-smallholders

Rank: 62, Total Atmospheric CO2-EQ Reduction (GT): 2.06 Net Cost (Billions US \$): N/A, Savings (Billions US \$): \$87.60

Description: (not yet supplied)
Links to related Google documents:

Links to other resources:

Other Potential Solutions (including Coming Attractions)

Marine Permaculture

Breakdown by Initiative

Research

Modeling and Methodology

Data Gathering and Maintenance

Data Visualization and Outreach

Education and Learning (Drawdown Learn)

Links to resources:

Drawdown Learn Facebook Group

Coalition and Community Building

Web Resource Development

Index of Other Google Documents

Links to Other Resources