

II

(Preparatory Acts)

COMMISSION

Proposal for a Council Decision adopting a research and development programme in the field of non-nuclear energy (1983 to 1987)*(Submitted by the Commission to the Council on 23 June 1983)*

THE COUNCIL OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Economic Community, and in particular Article 235 thereof,

Having regard to the proposal from the Commission,

Having regard to the opinion of the European Parliament,

Having regard to the opinion of the Economic and Social Committee,

Whereas on 9 June 1980 the Council adopted the resolution ⁽¹⁾ concerning Community energy policy objectives for 1990 and convergence of the policies of the Member States;

Whereas development of an energy strategy for the Community calls for priority to be given to strengthening the research, development and demonstration policies at Community level;

Whereas, by its Decision . . . , the Council adopted the Community's general framework programme of scientific and technical research, development and demonstration activities;

Whereas the energy research and development programmes adopted by Council Decisions 75/510/EEC ⁽²⁾ and 79/785/EEC ⁽³⁾ have produced encouraging results and opened up promising prospects in relation to the objectives sought;

Whereas the research and development activities referred to in this Decision therefore seem necessary and are an appropriate means of following up the projects already in progress, and of starting new ones, with a view to attaining the objectives aimed at;

Whereas the Council has adopted Regulations (EEC) No 1302/78 ⁽⁴⁾ and (EEC) No 1303/78 ⁽⁵⁾ on the granting of financial support for projects to exploit

alternative energy sources and for demonstration projects in the field of energy saving;

Whereas such support is to be granted solely to projects proven industrially and commercially viable by previous studies and research;

Whereas [the Higher Policy Committee for Science and Technology (HCST)] has expressed its opinion,

HAS DECIDED AS FOLLOWS:

Article 1

For the purposes of implementing the research action programme in the field of non-nuclear energy for the European Economic Community, a programme of research and development in the form set out in the Annex is hereby adopted for a period of four years and six months starting on 1 July 1983.

Article 2

The appropriations required to implement the programme, including the costs for 63 staff, are estimated at 379 million ECU.

A breakdown of this sum by sub-programme is set out in the Annex as a guide.

All the figures are given strictly as a guide.

Article 3

The Commission shall be responsible for the implementation of the programme and shall be assisted by a Management and Coordination Consultative Committee (CGC) set up for the purpose [and governed by the rules laid down in the Council Decision of . . .].

Article 4

In the light of the experience gained in the course of the programme, and after obtaining the opinion of the competent CGC, the Commission may alter the breakdown of the amounts shown as a guide for each of the sub-programmes in the Annex

Article 5

A mid-term review of the programme shall be carried out, in particular with regard to priorities. The programme shall, where appropriate, be amended in accordance with the appropriate procedure [and after consultation with the CGC and the HCST].

⁽¹⁾ OJ No C 149, 18. 6. 1980, p. 1.

⁽²⁾ OJ No L 231, 2. 9. 1975, p. 1.

⁽³⁾ OJ No L 231, 13. 9. 1979, p. 30.

⁽⁴⁾ OJ No L 158, 16. 6. 1978, p. 3.

⁽⁵⁾ OJ No L 158, 16. 6. 1978, p. 6.

ANNEX
**RESEARCH AND DEVELOPMENT PROGRAMME IN THE FIELD OF NON-NUCLEAR
ENERGY**

The programme comprises the following sub-programmes:

Development of renewable sources of energy

1. *Solar Energy*

As a guide, an estimated 80 million ECU will be needed to implement this sub-programme.

It covers the following fields of research:

- A — Solar energy applications in buildings.
- B — Thermomechanical solar-power plants.
- C — Photovoltaic power generation.
- D — Solar radiation data.
- E — Solar energy applications in agriculture and related industry.

This work will be carried out under cost-sharing contracts.

2. *Energy from biomass*

As a guide, an estimated 53 million ECU will be needed to implement this sub-programme.

It covers the following fields of research:

- A — Development and recovery of biomass for energy purposes.
- B — Biomass conversion technologies.
- C — Utilization of biomass as a source of energy.
- D — Photochemical and photobiological processes.

This work will be carried out under cost-sharing contracts.

3. *Wind Energy*

As a guide, an estimated 32 million ECU will be needed to implement this sub-programme.

It covers the following fields of research:

- A — Assessment of resources in Europe.
- B — Wind-generator experiments.
- C — Development of technologies and prototypes.

This work will be carried out under cost-sharing contracts.

4. *Geothermal Energy*

As a guide, an estimated 39 million ECU will be needed to implement this sub-programme.

It covers the following fields:

- A — Exploration and assessment of resources.
- B — Properties of geothermal reservoirs.
- C — Production and management of reservoirs.
- D — Utilization and conservation of resources.
- E — Hot dry rocks.
- F — Training and education.

This work will be carried out under cost-sharing contracts.

Rational use of energy**5. *Energy conservation***

As a guide, an estimated 53 million ECU will be needed to implement this sub-programme.

It covers the following fields:

- A — Buildings.
- B — Industry.
- C — Transport.
- D — Energy storage.

This work will be carried out under cost-sharing contracts.

6. *Utilization of solid fuels*

As a guide, an estimated 63 million ECU will be needed to implement this sub-programme.

It covers the following fields:

- A — Heat and power production.
- B — Transportation and handling of solid fuels.
- C — Solid fuels science.

This work will be carried out under cost-sharing contracts.

7. *Production and utilization of new energy vectors*

As a guide, an estimated 43 million ECU will be needed to implement this sub-programme.

It covers the following fields:

- A — Production of synthetic fuels from coal.
- B — Production of synthetic fuels from biomass.
- C — Studies on systems and materials specific to these two production methods.
- D — Generation of hydrogen for synthetic fuel production.
- E — Fuel cells.

This work will be carried out under cost-sharing contracts.

8. *Energy systems analysis and modelling*

As a guide, an estimated 16 million ECU will be needed to implement this sub-programme.

It covers the following fields:

- A — Maintenance and utilization of existing models.
- B — Development of new models.
- C — Application of the models and consolidation of the associated infrastructure.

This work will be carried out under cost-sharing contracts.
