

In the 1970s, the governments of the world faced unprecedented demand for energy, and pollutive power plants were built everywhere in order to meet that demand. Year after year, the pollution they generate increases, and nobody has done anything to reduce it. Now, the impact of this pollution has become too great, and humanity is starting to realize that we must meet our energy demands through clean sources of energy. Companies with expertise in clean, sustainable energy are called in to propose projects that will provide the required energy without polluting the environment. Regional governments are eager to fund these projects, and to invest in their implementation.

In the game CO₂, each player manages an energy company responding to government requests for new, green power plants. The goal is to stop the increase of pollution, while meeting the rising demand for sustainable energy — and of course profiting from doing so. You will need enough expertise, money, and resources to build these clean power plants. Energy summits will promote global awareness, and allow companies to share a little of their expertise, while learning still more from others.

Remember, if the pollution isn't stopped, it's game over for all of us.

Game components

1 main board

100 wooden discs, 20 of each player color

20 wooden pawns, 4 of each player color

25 white tech resource cubes

40 CEPs: big, purple wooden discs

1 CEP Market Price marker: big, red wooden disc

1 Global CO₂ Pollution Level marker

1 Decade counter

1 Round counter

- 30 two-sided project tiles 5 Forestation power plant tiles 5 Biomass power plant tiles 5 Solar power plant tiles 5 Recycling power plant tiles 5 Cold fusion power plant tiles 10 Coal power plant tiles 10 Oil power plant tiles 10 Natural Gas power plant tiles 8 Regional Agenda tiles
- 18 Summit tiles

26 Lobby cards 13 UN Goal cards 7 Company Goal cards 6 Event cards 20 coins of \$1 15 coins of \$2 10 coins of \$5 5 coins of \$10 1 starting player tile

Setup

Place the gameboard on the table. Each player chooses a color and takes:

- 1. All the discs of that color.
- 2. 1 scientist pawn of that color. Put the other 3 scientists in the recruitment pool 1.
- 3. From Start Player clockwise to 5th player: 3, 4, 4, 5, 5 coins
- 4. 2 Carbon Emission Permits (CEPs)

Choose the starting player randomly; give him the 'Start Player tile' 2.

Each player places 1 color disc on the "0" number of the scoring track 3. Player color discs will be also used to mark ownership of green power plants 4 and Expertise 5 in each energy source.

Decade & Round track

Place the Decade counter on the Decade track 6 and the Round counter on the Round track 7 on the space indicating the number of players for the game (assign each of the above tasks to the player sitting next to it. He will be responsible for managing it during the game).

Technological Resource cubes

Place the white tech resource cubes on the board **8**.

Money

Make a bank outside the board, and choose a player to manage it 9. Money is open to all during the game. If you ever want to know how much money another player has, you just have to ask.

Projects

Separate the projects by type (energy source symbol) and place them near the board (10).

Green Power Plants

Separate the Green Power Plants by type, then organize each type by tech resource cost, (tiles with a lower resource numbers go on top), and place them near the board (4).

World summits

Shuffle all 2-topic Summit tiles. Place them randomly, face-up, in their proper places on the board **11**. Shuffle all the remaining Summit tiles (mix the 2-, 3-, and 4-topic ones together), and make a facedown pile **12**.

Regional Agenda tiles

Distribute the Regional Agenda tiles randomly in their proper places on the board, face-up, one to each region **13**. Remove the remaining tiles from the game.

Fossil Fuel Power Plant tiles

Make a random face-down pile with all the fossil fuel power plant tiles. 14. For each region, take the top tile, and place it face-up on the leftmost space of the region's energy demand spaces 15.

Add up the CO₂ pollution level of all



fossil fuel power plants on the planet (all regions), using the following CO_2 value for each one: Coal = 40 ppm, Oil = 30 ppm, Gas = 20 ppm. Place the Global CO_2 Pollution Level marker (black cylinder) on the corresponding number of the Global CO_2 Pollution track **16**.

Example: In setup, the players end up placing 2 coal power plants, 3 oil power plants, and 1 gas power plant, giving a total of 190 ppm global CO_2 pollution at the start of the game: 80 for coal (2×40) + 90 for oil (3×30) + 20 for gas (1×20). The game will *begin with the Global CO*₂ *Pollution Level marker at the number 190 on the Global CO*₂ *Pollution track.*

Carbon Emission Permits (CEPs)

In each region, place a number of CEPs equal to the empty energy demand spaces 17 : 2 in Africa, 5 in Asia, etc ...). Make an outside bank with the leftovers.

Market

Place a pile of 2 CEPs in the middle of the market, and place the red CEP Market Price marker on the 3 space of the market price scale. This will be the



initial price of the CEPs 18.

Company Goal cards

Depending on the number of players, you need to remove certain Company Goal cards from the game:

1-player game: Remove numbers 27, 30, 32, and 33.

2-player game: Remove numbers 28, 30, and 33.

3-player game: Remove number 30.
Secretly, give one Company Goal card
19 to each player. The spare ones are removed from the game.

UN Goal cards

Make a face-up display near the board with 10 cards (7 in the 2-player game) (20). Remove the others from the game.

Event cards

Shuffle all the Event cards, and create a face-down deck beside the board, near the Event space 21. Reveal 1 Event card face-up on the Event space, then reveal the top card of the deck, such that 2 Event cards are visible.

Lobby cards

Shuffle all the Lobby cards and give 5 to each player 22. Experienced players are advised to use a card drafting system. In that case, choose 1 of the 5 cards and pass the other 4 to the player on your right. Then from the 4 received, take one and pass 3 to the left. Continue doing this until there aren't any cards left to pass and each player has 5 cards in his hand.

You are ready to start playing!

Play the game

A game of CO_2 spans 5 decades (6 in the 5-player game), each one split into the 2 following phases:

- 1. Supply Phase
- 2. Operations Phase

1 Supply Phase

Note: in the first decade, skip this phase, as it was replaced by the setup.

Players must do the following in order:

- 1. Distribute Income;
- 2. Energy Supply;
- 3. Resolve the Event.

1.1 Distribute income

Income is paid only to **players in the 1st and 2nd positions** in each energy source on the Expertise track (see 2.2.1.1 Expertise). In a 2-player game, only 1st place in each energy source receives income.

Players may choose to receive their Income as **money and/or victory points**. The amount of **money / victory points** earned as 'income' is depicted beside the player's disc for each Expertise track. In case of a tie for 1st or 2nd place, all tied players receive the full income.



Example: Orange is the leading expert on biomass energy sources and he is second in recycling. At the side of those two orange discs on their respective Expertise tracks, he sees "4" and "2". So, Orange receives 6 income for the turn. He decides to take the 6 income as 3 coins and 3 victory points.



Example: In solar Expertise, Purple and Blue are tied for first place. Orange, Yellow, and Black are tied for second place. Income is paid to all players.

1.2 Energy Supply

Each decade, any region with any tech resources consumes one; return the resource cube to the general supply.

Fossil Fuel Power Plants are the pollutive energy sources in the game. They are necessary to fulfill energy demand not covered by green power plants. Each type of Fossil Fuel Power Plant produces a different level of CO₂ pollution in the

game. Each time these Fossil Fuel Power Plants come into play during this step of the Supply phase, the global CO_2 pollution level increases **and** a CEP must be paid to the bank.

Players have to determine which Regions need energy: Beginning in any region, and going clockwise around the world, players must see if the energy demand space that matches the current Decade number is empty or is occupied by a green power plant.

If it has a green power plant, or all spaces in a region are totally filled, move on to the next region.

If the space is empty:



- 1. Take the top fossil fuel power plant from the pile and fill that energy space with it; in the example above, a Natural Gas power plant is filling on the second space of South America to meet demand for the 2nd decade.
- 2. Increase the global CO_2 pollution level according to the CO_2 output of the fossil fuel power plant. (Coal = 40 ppm, Oil = 30 ppm, Gas = 20 ppm).
- 3. The player who Controls the Region must pay 1 CEP to the bank from his hand, or from a region he controls (It doesn't have to be this region!); if no one Controls the Region, the CEP is taken from the region's pile. If you don't have a CEP in your hand or in any of your controlled regions, you must buy one from the market. If you have insufficient money to buy a CEP from the market during the Supply phase (and only during this phase), you must exchange VPs for 1 coin each, until (and only until) you have enough to pay; move your disc one step back on the VP track for each coin taken. Negative points are allowed.

1.3 Events

If the global CO₂ pollution level is 350 ppm or higher, a disaster occurs in the region specified by the event card on the event space of the event display.

In order to provide relief and help rebuild the region, any player that is not supplying power to the region (i.e. he doesn't have at least one green power plant built there) must contribute one tech resource to the region. If player doesn't have enough resources to help the region, he immediately loses 2 victory points for the callous neglect of a region struck by an environmental crisis (negative points are allowed).

If the global CO_2 pollution level is in the safe zone (below 350 ppm), nothing happens to the region, but the event is still considered resolved. (Disaster averted!)

After the event is resolved, discard that location card and move the face-up card from the deck to the Event space. Flip the top card of the Event deck face-up on top of the deck.

The tech resources contributed to the region stay in the region. The regional government will ration these technological resources as grants for projects that will build new green power plants in the region. Each time someone builds a green power plant in the region, the regional government will provide one tech resource (if it still has any) to the project for free. That means that if you need two tech resources to build a power plant, the government pays one, and you pay the other.

2 Operations Phase

The Operations phase is split into rounds. The number of rounds each decade depends on the number of players in the game:

| 2 players | 5 rounds |
|-----------|----------|
| 3 players | 4 rounds |
| 4 players | 3 rounds |
| 5 players | 2 rounds |

Count the rounds by moving the pawn on the Round track one step up, until it reaches the last space.

Each round starts with the player in possession of the 'Start Player tile', and proceeds in clockwise order, with each player taking a turn. On your turn **you must take 1 Action**, and you have the option of also performing one or more Free Moves (see 2.2 Free Moves). Finally, you will choose one of your scientists on a project to increase your expertise (See 2.2.1.1 Expertise).

After all the rounds are complete (you just finished the round on the empty space), the Operations Phase is over:

- 1. Advance the Decade marker one space.
- 2. Return the Round marker to the space depicting the number of players in the game.
- 3. Pass the 'Start Player tile' to the left (or use the Auction Variant).
- 4. Begin a new Decade.



Example: The decade marker has been advanced from first to second decade.

2.1 Actions

The available actions are:

- 1. Propose Project
- 2. Install Project
- 3. Construct Power Plant

Projects are needed in order to build green power plants that rely on renewable resources. There are 5 sources of green energy in the game: forestation*, solar, cold fusion, biomass, recycling.

*Forestation is truly an important element in the control and reduction of global CO₂ emissions, and thus was an imperative element to include in this game. In an effort to keep the gameplay and rules terminology streamlined, forestation is being treated as a green energy source.

A project needs to be **proposed**, then **installed** before a power plant can be built with the **construction** action.

2.1.1 Propose Project (

You have your company design a green energy project for a region. In exchange, your company receives a grant from the region. The region takes ownership of the project; it does not belong to any one player.

Choose a project of any energy source (solar in the example on the right), take the corresponding tile from the pool, and place it darkside-up on any empty project



space in any region that requires that source of energy. A region's energy requirements are shown on its Regional Agenda tile.

Proposing a project to a Region will always reward you with a different **grant**, depending on the space chosen. The grant is depicted on the space where the project is placed:



- 1. Money. Take money from the bank equal to the number of Carbon Emissions Permits (CEPs) in the region at that particular moment. If there are no CEPs in the region, you still get 1 coin.
- 2. Technological Resource cubes. Take two from the general supply.

3. Research collaboration. Choose one: a) Move one of your scientists or b) take one of your scientists from the recruitment pool to your hand. Once recruited, the scientist is available to you for the rest of the game.

2.1.2 Install Project

In order to do that, you need

to choose any proposed

project, pay 1 CEP to the

bank, and then flip the

project tile. You receive the

installation benefits shown

on the flipped tile (see the

solar example to the right).

Your company installs the energy network and infrastructure to distribute the power that will be generated by the coming Power Plant, in exchange for some benefits.

Benefit



Installation benefits depend on the project's energy source:

Forestation: 2 CEPs from the Market Solar: 3 tech resource cubes Cold fusion: \$5 and 1 tech resource cube Biomass: \$3, 1 tech resource cube, and 1 CEP from the Market

Recycling: \$5 and 1 CEP from the Market

Installing a project has no monetary costs to your Company, but the process creates pollution, leaving an ecological footprint. As a result, you have to pay 1 CEP to the bank. This CEP fee must be paid before you receive the installation benefits, and can be paid from your hand or from any Region you control.

If you have your own scientist on the project, you may leave it there after installation. If an opponent's scientist is on the project, you must pay him to leave (See 2.2.1 Scientists).

2.1.3 Power Plant Construction

This action allows the realization of any installed project as a new Green Power Plant (matching the project, of course). When built, these power plants **score Victory Points and give Expertise** to the player who built it.



Different power plants (forestation, solar, cold fusion, biomass, recycling) have different costs, and need different amounts of technological resources and levels of Expertise in order to be built.

To build a Green Power Plant:

 The region must have an installed project of the same energy source as the power plant.

- Your Company must have Expertise in that energy source, equal to or higher than the number of tech resources required to build it.
- Your Company **must have** the amount of money and the technology resources (shown on the tile) to pay the construction cost.

To build the plant, perform the following steps:

- 1. Select the top power plant from any pile in the bank; find a region with a matching installed project (same energy source); pay the bank for the power plant. For example, you want to build a Solar power plant in order to realize an installed Solar project. The Solar power plant costs \$10 and 2 technology resources. You must be in the 2nd space or beyond in Solar Expertise. Pay the \$10 and tech resources to the bank.
- 2. Place the power plant tile on the region's leftmost empty energy demand space on the board.
- 3. Mark your ownership by placing a disc of your color on the new power plant.
- 4. You score the amount of points shown in the top-left of the power plant tile. Advance your disc accordingly along the scoring track.
- 5. You also earn 1 Expertise in the energy source of the power plant.
- 6. See if you have taken Control of the Region's Energy supply (see 3 Region control).
- 7. Send any scientist on the project away (see 2.2 Free Moves and 2.2.1 Scientists).
- 8. Lastly, remove the used project tile from the board and return it to the pool (it will be available again).

If all the Region spaces are already filled (without any empty spaces) the newly built power plant **will replace the oldest fossil fuel power plant** in the region. In that case:

- Replace the leftmost fossil fuel power plant with the new green power plant.
- Take 1 CEP from the Market and place it in the Region, respecting the Regional CEP Limit (see below).
- Remove the replaced power plant from the game, and reduce the global CO_2 pollution level a number of steps equal to the pollution level of the replaced power plant. (Coal = 40 ppm, Oil = 30 ppm, Gas = 20 ppm).

Regional CEP Limit: Regions cannot support more CEPs than the number of their Energy Demand Spaces. (Africa can have a maximum of 3 CEPs; Asia, 6; Europe and North America, 5; Oceania and South America are limited to 4). Note: Green Power Plants cannot be replaced. If a region only has green power plants, it is no longer possible to build power plants in that region. Any leftover installed projects in the region remain on the board. You can still propose and install projects that the region no longer needs. The regional government is corrupt enough to pay you anyway.

2.2 Free Moves

Anytime during your turn, you have the option of taking any or all of the following free moves once:

- Move 1 Scientist
- Make 1 visit to the Market
- Play or score 1 card

2.2.1 Scientists

Representing the research of Companies worldwide in green energy sources, scientists work on projects and summits, earning Expertise for their Company. Scientists can be recruited to your company, sent to work on a project, and can travel from project to project around the world, and attend summits.

With a Free Move, you can move one of your Scientists:

- from your hand to any vacant (without a scientist) project in any Region;
- from any project to another vacant project or to your hand;
- from any project to a summit topic about the same energy source as the project.

It's also possible that one of your Scientists gets moved as part of another player's Action, because your opponents may install or construct projects on which your scientists are working. In that case, the active player **must pay you 1 coin** before she can remove your scientist from that project. You take the scientist, and decide between:

- keeping the scientist in your hand and earning 1 Expertise in the energy source of the project;
- **or** sending the scientist to a summit topic about the same energy source as the project.

After sending your scientist away, the active player must immediately utilize the tile. She cannot use any Free Move between sending your scientist away and using the tile.

Example: It's Blue's turn. He wants to install a solar project. That project has a Purple scientist. Before installing it (flipping the tile), Blue returns the scientist to Purple, paying him 1 coin. Purple decides to take the scientist into his hand and immediately gain 1 Expertise in solar energy (note: same as the project). Now, Blue must install the project before he makes any of his remaining Free Moves.

Scientists are recruited from the recruitment pool using the Propose Project action on a space that grants Research collaboration (see Propose Project). Each player is limited to 4 scientists.

2.2.1.1 Expertise 🕸

Expertise is the knowledge and political value of the Companies in each of the green energy sources in the game.

You gain Expertise in an energy source when:

- one of your scientists is working on a project. At the end of your turn, you choose 1 project overseen by one of your scientists, and score 1 Expertise in the same energy source as the project;
- you build a new green power plant. For example, if you build a new Solar power plant, your Expertise in Solar immediately increases 1 step;
- a Summit is completed. At the end of the turn in which that happens, each of your scientist participating in the summit earns your Company 1 Expertise in the energy source matching the 'topic' the scientist is on, and each Company participating in the summit earns 1 extra Expertise in any one of the topics of that summit (see 2.2.1.2 World Summits);
- and when you choose to take a scientist back into your hand because another player installs or constructs a project on which one of your scientists is working (see 2.2.1 Scientists).

Example: It's Orange's turn, he has 1 scientist in a Cold fusion project in Europe. On his turn, he proposes a biomass project in Asia and sends a scientist from his hand to work on the newly proposed project. Because Orange now has scientists working on both projects, at the end of his turn, he may choose to earn 1 Expertise in Biomass or Nuclear cold fusion.

Your Expertise in each type of energy is tracked on the board by a player disc. When you earn your first point in Expertise in a energy source place your disc in the first space.

The benefits of Expertise:

- Income: At the beginning of the Supply Phase, the players in 1st and 2nd place in each energy source, receive money and /or victory points.
- License to Build: In order to build a power plant, you must have enough Expertise in that energy source. The construction icon on the Expertise track indicates the minimum Expertise required to build the lowerlevel plant of this type.



Example: To build the lower-level forestation plant, your forestation Expertise needs to be at or beyond (as the yellow disc) the 3rd space of the track.

- **Region Control:** Expertise are a tie-breaker when determining 'Region Control'.
- **Bonus**: When the Expertise disc reaches a specific space, a bonus is given.

The bonuses are:

- **Energy symbols:** You gain 1 Expertise in the energy source matching the symbol.
- **Resource:** You receive 1 tech resource cube.
- Region CEP: You place a CEP from the market on any region of your choice.
- Expertise symbol: You gain 1 Expertise in any energy source.

Note: It is possible to create combos with these bonuses!

2.2.1.2 World summits 🎮

Companies can send their Scientists to represent their interests at a World Summit, in order to gain Expertise in the Energy sources that are the topics of that summit. The scientists will share their knowledge — knowledge that they have acquired by researching green energy sources — with the world. They will also learn about other energy sources discussed at the summits.

In order to gain Expertise at these summits, interaction with other scientists is crucial in order to establish the types of protocols determined by a World Summit like Kyoto.

A "summit topic" is the climatic theme for discussion at a particular summit. It is represented by the energy source symbol depicted on the tile. When every topic at a summit has a scientist giving a talk on it at the end of any player's turn, all participating players gain Expertise, in turn order, ending with the active player. There is only room for 1 scientist to talk per topic. But, at the same Summit, scientists from different players may speak on different topics.

After scoring, the scientists return to players' hands, and a new summit tile replaces the completed one.

Note: A scientist can only be moved to a summit from a matching project. Once at the summit, the scientist cannot move away until the summit is completed.



Summit location

The Expertise you gain from a summit is as follows:

- Each of your scientists that spoke at the summit earns your company 1 Expertise in the energy source matching the topic that the scientist represented at that summit.
- Additionally, by attending the summit, your company gains 1 extra Expertise in any topic covered at that summit.



Example: A Summit with Forestation, Nuclear Cold Fusion, and Recycling is completed. The Orange player has scientists speaking on 2 topics: Recycling and Nuclear Cold Fusion. The Purple player is speaking on 1 topic: Forestation. The Orange player gains 1 Expertise in Recycling, 1 Expertise in Fusion, and 1 additional Expertise in any one of the 3 summit fields — even the topic on which he wasn't speaking, if he likes. Purple increases his Expertise in Forestation energy by 1, and 1 additional Expertise in any one of the 3 summit topics.

2.2.2 Market

The Red CEP over the numbered circle near the center of the board indicates the current price of the CEPs.

You can buy 1 CEP, taking it from the market pile to your hand, by paying the bank the price indicated. If the market pile runs out, you will see the word "STOP" to remind you that you can no longer sell during your turn, because the market price is changing. Refill the market with 2 CEPs from the bank, and increase the CEP price by 1 (maximum price: 8); otherwise, the price does not increase.

If and only if the market price has not changed yet during your turn, you can sell 1 CEP from your hand (and only from your hand) to the Market. To do this, place a CEP on top of the market pile, and receive money equal to the current price. The CEP price goes down by 1 (minimum price: 1).

You may **never both sell and buy in the same turn**, and you must complete the transaction before anything changes the market price.

Important Note:

Every CEP that enters play is taken from the

market, with the exception of the ones that refill the market when it's empty. Those come from the bank.

Every CEP paid/spent goes to the bank, except when you sell 1 CEP: In this case it is added to the CEP market.

2.2.3 Playing or scoring a Card

During your turn, you may play 1 Lobby card or score 1 UN Goal card.

Lobby cards represent influence of political lobbyists. When played, they provide some abilities to you. During your turn, you may play 1 lobby card from your hand. Then, the card is removed from the game.



Any lobby card can be used one of two ways: The main lobby at the center, and the minor lobby at the bottom. To get the main lobby benefit, you have to take a specific action, which is specified by an icon at the top of the card: propose, install, construct, send scientist to a summit, or take a market action. The minor lobby has no such condition, and may be taken anytime during your turn.

UN Goal cards represent rewards the UN offers to the first company to accomplish them. They are scored from the faceup display, and provide the points indicated on the card. Once you have constructed all the types of green power plants

depicted on a UN card, pay one resource to the bank then take the card using your Free Move, score it, and place it face-down in front of yourself. Extra points are awarded at the end of the game to the player who has the most. Remember: On your turn, you can play a Lobby card, or claim a UN Goal card, but not both!

3 Region Control

Each region has a Regional Agenda tile. These tiles represent the only 3 clean energy sources the Region will accept.



If you provide the region the most **types** of these 3 sources, you control the region. That gives you some advantages (and one responsibility):

- You can take CEPs from regions you control, anytime you need to spend them.
- At the end of the game, you will receive all CEPs from regions you controls (which you will sell).
- You are responsible for the CEPs your regions need during the 'Energy Supply step'.

Whenever you build a new green power plant, check to determine whether you wrest control from the player who currently controls the region (if any). If no one controlled the region, you take control automatically, and place one of your color discs on the Region Control space near the region.

In case both of you provide the same number of different energy sources, control goes to the player with the energy source in the highest position on the Regional Agenda tile, counting from top to bottom, then second position, then third.

If you both have identical types of power plant in the region, compare Expertise. Only compare plant types you have built in the region. Keeping that in mind, region control goes to the player with more Expertise in the top energy source the Region requires. In the case of a tie, compare Expertise in the second energy source; and in the case of a further tie, compare Expertise in the third one. If Expertise is identical in all sources of energy that you have built there, you take Region Control from the player currently controlling the region. If you win, replace the current controller's control token beside the region with your own.

Note: The only projects / power plants that are allowed to be in a region are those on its Regional Agenda tile.





Example 1: Whoever provides the region with more types of energy will control the region.

Orange satisfies more of the region's political agenda by supplying two of the region's desired types of energy source — even though Purple has more total power plants. Orange has control in this region.



Example 2: Both players have the same number of energy types.

Both players have power plants in 2 different types of energy source; the energy source in the highest position on the Regional Agenda tile is the same, so, they check the 2nd-highest energy source on the tile: Fusion. Blue is in control.



Example 3. Both players have identical types of power plant.

There is a tie for region control, because each has only 1 source of energy, and of the same type. Whichever player has more Expertise in fusion takes control. If they have the same amount of Expertise in fusion, the active player takes control.

Game cards

There are 4 kinds of cards in the game.

- 1. Lobby cards
- 2. UN Goal cards
- 3. Event cards
- 4. Company Goal cards

Lobby cards and UN Goal cards are described in 2.2.3 Playing or Scoring a Card.

Company Goal cards represent the companies' goals from the start of the game. One is given secretly to each player during the setup. They will be scored at the end of the game or you can discard yours at any time in exchange for 8 coins. These cards remain

secret at all times, even if they are discarded.

Event cards - These represent regional disasters and the relief effort provided by the players' companies. There are 6 event cards representing the 6 regions in the game. Players not in the region will have to be prepared to send the region aid. Make



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sure you already have either a power plant in the region, or a tech resource to spare; otherwise you will lose 2 points (see 1.3 Events).

CEP movements

The following is a summary of how CEPs move in the game. Please be sure to read it now and refer to it the first few times you play, because the CEP economy is crucial to the game, and getting CEPs to the right places is what makes it work.

About Market

A CEP goes to the market:

a) From your hand when you sell a CEP;b) From the bank when the market is empty and

need to be refilled with two CEPs.

- All CEPs come from the Market.

About Players

1. You take a CEP to your hand:

a) When you install (flip) a project with CEP(s) as a Benefit;

b) When you buy a CEP from the Market;

c) When you play the minor lobby of a Lobby card with a CEP for its minor lobby.

2. You pay a CEP from your hand or from a Region

you Control to the bank:

a) When a fossil fuel power plant gets built to meet energy demands in a region you control;b) When you install (flip) a project, and pay 1 CEP for the ecological footprint;

c) As one payment option in the auction variant to determine the first player.

3. A Region pays a CEP to the bank when a fossil fuel power plant gets built to meet energy demands, and no one Controls that Region.

4. The Market sends a CEP to a Region:

a) When you replace a fossil fuel power plant with a new green power plant.

b) When your Expertise disc reaches the Region CEP bonus space.

Game End

Game is over at the end of the Operations phase:

- Of the **5th decade** (6th in a 5-player game);
- If two regions are completely filled with only green power plants;
- If the global CO₂ pollution level returns to the safe zone, under 350 ppm.

Game is over at the end of the Supply phase:

If the global CO₂ pollution level is at 500 ppm or higher. In this case everybody loses. Don't bother to count the points: You need to find a new planet to inhabit.

Once a game-ending condition is met, do the following in this order:

- 1. Add all CEPs from the regions you Control to your respective hands.
- 2. Sell all CEPs to the market at the current price (do not adjust the market price).
- 3. Distribute Income to all players.

Add the following to your scores:

- 1. X points for meeting your Company Goal (or exchange it for 8 coins);
- 2. 1 point for each 2 coins you have;
- 3. 3 points for the player with the most tech resources in hand. In a tie, all tied players receive the 3 points;
- 4. 3 points for the player who has scored the most UN Goal cards. In a tie, all tied players receive the 3 points.

The winner is the player with the highest score. In case of a tie, the tied player with the most green power plants wins. In case of a further tie, compare the tied players' Expertise in each energy source, in order (forestation, solar, cold fusion, biomass, recycling) until someone is best. If still tied, whichever tied player control more Regions wins. If somehow it is still a tie, all tied players are winners.

Note: When your score reaches 50 VPs, place a second disc on the number 50 on the Global CO_2 Pollution track, and start the other disc back at 0 on the VP track. At 100 VPs, move the second disc to 100, and reset the other to 0 again, and so on.

Game Advice

 CO_2 depicts pollution spinning out of control. Especially in your first game or two, you may feel like there is no hope for a happy ending. While you don't yet have the technology to reverse the damage of reckless pollution, you work hard to stop pollution — or at least reduce it to a more manageable pace. If you "destroy the planet" on your first go, please don't be discouraged. Finding the solution to a global problem does not normally happen on the first try. CO_2 gives you a reset button, so you can go back and try again.

Tips from the Designer

- Since the projects played belong to the regions, try to protect them by placing a scientist on them. Then, if someone uses "your" project, you get a significant reward.
- Try to have a scientist on a project at the end of every turn, even after sending one to a summit. That way, you always receive Expertise at the end of your turn.
- Remember that only the first and the second player in each Expertise track can get income and you can take your income as a mix of money and VP.

Variants

Preset Fossil Fuel Power Plant Setups

For your usual games, we suggest that you place the fossil fuel power plants at random during setup.

But, you may also want to begin the game with a pre-configured setup. These are our suggestions:

a) Beginner (Green) - 4 gas, 1 oil, and 1 coal; global CO_2 pollution starts at 150 ppm.

b) Normal (Recycler) - 2 gas, 2 oil, and 2 coal; global CO₂ pollution starts at 180 ppm.

c) Expert (Industrialist) - 1 gas, 1 oil, 4 coal; global CO₂ pollution starts at 210 ppm.

d) Extreme (Lobbyist) - 6 coal; global CO₂ pollution starts at 240 ppm. Take 6 gas power plant tiles out of the game.

Take the fossil fuel power plants described above place them at random (face-up), one in each region.

Auction to Determine First Player

Experienced players may want to use this auction variant to decide the first player each decade. To determine the first player for the decade,

players make a once-around auction, in which they offer a numeric 'Value'. The first bidder is the player with the 'starting tile', and the auction runs in clockwise order. Players may raise the previous bid, or pass. The player who offered the highest 'Value' (it can be '0'), pays it, chooses who will be the first player for the next decade and gives him the 'starting player tile'. You are allowed to pay the 'Value' bid in coins, tech resources, and/or CEPs. Each coin is worth 1, each tech resource is worth 2, and each CEP's 'Value' is equal to the market price at that moment. You get no change, so if you have pay more than your winning bid, tough!

Solitaire Variant

Earn as many points as you can before global CO_2 pollution rises above 500ppm. Use the base rules, with the following exceptions:

• **Setup**: Before taking your Company Goal, remove Company Goals 27, 30, 32 and 33 from the game. Keep the UN Goals in a face-down stack.

Select a region. Take 1 of each of the 5 projects into your hand, then draw one without peeking, and put it in the grant space of your choice there, without receiving the grant. If that region's agenda does not accept that type of project, go to the next region clockwise that accepts that type, and place it there. Continue clockwise from there with the next random project until all 5 projects are placed. It's possible that one region starts with more than one project. Remember: You don't get the grants for these 5 starter projects! • Play 6 turns instead of 5 in each decade.

• When you play a lobby card using a free move, you receive another card from the face-down deck. If you used the Main Lobby (the center part of the card), reveal a new UN Goal from the stack, to the right of any existing ones; it is now available to be claimed.

• Each time a disaster occurs (see 1.3 Events), remove the leftmost face-up UN Goal in the display from the game.

• When the global CO_2 pollution level rises above 500 ppm during the Supply phase, the game ends, but you still score, because we know it takes more than one person to stop pollution. Total your victory points, but do not distribute income, since you just receive it in the income step of this Supply phase.

Card manifest

LOBBY CARDS

Minor lobbies: Take a tech cube, take 2 coins, take a CEP from the market to your hand, move a scientist.

Main Lobby: Proposing (\$

- 01 to 06 When you propose a project in the region depicted, take 3 coins.
- 07 to 09 When you propose a project in the

grant space depicted, take 3 coins, take 1 tech resource, or move a scientist.

Main Lobby: Installing

10 to 14 When you install a project for the indicated type of energy source, receive what is depicted. For the biomass card (12), choose one of the two.

Main Lobby: Construct Power Plant

15 to 19 When you construct the indicated power plant, pay \$3 less.

Main Lobby: Summits 🎮

20 to 24 When you send a scientist to a summit, to talk about the indicated energy source, immediately receive 1 Expertise in that type of energy.

Main Lobby: Market

- 25 When you buy a CEP from the Market, earn 2 Victory Points.
- 26 When you sell a CEP to the Market, earn 3 more coins.

COMPANY GOAL CARDS

- 27 4 points for each region you control -Maximum of 16 Points.
- 28 3 points for each region where you have at least 1 power plant -Maximum of 15 Points.
- 29 3 points for each UN Goal card you have scored Maximum of 15 Points.
- 30 3 points for each Power Plant you have built behind the first one -Maximum of 15 Points.
- 31 2 points for each CEP in your hand Maximum of 16 Points. Note: check this before you add to your hand the CEPs from the regions you Control.
- 32 4 points for each energy source in which you are the leading expert (ties count as leads) - Maximum of 16 Points.
- 33 3 points for each different energy source of Power Plant you have built.

UN GOAL CARDS

34 to 46 You must pay 1 tech resource to the bank in order to claim the UN Goal card, then use a Free Move to immediately score the amount of points depicted, if you have already built the green power plants shown on the card.

EVENT CARDS

47 to 52 Regional disasters. If the global CO₂ pollution level is 350 ppm or higher when this event occurs, any player that does not have at least one green power plant in the depicted region must send relief in the form of one tech resource.

Credits

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English version of the game edited by Nathan Morse.



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