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Multilateral assessment
Questions and answers Greece

Question by China at Tuesday, 28 February 2017

Category: Progress towards the achievement of its quantified economy-wide emission reduction target

Type: Before 28 February

Title: WEM scenario

In the WEM scenario, Greece includes implemented and adopted PaMs up to the year 2008. Could Greece explain the reasons for not including more recent PaMs?

Answer by Greece, Tuesday, 25 April 2017

Each of the PaMs reported in CTF Table 3 refers to a group of PaMs that consists of a number of mitigation actions that have a specific scope and objective (e.g. economic, fiscal etc).

Some of these actions started up in the year 2008 and haven't been changed since then; some other have been trimmed or adjusted, when necessary, in order to conform to the current national circumstances; finally, some other have been supplemented with additional elements in cases where the expected benefits are lagging behind planned outcomes or other national circumstances.

However, we have included information both in BRs and NCs about the evolution of these "grouped" policies since the starting year, which it is reported in CTF Table 3.

To explain further, concerning the mitigation policy entitled: "Implementation of energy efficiency measures in Residential and Tertiary Sector (National Energy Efficiency Action Plan)" : This PaM contains the mitigation actions that are related to the energy efficiency of the residential and the tertiary sectors.

The year "2008" was reported as a "start year of implementation", since these mitigation actions were supported significantly by the incorporation in the Greek legislation of the Directive 2002/91/EC (by Law 3661/2008 "Measures to reduce the energy consumption of buildings").

However, since 2008 and as it is reported in CTF Table 3, we have additional measures:

- the Greek Law 3855/2010 "Measures to improve energy efficiency in end-use, energy services and other provisions" (transposition of Directive 2010/31/U) adopted in 2010,
- the "Energy Performance of Buildings Regulation" National Legislation (in Greek:) adopted in 2010,
- the Greek Law 4122/2013 "Energy performance of buildings" (transposition of Directive 2010/31/EU) adopted in 2013, and
- the transposition of Directive 2010/31/EC, adopted by Greek Law 4342/2015.

Moreover, three national energy efficiency plans were prepared and adopted, the first in 2008, the second in 2011 and the third in 2014. The latter describes the energy efficiency mitigation actions that were reported in CTF Table 3 of BR2 (under column “brief description” and included under ‘with measures’ scenario (Table 10 of BR2).

Furthermore, the mitigation policy entitled in CTF Table 3 as “Improvements in the conventional power generation system” contains the main mitigation actions for the improvement of the conventional power generation system, which are:

- a. the gradual decommissioning of old, inefficient and more pollutant thermal power units;
- b. the commissioning of new power units that comply with the new Industrial Emissions Directive (IED) and Best Available Technique (BAT),
- c. the increase of Natural Gas (NG) share in electricity production,
- d. the interconnection of certain islands with the mainland grid, and
- e. seven lignite-fired and five Heavy Fuel Oil (HFO)-fired power units is expected to be decommissioned till 2020, while nine additional lignite-fired units till 2025. They will be substituted by NG-fired plants and Renewable Energy Sources (RES).

Each of these actions is on-going and started either in 1996 or after 1996. The year 1996 was selected as the “start year of implementation”, because the introduction of natural gas in the national energy system, which is one of the largest investments ever carried out in Greece, was done in 1996, when an important part of the infrastructure, mainly the high pressure transmission system and the medium pressure network, which is necessary for the transport of natural gas to the main regions of consumption, have been completed.

The interconnection of islands to the mainland grid (bullet d) is under implementation according to the following schedule:

- a. Interconnection of Cyclades islands (2018); and
- b. Interconnection of Crete (2025)

Both phases have started after 2008.

Question by Brazil at Tuesday, 28 February 2017

Category: Progress towards the achievement of its quantified economy-wide emission reduction target

Type: Before 28 February

Title: Table 6(c): BR1 and BR2

In BR1, Greece reported table 6 (c) “Information on updated greenhouse gas projections under a ‘with additional measures’ scenario”. Could Greece please explain why in BR2 table 6(c) was not reported?

1. According to BR reporting guidelines: “Each Annex I Party shall report the updated projections for 2020 and 2030 consistent with the “Guidelines for the preparation of national communications by Parties included in Annex I to the Convention, Part II: UNFCCC reporting guidelines on national communications” (hereinafter referred to as the UNFCCC Annex I reporting guidelines on national communications).”

According to paragraph 28 of the UNFCCC Annex I reporting guidelines on national communications: “At a minimum, Parties shall report a ‘with measures’ projection, in accordance with paragraph 29 and **may report** ‘without measures’ and ‘with additional measures’ projections”.

Therefore, the reporting of ‘with additional measures’ scenario’ is not a shall requirement according to the guidelines.

2. As it is reported in section 3.1 of the BR2, “Greece, as a Member State of EU, is under the joint quantified economy-wide emission reduction target of EU and its Member States.”

As it is described in section 3.2 of the BR2, the joint quantified economy-wide emission reduction target of EU and its Member States is divided between the ETS and ESD sectors. Under the revised EU ETS Directive (Directive 2009/29/EC), a single ETS cap covers the EU Member States and three participating non-EU countries (Norway, Iceland and Liechtenstein), i.e. there are no further individual caps by country.

While the EU ETS target is to be achieved by the EU as a whole, the ESD target was divided into national targets to be achieved individually by each Member State. The 2020 ESD target of Greece is to reduce emissions by 4% compared to 2005 levels. The binding quantified annual reduction targets for the period from 2013 to 2020, or the Annual Emission Allocations (AEAs) of Greece are presented in Table 1 of the BR2.

As it is described in section 5.1 of the BR2 of Greece and in section C of the “Report of the technical review of the second biennial report of Greece” (FCCC/TRR.2/GRC), it is concluded that it is anticipated that Greece will meet its 2020 ESD target, on the basis of the implemented domestic policies and measures, as it is depicted in the ‘with measures’ scenario. Since the national target is met by the ‘with measures’ scenario, it was decided that there is no value of report a ‘with additional measures’ scenario.

Category: Progress towards the achievement of its quantified economy-wide emission reduction target

Type: Before 28 February

Title: CTF Table 3: current estimates

Regarding “CTF Table 3 Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects”, are there any current estimates of mitigation impacts since the respective years of implementation?

Answer by Greece, Tuesday, 25 April 2017

The mitigation effect has been estimated by comparing the actual data (e.g. data from the 2015 national energy balance) with a hypothetical ‘without measures’ scenario that does not include the mitigation effect of the examined policy or measure.

The total mitigation effect of the PaMs reported in CTF Table 3 is **22,438 kt CO₂eq for year 2015**. More details are provided in the next table.

Name of PaM or group of PaMs	Mitigation effect (kt CO₂ eq) year 2015
Improvements in the conventional power generation system	7,404
Promotion of natural gas in residential sector	259
Promotion of natural gas in tertiary sector	121
Promotion of natural gas in industry	638
Promotion of natural gas in transportation	11
Promotion of RES for electricity generation	11,383
Biofuel use in transportation	489
Implementation of energy efficiency measures in Industry (National Energy Efficiency Action Plan)	IE (Promotion of natural gas in industry)
Implementation of energy efficiency measures in Residential and Tertiary Sector (National Energy Efficiency Action Plan)	93
Road transport measures	272
Recovery of organic waste	200
Recovery of biogas	769
Establishing common rules for direct support schemes under the common agricultural policy: Reduction of the rate of intensity of agricultural land use and improvement of management of animal waste	370
Establishing common rules for direct support schemes under the common agricultural policy: Increase of organic farming.	329
Establishing common rules for direct support schemes under the common agricultural policy: Decrease of the use of synthetic	100

nitrogen fertilizers by 30% beyond the limit defined in cross compliance system.	
Reduction of emissions of fluorinated gases	Effect will be evident in 2018-2019
Total mitigation effect in 2015	22,438

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