

Home What we do Members & signatories Reporting to CDP Reports & data Our partners News & events My CDP

Search Results

Respondent CDP 2007: Anadarko Petroleum Corporation

General Introduction

If you would like to give an introduction to your answers, please enter it here.

NOTE FROM CDP: This response was submitted as a pdf document and is attached in full to this introduction section. Where possible the data has been inputted into the online system but where the response does not match the question we have left the box blank. Please check the full response in the pdf to see the complete answer from this company.

[Download attachment](#)

Section A – 1 Climate Change Risks, Opportunities and Strategy

Question 1(a)(i) – Regulatory risks

For this question, please state the time period and where possible the associated financial implications.

What commercial risks does climate change present to your company including regulatory risks associated with current and/or expected government policy on climate change e.g. emissions limits or energy efficiency standards?

Anadarko's primary commercial risks are regulatory. For its hydrocarbon exploration and production activities, the risk lies in uncertainty around potential carbon taxes being imposed on the resource as opposed to the end use of that resource.

Anadarko's portfolio is relatively balanced between oil and natural gas, so the risks are spread among higher and lower carbon intensity fuels. Anadarko has limited exposure to risks associated with emissions limits or efficiency standards within its operations and it seeks to minimize those risks through voluntary participation in programs such as US EPA Natural Gas STAR and API Climate Action Challenge.

Would you like to provide any additional information relating to this question that you have not provided elsewhere?

Question 1(a)(ii) - Physical risks

For this question, please state the time period and where possible the associated financial implications.

What commercial risks does climate change present to your company including physical risks to your business operations from scenarios identified by the Intergovernmental Panel on climate Change or other expert bodies, such as sea level rise, extreme weather events and resource shortages?

Anadarko has physical risks to its operations in the offshore Gulf of Mexico and other areas. These risks are primarily related to extreme weather events (e.g., hurricanes). The 2005 hurricane season in the Gulf of Mexico demonstrated the potential damage and business impact that severe weather can have on the oil and gas industry. Anadarko had a strong record in that season, with no injuries to its employees and relatively minimal risk to its platforms and the environment.

Anadarko continues to analyze data from that season to better prepare for future weather events.

Anadarko also has some minimal risk in onshore operations related to tornado activity or operational shut-ins areas where extreme cold may become a factor. Overall, climate is most likely to affect offshore operations, but we are aware that onshore weather patterns may also change in ways that affect our operations.

Would you like to provide any additional information relating to this question that you have not provided elsewhere?

Question 1(a)(iii) - Other risks

For this question, please state the time period and where possible the associated financial implications.

Apart from any regulatory and physical risks you have described in your answers to questions 1(a)(i) and 1(a)(ii) above, what other commercial risks does climate change present to your company including shifts in consumer attitude and demand?

Shifting consumer attitude and demand for hydrocarbons does present some broad risks to the industry as a whole.

Anadarko's portfolio of strong North American assets including large volumes of natural gas and enhanced oil recovery that incorporates carbon sequestration positions the company well to remain in line with changing consumer awareness and preferences in the US energy markets.

Anadarko's commitment to apply best practices and high environmental standards across all of its operations, both at home and abroad, is in keeping with its desire to be a responsible operator.

Would you like to provide any additional information relating to this question that you have not provided elsewhere?

Question 1(b) - Opportunities

For this question, please state the time period and where possible the associated financial implications.

What commercial opportunities does climate change present to your company for both existing and new products and services?

Anadarko sees a primary opportunity to supply the US market with clean-burning natural gas fuel. Anadarko's Eastern Gulf of Mexico projects (coming on line in the third-quarter 2007) will account for approximately 2% of the nation's overall supply of natural gas. As consumers seek to shift to less carbon-intensive fuels, Anadarko believes that its ability to deliver this resource will serve it well under a carbon-constrained regulatory environment.

Anadarko sees additional opportunities in carbon sequestration and enhanced oil recovery. Anadarko's highly successful Salt Creek project in the onshore US uses anthropogenic CO₂ to produce oil from a 100 year old field, effectively sequestering this greenhouse gas in the subsurface. Anadarko has partnered with research entities including the Rocky Mountain Oilfield Test Center to provide data to assist in scientific research validating geologic sequestration of CO₂.

Anadarko continues to evaluate additional opportunities to apply the lessons it has learned at Salt Creek to create "win-win" situations for its business and the environment.

Would you like to provide any additional information relating to this question that you have not provided elsewhere?

Question 1(c) - Strategy

For this question, please state the time period and where possible the associated financial implications.

Please detail the objectives and targets of the strategies you have undertaken or are planning to take to manage the risks and opportunities you have detailed in questions 1(a) and 1(b) above. Please include adaptation to physical risks.

Anadarko continues to monitor and evaluate the changing regulatory environment for GHG in the US and abroad. Anadarko is committed to establishing a new corporate baseline of GHG emissions for 2006, based on its finalized portfolio after announced acquisitions and divestitures. Anadarko has validated protocols for carbon sequestration in its existing operations at Monell and Salt Creek Wyoming, and plans to continue to evaluate opportunities to expand this type of operation.

Would you like to provide any additional information relating to this question that you have not provided elsewhere?

Section A – 2 Greenhouse Gas Emissions Accounting

Question 2(a)(i) – Methodology – Accounting Year

Please state the accounting year used to report GHG emissions.

Financial accounting year: 31 December 2005

Would you like to provide any additional information relating to this question that you have not provided elsewhere?

Yes

Anadarko completed its first global corporate-wide GHG emissions inventory on a calendar year basis beginning in 2004 and thereafter using its established Corporate GHG Protocol.

Question 2(a)(ii) – Methodology

Please state the methodology by which emissions are calculated.

Other

Please provide additional information below

Anadarko's methodology is consistent with established industry guidelines found in the IPIECA/API/OGP Petroleum Industry Guidelines for Reporting Greenhouse Gas Emissions report, and standards set by the World Business Council for Sustainable Development and the World Resource Institute.

Please state the reporting boundaries for the data provided in this questionnaire

Please provide additional information below

Would you like to provide any additional information relating to this question that you have not provided elsewhere?

Question 2(a)(iii) – Methodology – External verification

Please state whether the information provided has been externally verified or audited.

No

The GHG emissions inventory is currently only internally audited; however, Anadarko's GHG Emission Reductions resulting from Enhanced Oil Recovery (EOR) Projects have been

externally verified and audited.

Would you like to provide any additional information relating to this question that you have not provided elsewhere?

Question 2(a)(iv) – Methodology – Variations in emissions

Please provide an explanation for any significant variations in emissions from year to year eg: due to major acquisitions, divestments, introduction of new technologies etc

In August 2006, Anadarko completed the acquisitions of Kerr-McGee Corporation (Kerr-McGee) and Western Gas Resources, Inc (Western). Currently, Anadarko is divesting itself of certain properties to pay down the debt associated with those acquisitions. These acquisitions and divestitures will have a significant effect on the 2006 GHG emissions inventory.

As a result, Anadarko is recalculating its GHG baseline for 2006 using its established Corporate GHG Protocol.

Would you like to provide any additional information relating to this question that you have not provided elsewhere?

Question 2(b) – Scope 1 and Scope 2 GHG Protocol - Year 1 answers

Please state your direct and indirect GHG emissions in metric tonnes CO2e for global and Annex B countries.

If you are having difficulty reporting your emissions figures in CO2e metric tonnes please see the further guidance on answering the CDP5 questionnaire available [here](#).

Please enter the accounting year used to report GHG emissions details below.

31 December 2005

Total Global Emissions

5330722 CO2e metric tonnes

Total Emissions Annex B countries

5257472 CO2e metric tonnes

Scope 1 activity emissions globally

4504071 CO2e metric tonnes

Scope 1 activity emissions Annex B

4430821 CO2e metric tonnes

Scope 2 activity emissions globally

826651 CO2e metric tonnes

Scope 2 activity emissions Annex B

826651 CO2e metric tonnes

Please state the MWh of electricity purchased and consumed by your company globally.

1014870 MWh

Please state the MWh of electricity purchased and consumed by your company in Annex B countries.

1014870 MWh

Please state the percentage of purchased and consumed MWh of electricity from renewables globally.

Please state the percentage of purchased and consumed MWh of electricity from renewables in Annex B countries.

Would you like to provide any additional information relating to this question that you have not provided elsewhere?

Yes

GHG emissions provided above represent operations in calendar year 2005, prior to the acquisition of Kerr-McGee and Western. Scope 1 activities are those direct emission estimates reported only for Anadarko-operated facilities. Scope 2 activities are those indirect emissions (associated primarily with electricity consumption) reported only for Anadarko-operated facilities. It is unknown what percentage of purchased MWh utilized by Anadarko-operated facilities comes from renewable resources.

Question 2(c) – Scope 3 of GHG Protocol - Year 1 answers

Please enter the accounting year used to report GHG emissions details below.

31 December 2005

If possible, please provide estimates in metric tonnes CO₂e for the following categories of emissions:

Use/disposal of company's products and services

Your supply chain

External distribution/logistics

Employee business travel

Other

Please provide details of the sources of emissions if you have entered a figure in the "Other" box

Please provide further information about your measurement of scope 3 emissions.

Would you like to provide any additional information relating to this question that you have not provided elsewhere?

Yes

Anadarko is an upstream exploration and production (E&P) oil and gas company that explores for and produces crude oil and natural gas. Anadarko does not operate refineries or petrochemical plants. Products are sold shortly after production to commercial end users for fuel and raw materials. Anadarko believes that the GHG emissions associated with these products should be estimated by those consumers. GHG emissions associated with employee business travel (corporate jets and company fleet vehicles) are not included in our GHG emissions inventory because calculated emissions have been deemed insignificant.

Section B – 3 Additional Greenhouse Gas Emissions Accounting

Question 3(a) – Scope 1 and Scope 2 GHG Protocol emissions per country

Using the methodology set out in 2(a), please state your emissions per country. NB : If it is not practical for you to list emissions on a full country by country basis, please list here countries with significant emissions in the context of your business and combine the remainder under "rest of world". If you already have this information in another format (e.g Excel) please attach it.

Country	Scope 1 Emissions (Tonnes CO2e)	Scope 2 Emissions (Tonnes CO2e)
---------	------------------------------------	------------------------------------

Would you like to provide any additional information relating to this question that you have not provided elsewhere?

Yes

For the 2005 GHG emissions inventory year, GHG emissions from Anadarko-operated facilities in the United States, Canada, and Qatar were calculated. GHG emissions estimates can be found in Section A.2.b.

Question 3(b) – Facilities covered by the EU Emissions Trading Scheme

Please provide details of total emissions in metric tonnes CO2e for all facilities covered by the EU ETS and details of allowances issued under the applicable National Allocation Plans

Emissions from the total of all facilities covered by EU ETS figure in metric tonnes CO2e

Total number of allowances issued under all National Allocation Plans applicable to installations covered by the EU ETS

Would you like to provide any additional information relating to this question that you have not provided elsewhere?

Yes

Anadarko does not have any facilities covered by the EU Emissions Trading Scheme.

Question 3(c) – EU ETS impact

What has been the impact on your profitability of the EU Emissions Trading Scheme?

Because Anadarko does not have any facilities affected by the EU Emissions Trading Scheme, there has been no monetary impact.

Would you like to provide any additional information relating to this question that you have not provided elsewhere?

Section B – 4 Greenhouse Gas Emissions Management

Question 4(a)(i) Reduction programmes

What emission reduction programs does your company have in place? Please include any reduction programs related to your operations, energy consumption, supply chain and product use/disposal.

Does your company have an emissions reduction program?

No

What is the baseline year for the emissions reduction program? (YYYY format eg. 1990)

2004

If you do not use a baseline year for your reduction programme, please provide details of your reference point for the programme here.

Would you like to provide any additional information relating to this question that you have not provided elsewhere?

Yes

Anadarko is revising its current 2004 baseline year due to the acquisitions of Kerr-McGee and Western. The new baseline year will be calendar year 2006. Anadarko does not currently have emission reduction targets, but plans to evaluate the potential role such targets, after the completion of its new corporate baseline. Baring unforeseen circumstances, Anadarko plans to establish intensity-based reduction targets in 2008.

Question 4(a)(ii) Reduction programmes

What are the emissions reduction targets and over what period do those targets extend?

Emissions reductions target (%)

Time frame for reduction target

Further information.

Would you like to provide any additional information relating to this question that you have not provided elsewhere?

Question 4(a)(iii) Reduction programmes

What investment has been/will be required to achieve the targets. (In US \$)

Over what time period? (In years)

More detail

Would you like to provide any additional information relating to this question that you have not provided elsewhere?

Question 4(a)(iv) Reduction programmes

What emissions reductions and associated costs or savings have been achieved to date as a result of the program?

Would you like to provide any additional information relating to this question that you have not provided elsewhere?

Question 4(a)(v) Reduction programmes

What renewable energy and energy efficiency activities are you undertaking to manage your emissions?

Would you like to provide any additional information relating to this question that you have not provided elsewhere?

Question 4(b) Emissions trading

What is your company's strategy for trading in the EU Emissions Trading Scheme, CDM/JI projects and other trading systems (e.g. CCX, RGGI, etc), where relevant? Explain your involvement for each of the following:

EU ETS

CDM/JI

CCX

RGGI

Others

More detail

Would you like to provide any additional information relating to this question that you have not provided elsewhere?

Yes

As a U.S. company with no EU-based operations, Anadarko does not qualify to participate in the EU ETS. Anadarko is investigating its options for private transactions in the U.S. market for verified emissions reductions from its EOR operations.

Question 4(c) Emissions intensity

Please state which measurement you believe best describes your company's emissions intensity performance? What are your historical and current emissions intensity measurements? What are your targets?

Best measurement of emissions intensity for you company

GHG emissions intensity is best represented as metric tons CO₂ equivalent per unit of production, typically thousand barrels of oil equivalent (MBOE).

Historical intensity details

Anadarko's GHG emissions intensity in 2005 was 27.4 metric tons CO₂e/MBOE.

Current intensity details

Target details

Would you like to provide any additional information relating to this question that you have not provided elsewhere?

Question 4(d) Energy costs

What are the total costs of your energy consumption e.g. from fossil fuels and electric power? What percentage of your total operating costs does this represent?

Total costs of energy consumption (in US\$)

Percentage of total operating costs (%)

More Details.

As an E&P or energy supply company, the commodity price is one factor that affects Anadarko's profitability. The energy used to fuel E&P operations is provided in many forms from natural gas, electricity and liquid hydrocarbons. The price and volume of energy consumption is unique to each operation and specific data is proprietary.

Would you like to provide any additional information relating to this question that you have not provided elsewhere?

Question 4(e) Planning

Do you estimate your company's future emissions? If so please provide details of these estimates and summarize the methodology for this. How do you factor the cost of future emissions into capital expenditure planning? Have these considerations made an impact on your investment decisions?

Do you estimate your company's future emissions?

No

Please provide details of these estimates and summarize the methodology for this or provide details of why you do not estimate your company's future emissions.

At this time, Anadarko does not estimate future emissions.

How do you factor the cost of future emissions into capital expenditure planning?

Have these considerations made an impact on your investment decisions?

Please provide details below.

Would you like to provide any additional information relating to this question that you have not provided elsewhere?

Section B – 5 Climate Change Governance - Responsibility

Question 5(a)(i) Responsibility

Which Board Committee or other executive body has overall responsibility for climate change?

Board of Directors' Nominating and Corporate Governance Committee and the Climate Change Committee

Would you like to provide any additional information relating to this question that you have not provided elsewhere?

Question 5(a)(ii) Responsibility

What is the mechanism by which the Board or other executive body reviews the company's progress and status regarding climate change?

A Climate Change Committee, composed of employees representing disciplines across the Company, continues to organize, evaluate and advise on climate change and GHG issues within Anadarko. The Committee meets, in full or in part, on a quarterly basis or more frequently, as necessary. The Committee reports annually through executive management to the Board of Directors' Nominating and Corporate Governance Committee.

Would you like to provide any additional information relating to this question that you have not provided elsewhere?

Question 5(b) Individual performance

Do you provide incentive mechanisms for managers with reference to activities relating to climate change strategy, including attainment of GHG targets?

Yes

If so, please provide details.

Indirectly. Since methane is the major component of natural gas, it is inherently in Anadarko's best interest to capture the gas produced for sale in lieu of emissions. Utilizing best management practice and partner related opportunities provided by the US EPA Natural Gas STAR program, Anadarko reports methane reductions achieved annually.

Would you like to provide any additional information relating to this question that you have not provided elsewhere?

No

General Information

Please add any general information and attachments that are not related to a specific question but that you would still like to include with your response here.

We have upgraded our website login. If you have registered to view CDP responses before December 23, please re-register and we will issue new login details.



Connect with us



Newsletter

[Contact Us](#) | [Jobs](#) | [Staff](#) | [Trustees & Advisors](#)
[Accessibility](#) | [Terms & Conditions](#) | [Privacy Policy](#) | [Cookie Policy](#)

© 2015 CDP Worldwide, Registered Charity no. 1122330.
A company limited by guarantee registered in England no. 05013650

