COMMISSION OF THE EUROPEAN COMMUNITIES

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Brussels, 4 December 1978

DEMONSTRATION PROJECTS IN THE FIELD OF ENERGY-SAVING AND EXPLOITATION OF NEW ENERGY SOURCES

DEMONSTRATION PROJECTS IN THE FIELD OF ENERGY-SAVING AND EXPLOITATION OF NEW ENERGY SOURCES

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COMMISSION	
OF THE	
FUROPEAN COMMUNIT	IES

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Brussels	,	 	 	

Document Nr 1

COMMISSION DECISION

on the granting of financial support for demonstration projects in the field of energy-saving

EXPLANATORY MEMORANDUM

- 1. On 12 June 1978 the Council of the European Communities adopted Regulation (EEC) No 1303/78 on the granting of financial support for demonstration projects in the field of energy-saving. The aim of this support is to promote the implementation of demonstration projects relating to the creation of installations using full-scale versions of new equipment or products which will enable significant energy savings to be achieved.
- 2. In accordance with the provisions of the Regulation, the Commission published a call for interested parties in the field of energy savings to submit applications for support by 30 September at the latest².
- 3. A total of 326 proposals were received by the Commission, in response to its call for submissions, for projects covering virtually all sectors of energy consumption whose investment will enable energy savings to be achieved.
- 4. Commission departments which are responsible for examining the applications for support have undertaken a preliminary study of the projects to check that they are compatible with the provisions of Regulation (EEC) No 1303/78.
- 5. When adopting the Regulation, the Council agreed that the initial financing decisions should be taken before the end of the year. In view of this extremely short deadline and the impossibility of making a thorough examination of all the applications received, it seemed more feasible, initially, to study a small number of projects on which a rapid decision might be taken and to ensure that only some of the available appropriations are committed for the first financing decisions so as to avoid prejudicing the choice of other applications. This first set of 38 projects does not include large-scale projects involving individual investment of more than 10 million EUA. By way of example, 25 projects involving investment costs of over 10 million EUA are equivalent to almost 70% of the total investment costs of all the applications received.

¹0J No L 158/6 of 16 June 1978.

²OJ Nc C 158/2 or 4 July 1978.

- 6. In accordance with Article 5(2) of the abovementioned Regulation, the departments of the Commission then consulted the Advisory Committee on the Management of Demonstration Projects composed of representatives of the Member States on 14-15 November 1978 on the first batch of 38 projects.
- 7. In view of the main requirement which each project must fulfil the possibility that its achievement will involve a significant improvement in the efficiency with which energy is used and will allow considerable energy savings the Commission departments, in accordance with the provisions of Regulation No 1303/78, have adopted the following assessment criteria:
- (a) the extent to which the preliminary studies and research show potential industrial and commercial viability and limit the technical and economic risks of the project;
- (b) the nature and extent of the technical and economic risks of the project;
- (c) the extent to which achievement of the project applies new techniques, processes or products or contemplates a new application of existing techniques, processes or products likely to encourage the completion of other installations of the same type in the Community;
- (d) potential energy savings;
- (e) economic viability of the project, sources of finance and the technical and financial capacities of the project directors;
- (f) prospects of widespread application of the technique, process or product and the benefits which could result for the Community;
- (g) type of know-how inherent in the achievement of the project which could be divulged and the means proposed for reporting and disseminating the results of the demonstration;
- (h) as regards the domestic sector in particular, the widely varying conditions of operation (climatic factors, social characteristics).
- 8. Additional particulars or information were required for 22 of the projects before a final decision could be taken.

The number of projects likely to qualify for financial support thus amounts to sixteen; the corresponding investments for carrying out these projects between 1979 and 1981 amount to approximately 16 m EUA. These sixteen projects should involve annual energy savings of 32,000 toe, i.e. 500 EUA/toe a year. If these demonstration projects prove successful, they are expected to be widely disseminated in the Community. The dissemination factor, which varies according to the projects and the sectors, cannot be quantified at present, especially as there is no comparable experience at Community level.

- 9. The departments of the Commission have sometimes reduced the amounts of the investments proposed for support when the proposed costs appear out of proportion with the objectives pursued (e.g. number of models to be covered by the demonstration) or do not reflect the difference in cost between that of the demonstration and that of a conventional installation.
- 10. The departments of the Commission consider that the maximum rate of 49% for Community aid provided for by the Regulation should be applied only in exceptional cases and that a normal rate of 40% should be envisaged. A lower rate of support should be given to make allowances either for other large national aids or for the special risks or scale of certain projects.
- 11. In line with these principles, the support proposed by the departments of the Commission for the sixteen projects amounts to 5,682,250 EUA.
- 12. The tables in Annex 1 set out the sixteen proposals submitted for adoption by the Commission, together with the amounts of investment, the rates of financial support and the Community aids proposed.

Article 2

The support measures referred to in Article 1 shall be agreed for each project on the basis of the percentages of the actual cost given in the annex as verified and accepted by the Commission and not exceeding the maximum amounts which are also laid down in the annex.

Article 3

This decision is addressed to the persons and enterprises listed in the annex.

Done at Brussels, 29 November 1978

For the Commission
The President

	ANNEX
· ·	EEC - participation
	he field of energy-saving
	or demonstration projects in the
	. 6

	Financial support for demonstration projects in the field of energy-saving	ects in the field of ene	rgy-saving EEC - participation	toation ANNEX
Reference	Title, proposer, and, time table	national currency/ EUA2)		national currency/EUA ²⁾
EE/000	Multiple effect evaporation phosphoric acid plant windmill Holland, Vlaardingen Steam saving by putting in series two of the three existing evaporators in order to operate them in so-called double effect.	1,750,000 b ft 627,970 EUA	35 *	612,500 219,790 EUA
EE/008	Heat recovery by heat pipes on milk spray dryers CARBERRY Milk Products Ltd., Ballineen, Cork, Ireland Recovery of heat from a milk dryer exhaust by means of heat pipe and use that heat to preheat the incoming air supply 12 months	118,320 t 177,960 EUA	× 0	47,330 t 71,190 EUA
EE/016	Recuperation of energy in a cloth colouring installation LANEROSSI S.P.A., Schio (VI) Recuperation of cooling water heat and of condensed steam by modification of the circuits 7 months	180,000,000 Lit 166,960 EuA	× 04	72,000,000 Lit 66,780EUA
EE/028	"ASTE" Reggio Emilia Total Energy Consorzio Intercommunale Gas-Aqua Combined heat production with 4-5 diesel engines of 860 Kw each, firing natural gas or fuel oil, for the supply of heat and electricity for a new appartment area	1,325,000,000 Lit 1,229,000 EUA	*	530,000,000 Lit 491,600 EUA
EE/ 038	Electric heat pumos (air-air) for 20 houses with gas (LPG) as additional heat source during cold weather periods Soc. Maison Phénix, Paris 18 months	640,000 FF 113,850 EUA	39 %	249,600 FF 44,400 BJA

M.A.N., Augsburg - Nürnberg Production of 520 KW of heat at 60°C for heating of workshops and office buildings 18 months	613,000 DM 238,800 EUA	4 O4	245,200 IM 99,520 EUA
Production of hot gases from coal shists with high ash content Ciment d'Obourg S.A., Mons			
Use of the hot gases for drying of materials and use of combustion residues for construction materials app. 20 months	97,475,200 FB 2,400,080 EUA	× 07	3,883,010 FB 960,030 UCE
Combined heat and power production with dual—fired Diesel engines (3 x 565 Ku)			
Total energy system, production of electricity and process heat with mixed gas-oil fired Diesel engines	4,248,888 FF 755,860 EUA	× on	1,274,670 FF 226,760 EUA
Installation of 3 small hydro-plants with a total power of No 720 KW on a river with low head water falls Soc. des MOTEURS LEROY SOMER, Angoulème 15 months	2,822,400 FF 502,090 EUA	**************************************	1,128,960 FF 200,840 EUA
Hot blast booster system for cupolus BRADLEY & FORSTER Ltd., Darlaston Complete use of the heat potential in the stock gas by addition of a cross flow heat exchanger rising the hot blast temperature to 750°C (instead of 580°C in present plants)	271,410 t 408.222 EUA	× • • • • • • • • • • • • • • • • • • •	108,560 E 163,290 EUA

	EUA	W. Kr	4	### ### ### ### ### ### ### ### #### ####	FF
	4,350,000 DM 1,694,570 EU	1,620,000 DKr 227,810 EUA	2,348,000 FF 417,000 EUA	512.000 E	224,800
	% %	8 8 8 8 8 8 8 8 8 8	9	× 04	6 86
	14,500,000 IM 5,648,550 EUA	6,480,000 DKr 911,240 EUA	5,870,000 FF 1,044,240 EUA	1.380.000.000 Lit 1.280.000 EUA	562,000 FF 99,980 EUA
Descriptivation of an energy conserving flue gas desulphurization system for power plants	75 MWe - demonstration plant with reheating of flue gases after SO2-scrubbing and drying of by-product without foreign heat, no liquid and solid wastes, by-product directly usable as fertilizer 16 months	Straw firing plant Svenaborg Kommune Heat from the atraw firing plant will be fed into a district heating system, replacing heat produced in oil fired boilers months	Recovery of residual heat from the hot gases of a glass melting furnace Soc. Bertin & Cie, Plaisir Equipment of a melting furnace with a convection oven for drying and preheating a mixture of granulates and conglomerates (150 t/d) 18 months	Installation and control of new high-efficiency boilers (of the type: Blueflam Breda system 91) of different power levels and under various operating conditions 0.7.8Officies Termotechniche Breda, Bari 23 months	Recuperation of energy from a slectrical collective dish washer machine by head roup. Stablissement Bonnet, Villefranche Use of the heat for heating the washing and cleaning water of the machine and of the washing room.
EZ/118		EE/121	EE/219	EE/231	EE/301

	1,754,170 BKr 246,680 EUA					
	7 0 7					
	4,385,436 DKr 616,700 EUA					
	CKIVE Kommune SKIVE Kommune Demonstration of 53 houses and flats each representing new types of construction, representing new types of construction, salvanced methods of insulation and heating systems based on non-oil consuming techniques app. 36 months	1) Provisional estimates of the Commission 2) EUA conversion rates of 1st september 1978. The amounts in EUA are given for information purposes.				
**************************************	ms/323					

Commission Decision implementing Council Regulation (EEC) N^o 1303/78 of 12 June 1978 on the granting of financial support for demonstration projects in the field of energy-saving I

THE COMMISSION OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Economic Community,

Having regard to Council Regulation (EEC) N^{o} 1303/78, and in particular Article 5, § 2 thereof,

Having consulted the Advisory Committee on the Management of Demonstration Projects,

Whereas Rgulation (EEC) No 1303/78 provides for the granting of financial support for demonstration projects allowing a significant improvement in energy efficiency by making use of new equipment, processes or products,

Whereas it is important to support such projects, particularly if they are capable of reducing the energy consumption of buildings, encouraging the recovery of high or low temperature heat in industry, developing methods for the combined production of heat and power and district heating and developing new industrial processes,

Whereas financial provisions for this purpose should be made before the end of 1978 and whereas this Decision does not exhaust the first set of projects within the meaning of Article 5(2) of Regulation (EEC) N^0 1303/78,

HAS ADOPTED THIS DECISION :

Article 1

The demonstration projects referred to in the annex to this decision shall be granted financial support in the form of a financial contribution according to regulation (EEC) No 1303/78 repayable under certain conditions.

¹ 0J L 158 of 16 June 1978

COMMISSION DECISION

on the granting of financial support for demonstration projects in the field of geothermal energy

- 1. On 12 June 1978 the Council of the European Communities adopted Regulation (EEC) No. 1302/78⁽¹⁾ on the granting of financial support for projects to exploit alternative energy sources.
 - This support is intended to encourage demonstration projects for using, amongst other alternative sources, geothermal fluids to heat living, industrial or other premises, to generate electricity, or to provide heat for industrial or agricultural purposes.
- 2. In implementation of the Regulation, the Commission published (2) a call for tenders in the geothermal energy sector, inviting the persons and undertakings interested to submit their support proposal by 30 September 1978 at the latest.
- 3. In reply to the call for tenders, the Commission received 36 proposals for projects requiring capital expenditure to be made between 1979 and 1983, amounting to nearly 140 million EUA.
- 4. The departments of the Commission assigned the task of vetting applications for financial support have subjected the projects to a preliminary review of their admissibility in terms of Regulation No. 1302/78.
- 5. As required by Article 6(2) of the Regulation, the Commission's departments then consulted the Advisory Committee for management of the projects, composed of representatives of the Member States.
- 6. From these elements and the information provided by the proposers, the competent departments of the Commission have assessed each project with a view to ascertaining the possible support measures, within the criteria conforming to those laid down by the Regulation No. 1302/78 and the Proposal for a Council Implementing Regulation (3):

⁽¹⁾ O.J. No. L 158 of 16 June 1978, p.3.

⁽²⁾ O.J. No. C 153 of 29 June 1978, p.3.

⁽³⁾ Document COM(78)122 final of 31 March 1978

- the extent to which previous research and prospecting demonstrate industrial and commercial soundness of the project and limit its technical and economic risks;
- the extent to which the project uses new techniques or technologies, particularly as regards equipment relating to the exploitation of geothermal fluids, which could be used to encourage the construction of other installations of the same type;
- the potential of the geothermal field involved in the project and the extent to which fulfilment of the project may encourage the exploitation of other geothermal fields in the Community;
- the economics of the project, the sources of finance for the project and the technical and financial potentials of the sponsors of the project;
- the soundness of the project in relation to environmental protection standards;
- the nature of the knowledge inherent to fulfilment of the project which could be divulged and the means of information envisaged.
- 7. In making their assessment, the Commission's departments bore in mind more especially the fact that certain objectives, priority ones in their view, should be achieved by the projects in question, in particular:
 - the exploitation in the Community of geothermal fields in new regions or at geothermal horizons never before exploited;
 - the first fulfilments of geothermal demonstration projects in certain Community countries;
 - the best use of geothermal energy and its reliability in various fields of utilization.
- 8. The Commission's departments also felt that support should be ruled out in the case of projects which:

- have a predominant research character or merely aim at carrying out preliminary studies or research;
- are not coupled with the necessary preliminary information concerning the research stage;
- concern the exploitation of geothermal fields already known and exploited;
- give no assurance that, once the geothermal field has been proved, its exploitation would ensue forthwith.
- 9. To sum up, the number of projects likely to benefit from financial support is 12; the corresponding investments for the implementation of the projects, calculated for 1979 to 1981, amount to nearly 55 million EUA.
- 10. On these investments or part of these investments, the Commission's departments propose in most cases the following rates of financial support:
 - 20% in respect of drilling, half of which is repayable.

 If the results obtained from the drilling rule out commercial exploitation of the field, the support is not repayable;
 - 20% in respect of the surface plant relating to the exploitation of the geothermal energy and in respect of the demonstration management, usually entirely repayable.
- 11. When these principles are applied, the support contemplated by the competent departments of the Commission for the 12 projects selected amounts to 9,103,300 EUA.
- 12. However, the list of retained projects must not be considered as exhaustive. Since budgetary availability does not permit certain merit-worthy projects to be assisted, the Services of the Commission reserve the possibility of presenting a complementary list during the course of 1979.

COMMISSION PROJECTION

on the granting of financial support for demonstration projects in the field of geothermal energy

THE COMPISSION OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Economic Community, Having regard to Council Regulation (EEC) No. 1302/78⁽¹⁾, and in particular Article 6, paragraph 2 thereof,

After consultation with the Advisory Committee for management of demonstration projects in the field of geothermal energy,

Whereas Regulation (EEC) No. 1302/78 provides for the granting of financial support for demonstration projects to exploit alternative energy sources in the Community, which by their nature may serve as examples and which prior studies and research have shown to offer prospects of industrial and commercial viability,

Whereas the Commission has submitted to the Council a Proposal for a Council Regulation (EEC) (2) implementing Regulation (EEC) No. 1302/78 in the geothermal energy sector,

Whereas it is important to promote demonstration projects particularly likely to make best use of the geothermal fields of the Community,

Whereas this Decision relates to the first series of projects in the meaning of Articles 6(2) and 11 of Council Regulation (EEC) No. 1302/78,

HAS ADOPTED THIS DECISION :

Article 1

1. The demonstration projects listed in the Annex to this Decision shall receive financial support under the provisions of Council Regulation (EEC) No. 1302/78.

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⁽¹⁾ O.J. No. L 158 of 16 June 1978, page 3.

⁽²⁾ Doc. COM(78)122 final of 31 March 1978.

- 2. The support shall be granted :
 - (a) in respect of drilling in the form of a financial contribution repayable at the rate of 50%. If the results obtained from drilling would rule out commercial exploitation of the field, the support is not repayable;
 - (b) in respect of the surface plant connected with exploitation of geothermal energy, and in respect of demonstration management, in the form of a financial contribution usually entirely repayable.

 If, as a result of risks particular to some projects, the geothermal field is not exploited or only partly exploited, a proportion of the support, specified according to the nature of the project, is not repayable.

Article 2

The support referred to in Article 1 shall be granted for each project on the basis of the percentages, set out in the Annex, of the actual cost as verified and accepted by the Commission and up to the ceiling of the maximum amounts also specified in the Annex.

Article 3

This Decision is addressed to the persons and enterprises indicated in the Annex.

Done at Brussels, 29 November 1978

For the Commission,

The President

SUPPORT NOR DEFORMEDITION PPORTORS IN THE GIVENIENLE STRUKEN SECTION

	o contra	and the state of t		
AND THE PERSONAL PROPERTY OF THE PERSONAL PROP	Arount of support	870,000,000 Lll 807,000 B.V.A.	820.300.000 Lit 761.400 E.U.A.	1.014.000.000 Lit 940.600 E.U.A.
	Extent of support	30, for the drillings, half of which is repayable	30% for drilling, half of which is repayable; and 20% for surface equipment relating to geothermal exploitation, both repayable in full.	30% for drilling, half of which is repayable
	Total cost	2.900.000.000 Lit 2.699.900 E.U.A.	4.326.000.000 L1t 4.012.600 E.U.A.	10.010.000.000 Lit 9.284.800 E.U.A.
	Titla-Proposer-Objective-Phusco-Time-scale	AGIP AGIP The first stage of the project is simed at the exploitation of the Tofete geothermal field, near Haples, for the purpose of producing electricity a) exploration: - drilling of 2 vells; a) - end of 1978 to mid-1979.	EXTRICTOLIANT AGIP/SHAME Exploitation of a geothermal source to provide heating for an area in South Eilan, heating system be exploration: - drilling of 2 wells, production and reinjection; - January 1979 - January 1930; b) utilization: - surface equipment; - January 1979 - July 1931.	EESL Exploitation of geothermal fluids for the production of electricity and the extraction of mineral salts tion of mineral salts a) exploration: - 2 boreholes, production tests, simulated 1-34 pilot installation; - January 1979 - June 1980; b) utilization: - chemical plant, 3.5 MH unit, and demonstration-type management; - June 1990 - December 1992.
	Ref.	SI.	£7	81

Conversion rate to E.U.A. as at 1 September 1973 - Amounts in E.U.A. are shown for indication only.

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ce for the 35.700.000 Ex account of support of support of or the sub- ed at 5.456.200 E.U.A. face squipment relating to geothermal exploitation, both replaying: appli, 72.255.000 FB 30% for drilling, half of which is squiplying 1.755.400 E.U.A. appli, 15.650.000 HI 30% for drilling, half of which is caploying 15.650.000 HI 18 repayable. 15.655.000 FB 30% for drilling, half of which is caploying 15.655.000 HI 18 repayable. 15.650.000 HI 18 repayable. 15.650.000 HI 18 repayable.			A CONTRACTOR OF THE PROPERTY O	e de la companya del la companya de	gs. Van Vagtingen besteht in der verschafte der ver
Durk Oile of Mituren/5 Department of Anna/5 Disconting of the town of Anna/6 Disconting of the to	n.c.	Tive-Proposer-Objective-Placer-Tire-Scrie	Total cost	Extent of support	Fround of Public
b) utilization: - surface equipment; 1000GTTANTENT	1 - K	c Olle og Katungeletten of a gulletion of the town ent by district exploration:	35.700.000 Dkr 5.456.200 B.U.A.	30% for drillthe, half of shich to repayable; and 20% for surface equipment relating to geothermal exploitation, both repayable in full.	3.670.630 Err
Hebosymana at schapping Antherp Antherp First stage of a project aired at employing Pirst stage of a project aired at employing hot-houses near Antherp Appleation: - studies, production drilling; - 1979. ROTITION: - 1979. ROTITION: - 1979		utilization: -			
ROFFITCAL: Contrus voor Energievraagstukken TWO First stage of a project mined at employing First stage of a project mined at employing First stage of a project mined at employing Foothermal energy for space heating in a South Rotterdam mean South Rotterdam mean and Prilling (production and Prilling (production bility studies;	8 4 2	HOCOSTRATER Genestellike Ontwikkelingsmaatschappij, Antwerp Antwerp First stage of a project alred at employing geotherwal energy to heat now and existing hot-houses mear Antwerp hot-houses are Antwerp a) exploration: - studies, production a) exploration: - 1979.	72.255.000 FB 1.735.460 E.U.A.	30% for drilling, half of which is repayable.	18,000,000 FB 445,000 E.U.A.
	8H	ROTFINICAL: Centrum voor Energievraagstudden TNO First stage of a project sined at employing geothermal energy for space heating in a South Rotterdam area a) exploration: - studies, seizmic survey a) exploration: - studies, seizmic survey and inithing (production and reinjection); feasi- bility studies;	15.650.000 Hfl 5.615.300 E.U.A.	30% for drilling, half of which is repayable.	675,200 E.U.A.

Conversion rate to E. U.A. as at 1 September 1973 - Amounts in E.U.A. are shown for indication only.

BOLDER AND DELICITION OF THE PARTY OF THE BOLDER SPECIAL PROPERTY OF THE PROPE

Amount of support	2.970.000 FF 528.300 E.U.A.	3.899.000 FF 693.600 E.U.A.	1,397,000 FF 248,500 E.U.A.
Extent of support	30% for production drilling, half of which is repayable.	30% for drilling, half of which is repeyable; and 20% for surface equipment relating to geothermal exploitation and for demonstration management both repayable in full.	30% for drilling, half of which is repayale.
Total cost	26.229.000 FF 5.021.600 S.U.A.	14.545.000 FF 2.527.500 E.U.A.	16.305.000 FF 2.900.900 E.U.A.
Title-Proposer-Objective-Phasse-Time-scale	CERCY-PUICEM Diablicacuent public of main density de la ville nouvelle de CHROY-PUICEM Exploitation of a geothermal source for heating purposes in a new town to the north of Paris a) exploration: - studies, drilling (production exploration: - 1979; - 1979; b) utilization: - surface equipment and demonstration-type annagement; - 1980 - mid-1981.	Association syndicale libre des propriétaires de Felleray Exploitation of a ceothermal source for the Exploitation of a ceothermal source for the heating of existing hothouses near Orléans a) exploration: — drilling (projuction and reinjection); - 1979; b) utilization: — surface equipment and denonstration—type management; - 1980.	Exploitation of a geothermal source in the Basin of Aquitaine for the heating of dwellings and tertiary equipment a) exploration: - production drilling; b) utilization: - ourface equipment; c) utilization: - 1930 - 81.
no.	3.7	82	87

Conversion rate to E.U.A. as at 1 September 1972 - Amounts in E.U.A. are shown for indication only.

	Title-Proposer-Chiective-Phases-Time-scale	Total cont	Extent of support	Arount of support
	CLEDUCT-FIRMALD Societs discondentate pour l'étude of la réalisation du projet esthermique de la Ville de Clement-Ferrand Exploitation of a geothermal source in Limugne for the heating of existing and planned duellings and tertiary installations a) exploration: - drilling (production and reinjection); - 1979; b) utilization: - surface equipment; - 1980 - 81.	23.500.000 FF 4.120.500 E.U.A.	20, for drilling, half of which is repayable.	2.400.000 FF 427.000 E.U.A.
75.00 F-10.	STEASTOURG SCOLLIG SCOLLIG SCOLLIG Exploitation of a geothermal source for the heating of apertment buildings and existing tertiary installations near Strasbourg a) exploration: - drilling (production and reinjection); - 1979; b) utilization: - surface equipment and demonstration-type management; - (-)	31.797.000 FF 5.656.500 E.U.A.	30% for drilling, half of which is repayable.	5.250.000 FF 934.000 E.U.A
CONTRACTOR AND	FOUST REMAIN KAN/AALTER Depolitation of the goothermal cources in Ithine Staben for the heating of emisting Johns a) a territor: — studies, exploratory drilling, production drilling; — 1979 — 1980; — 1979 — 1980; — 1979 — 1980; — 1979 — 1980; — 1979 — 1980; — 1979 — 1980; — 1979 — 1980;	13.207.400 DK 5.145.600 B.U.A.	30, for the first part of phuse (a), exploratory drilling, half of which is repayable.	1.097.400 DK 427.500 E.U.A.

Conversion rate to Helf. as at 1 September 1977 - Arounts in Helfer are those

Document Nr 3

COMMISSION DECISION

on the granting of financial support for demonstration projects in the field of solar energy

EXPLANATORY MEMORANDUM

- 1. The Council of the European Communities adopted on 12 June 1978
 Regulation (EEC) No. 1302/78(1) on the granting of financial support
 for projects to exploit alternative energy sources and, in particular,
 solar energy.
- 2. Pursuant to this Regulation the Commission published(2) a call for tenders asking those concerned to send it, by 30 September 1978 at the latest, proposals in the field of solar energy.
- 3. The Commission received 135 proposals representing a total cost of approximately 108 million u.a.
- 4. Each of these projects was examined by the Commission's departments more especially concerned (DG XVII, project leader, DG XII and JRC).
- 75. The Advisory Committee, set up in accordance with the provisions of Article 6 para. 2 of the above-mentioned Regulation, met on 24 and 25 October. Although they considered that a longer period between the receipt of the documents and the holding of the meeting would have been preferable, the Committee members except for the representatives of the Federal Republic of Germany felt they were able to discuss to good purpose.

The Committee's work was organised on the basis of an initial selection of 35 projects made by the Directorate-General for Energy with due regard to the examination mantioned in item 4 above; to this selection were added other projects which certain representatives considered to be equally worthwhile. The opinion of the representatives was based on a number of criteria agreed to by common consent:

- 1) value of demonstration
- impact on energy saving a) at the project level
 - b) size of potential market
- 3) prospect of technical success
- 4) prospect of commercial and industrial viability
- 6. Guided by the appraisals made by each delegation concerning each of the projects considered, the departments drew up an initial list of projects and suggested to the Commission that it give financial support to them. The list comprises 14 projects which are set out further on, appended to the draft decision.

⁽¹⁾ OJ No L 158/3, 16 June 1978.

⁽²⁾ OJ No C 170/3 "Communication from the Commission on the granting of financial support to projects for developing alternative energy sources - first call for tenders in the solar energy sector".

However, since the 135 projects received in response to the call for tenders were not all discussed by the Committee owing to lack of time, the departments recommended that a second examination be carried out which might lead to a supplementary list that could be adopted during the first quarter of 1979.

7. The expenditure involved in carrying out the 14 projects eligible for financial support amounts to approximately 8.2 million EUA towards which the Commission proposes to give support (to the extent, for most of these projects, of 40%).

This percentage is in conformity with the provisions of Article 5 of Regulation (EEC) No 1302/78 and with those of the proposed application regulation COM(78)54 final, 13 October 1978.

The amount of support proposed by the departments is 3,072,023 EUA(*). This amount is to be entered under budget heading No 3241 for 1979.

^(*) At the rate of 1.9.1978.

COMMISSION DECISION

on the granting of financial support for demonstration projects in the field of solar energy

THE COMMISSION OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Economic Community,
Having regard to Council Regulation (EEC) No 1302/78 and notably Art.6 par. 2

After consultation with the Advisory Committee for management of demonstration projects in the field of solar energy,

Whereas Regulation (EEC) No 1302/78 provides for the granting of financial support for demonstration projects to exploit alternative energy sources in the Community which by their nature may serve as examples and which prior studies and research have shown to offer prospects of industrial and commercial viability:

Whereas the Commission has submitted to the Council a proposal for a regulation(2) implementing in the solar energy sector Regulation (EEC) No 1302/78;

Whereas it is important to pursue demonstration projects particularly likely to make best use of solar energy resources;

Whereas this Decision relates to the first series of projects within the meaning of Articles 6 para. 2 and 11 of Council Regulation (EEC) No 1302/78,

HAS ADOPTED THIS DECISION :

Article 1

The demonstration projects listed in the Annex to this Decision shall receive financial support in accordance with Regulation (EEC) 1302/78 in the form of payments repayable under certain conditions. It will be granted subject to approval under the 1979 budget.

⁽¹⁾ G.J. no L 153 of June 16th, 1978, page 3 (2) COM(78) 511 final of Oct. 13th, 1978

Article 2

The support referred to in Article 1 shall be granted for each project on the basis of the percentages, set out in the Annex, of the actual cost as verified and accepted by the Commission and up to the ceiling of the maximum amounts also specified in the Annex.

Article 3

This Decision is addressed to the persons and enterprises listed in the annex.

Done at Brussels, 29 November 1978

For the Commission,

The President

Annex to the decision

LIST OF PROJECTS ELECTED

N° Project Member State	1) Title 2) Responsible 3) Category	Total Cost (*)	Per- centa- ge of Commu- nity support	Community support (*)
1) SOL 9 (IT)	1) Multi stage-flash desalina- tion plant with solar energy as the main energy source at Pantelleria island (Sicily) 2) AGIP S.p.A P.le Mattei, 1 - Roma (Italia) 3) End Use: Agri-industrial Type: Thermal	LIT 185.000.000 EUA 171.597	40	LIT 74.000.000 EUA 68.639
2) SOL 50 (F)	1) Partly solar energy working distillery 2) Roussillon Alimentaire la Catalane - Centre National de la Recherche Scientifique 3) End Use: Electricity generation Type: Thermalmécanical	FF 10.000.000 EUA 1.778.948	40	FF 4.000.000 EUA 711.579
3) SOL 68 (F)	1) Chauffage solaire et produc- tion d'eau chaude de l'ensemb- le immobilier de Chabrières (Hautes-Alpes) 2) Sté Européenne de Propulsion Tour Roussel-Nobel Cédex n° 3 92080 PARIS LA DEFENSE 3) End Use: Habitat and social Type: Thermal	FF 8.712.000 EUA 1.549.819	30	FF 2.613.600 EUA 464.946
4)SOL 123	 Toepassing van zonne-energie voor verwarming van tapwater op een mestkalverenbedrijf I.M.A.G. Mansholtlaan 10-12, Wageninger End Use: Agri-industrial Type: Thermal 	Gulden 232.000 EUA 83.251	40	Gulden 92.800 EUA 33.300

^(*) Taux de conversion au 1.9.78. Les montants en U.C.E. sont donnés à titre informatif.

^(*) Rate of conversion as for 1st of September 1978 The amounts in EUA are given by way of example.

Appendix to the state of the st

	- 2 -			
5) SOL 2 (Lux)	1) Renovierung des städtischen Schwimmbedes. Heizen des Duschwassers mit Sonnenenergie	F Lux.10.970.000 EUA 271.222	34	F Lux.3.729.800 EUA 92.215
·	2) Gemeindeverwaltung der Stadt Esch-Alzette			
	3) End Use : Habitat and social Type : Thermal			
6) SOL 30 (DK)	1) Solvarmeanlaeg Midtfynds Fritidscenter	DK 2.000.000 EUA 281.247	40	DK 800.000 EUA112.499
	2) Ringe Kommune - Radhuset - 5750 Ringe			
	3) End Use : Habitat and social Type : Thermal		,	
7) SOL 46	1) Demonstration of Solar Passive Homes	£ 300.000 EUA 451.223	40	£ 300.000 EUA 180.489
•	2) Taylor Woodrow Homes Limited Western House - Western Avenue Ealing - London W5 1EU			·
	3) End Use : Habitat and social Type : Thermal			
8)SOL 111 (IT)	1) The project relative to renewable energy sources for use in agriculture is entitled "Energy farm"	LIT 335.000.000 EUA 310.729	40	LIT 134.000.00 EUA 124.29
	2) FIAT TRATTORI S.p.A. Via Pico della Mirandola, 72 MODENA			
	3) End use : agri-industrial Type : thermalmécanical-biomass			
9) SOL 11 (IT)	1) Impianto solare per condiziona- mento e riscaldamento del modu- lo Bar-Snack-Market di aree di servizio austradali.		40	LIT 70.000.000 EUA 64.928
	2)AGIP S.p.A P.le E.Mattei,1 - Roma (Italia)			
	3) End Use : Agri-industrial Type : Thermal			
10) SOL 77	1) Microirrigation par pompage so- laire. Cette opération sera ré alisée dans une exploitation agricole à BourrioBetgonce (Dépt. Landes).		40	FF 251.200 EUA 44.687
	 Sté Nat. ELF AQUITAINE rue Nélaton 75739 PARIS CEDE 15. 	CX		•
	3) End Use : Agri industrial Type : Photovoltaic			

11)EOL 15 (IT)	1) Solar energy plant for the production of heat and refrigeratin in wine processing with particular attention to wine refrigeratin and pasteurization	LIT 181.000.000 EUA 167.886	40	LIT 72.400.000 EUA 67.154
	2) ADELKAM S.p.A Via Giuseppe Piazzi, 15 90141 PALERMO			
	3) End Use : Agri-industrial Type :Thermal			
12) SOL 17 (IT)	1) 30 Kwp photovoltaic converter for heating and cooling generation and for water pumping production to be used in agricultural application	LIT 630.000.000 EUA 584.356	40	LIT 252.000.000 EUA 233.742
	2) OFFICINE GALILEO S.p.A. Head Officer: Via C. Bini,44 Firenze 3) End Use: Agri-industrial			
13) SOL 54	Type: Photovoltaic 1) Fluized gas producer (600 KVA) for processing flax by-product	FF 1.652.000 EUA 293.882	40	FF 660.800 EUA 117.553
(F) .	2) Coopérative Agricole Linière du Plessis Beleeville 60330 PLESSIS BELLEVILLE			
	3) End Use : Agri-industrial Type : Biomass			and the second s
14) SOL 100 (Irl)	1) Forestry Biomass energy demonstration project 2) National Board for Science and Technology-Shelbourne House, Shelbourne Road, DUBLIN 4	£ 1.256.584 (ir1) EUA 1.890.000	40	£ 502,633 EUA 756,000
	3) End Use : Electricity generation Type : Biomass			

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EUA 8.108.199

EUA 3.072.023

Document Nr 4

COMMISSION OF THE EUROPEAN COMMUNITIES

Commission Decision

on the granting of financial support for demonstration projects in the field of liquefaction and gasification of solid fuels

EXPLANATORY MEMORANDUM

- 1. On 12 June 1978 the Council of the European Communities decided on Regulation (EEC) No. 1302/78 (1) on the granting of financial support for projects to exploit alternative energy sources. This support is intended for, among the alternative sources, demonstration projects on the liquefaction and gasification of solid fuels since these projects are aimed at reducing the Community's dependence with regard to energy supply.
- 2. In application of Article 6 of the Regulation the Commission published a call for tenders (2) inviting interested parties to submit, before 30 September 1978, proposals for support that could be considered in the framework of the first series of projects.
- 3. In answer to the call for tenders, 14 Community undertakings or institutions presented to the Commission requests for support to carry out 12 demonstration projects whose total cost amount to 267.8 million E.U.A.
- 4. The competent Commission services, charged with arranging the examination of the requests for support, subjected them to a preliminary examination of their admissibility under the terms of Regulation No. 1302/78.
- 5. In conformity with the dispositions of Art. § 2 of the above-mentioned Regulation, the Commission's services consulted the Advisory Committee for the management of projects, consisting of representatives of the Member States. In the same context, a Commission inter-service committee was also consulted.

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⁽¹⁾ OJ No. L 158 of 16 June 1978

⁽²⁾ OJ No. C 154 of 30 June 1978

- o. On the basis of these activities and of information by the proposers, the Commission's services proceeded to an evaluation of each project with a view to establishing proposals for support and, in conformity with the dispositions of Regulation No. 1302/78, and considering the draft Council Regulation retained the following criteria for evaluation:
 - Technological novelty of the project in relation to the current state of the art
 - The possibilities for technical realisation of the project and the possibility of success
 - The number and magnitude of possible applications of the results of the project
 - Security of the project with regard to standards for safety and environmental protection
 - Evaluation of the risks of superfluous duplication of effort in relation to techniques already established or under development and of the possibility of collaboration with other projects
 - Technical and financial capabilities of those responsible for the project; association of those responsible with industrial partners
 - The nature of knowledge related to the carrying out of the project that could be divulged, and the means of information envisaged.
- 7. In their assessment, the Commission's services took particular account of the fact that certain objectives, which were regarded as priorities, should be achieved by the projects in question, notably:
 - Enlargement of the field of liquefaction and gasification of solid fuels
 - Enlargement of the range of products obtainable by the liquefaction and gasification of solid fuels in order to achieve a wider substitution of imported energy
 - Increase of the thermal efficiency and the productivity of each process

^{(1)&}lt;sub>COM(78)</sub> 122 final of 31.3.1978

- Reduction of the quantities of solid fuels needed for liquefaction and gasification and hence improved utilization of deposits.
- Reduction of the cost of protecting the environment by utilising solid fuels in the form of gaseous and liquid products
- In the case of underground gasification, the profitable utilization of deposits that can not be exploited economically by currently available means.
- 8. Moreover, the Commission's services judged that support should not be considered for projects that:
 - envisaged only preliminary research or carried no technical risks
 - were aimed at developing processes which, although representing technological progress, would utilize only very specific types of solid fuel
 - were concerned with complementary developments but did not offer any solution that could cover a future need
- 9. Following these considerations, the number of projects suitable for financial support amounted to four. The corresponding total cost for the period from 1979 to 1985 was 107 925 000 E.U.A.

- 10. The Commission's services propose a level of participation of 40% for these projects. The aid is to be considered as a grant that will be repayable if the plant in question is operated commercially.
- 11. In application of these principles and having regard to the results of the examination, the support envisaged by the Commission for certain phases of the four projects retained, amounts to an estimated total of 15 825 000 E.U.A.

Clearly this relates to a first series of demonstration projects in the field of liquefaction and gasification of solid fuels.

The following phases of the 4 projects in question must be taken into consideration later.

COMMISSION DECISION

on the granting of financial support for demonstration projects in the field of liquefaction and gasification of solid fuels

THE COMMISSION OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Economic Community, Having regard to Council Regulation (EEC) No. 1302/78 (1), and in particular article 6.2 thereof,

Having consulted the Advisory Committee for the management of demonstration projects in the field of liquefaction and gasification of solid fuels,

Whereas Regulation (EEC) No. 1302/78 envisages the granting of support for the carrying out of demonstration projects to exploit alternative energy sources in the Community which by their nature may serve as examples and which prior studies and research have shown to offer prospects of industrial and commercial viability,

Whereas the Commission has presented to the Council a draft Council Regulation (EEC) (2) applicable in the sector of liquefaction and gasification of solid fuels of Regulation (EEC) No. 1302/78

Whereas the liquefaction and gasification of solid fuels offer interesting possibilities for exploitation and need to have available tried and tested technologies within the desired time,

Whereas the present Decision relates to the first series of projects in the sense of Articles 6 § 2 and 11 of Regulation (EEC) No. 1302/78

HAS ADOPTED THE PRESENT DECISION

Article 1

1. The demonstration projects featured in the Annexe to the present Decision shall benefit from financial support under the terms of Regulation (EEC) No. 1302/78.

John John

⁽¹⁾ OJ No. L 158 of 16 June 1978, page 3

⁽²⁾ Doc. No. COM(78) 122 final of 31 March 1978

- 2. The support shall be given in the form of repayable grants to projects on the liquefaction and gasification of solid fuels covering the following phases:
 - the development, testing and proving out of pilot or demonstration plants
 - the preceding phase and the construction of such plants
 - the preceding phases and the design of such plants.

Half the support shall be repayable in cases where the plant is subsequently operated for industrial purposes and proves to be profitable.

Article 2

The support envisaged in Article 1 shall be granted to each project on the basis of the percentages, indicated in the Annexe, of the real cost, verified and accepted by the Commission and subject to the maximum limits specified in the Annexe.

Article 3

The legal personalities and undertakings to whom the present decision is addressed are shown in the Annexe.

Done at Brussels , 29 November 1978

By the Commission
The President.

SUPPORT FOR DEMONSTRATION PROJECTS in the field of lighefaction and resification of solid fuels

***************************************			DM SUA		•					E	EUA	•								
Aid			11 140 900 DM 4 340 000 EU							220 000 000 FB	5 440 000					·	(Nagashurra de	· · · · · · · · · · · · · · · · · · ·		
Lavel of support	No aid for the almost-completed con- struction phase	(Total cost 75 831 000 DM, or 29 749 000 EUA)	40 % for the phase "Operation and	perfection" (Total cost 57 183 000 DM, or	of which a first part is envisaged as a subsidy at present				ist phase: 40%, non repayable	only phase for which a substuy as										
Total cost	133 014 000 DM	of which, a first	part of the cha	27 850 000 DM 10 845 000 E UA	`g`\	general see a	n and glasses		1 137 000 000 FB	28 283 000 EUA	of which, for the	phases	550 000 000 FB			·				
Ti+le, proposers, aims, phases, timing	Temonstration of the Chell-Kunrers		DSAG/SIPH/K-K	Construction and operation of a demonstration plant for the gasification of coal dust under pressure (30 bar)	Coal input: 150 t/day	Output: 270 000 m3/day of synthesis gas	Construction : 74/78	Operation and modification i 79/81	Belgo-German experiment on underground	gasification	INIEX/KFA	First large-scale test of a new process for	underground gasification, characterised by alternation of pressure (20 - 60 bar) of	the gasifying medium (air and oxygen) and	by the great depth of the deposit to be	medium calorific value that could be used	in a lower station with a gas turbins	berings, and gasification: 79/81	3 supplementary borings : 62/83	Casification of a second seam : $81/92$
4.0	3	01/4/78					•		27	02/1/78										

AND A CAMPAGE AND ADDRESS OF THE PROPERTY OF THE PROPERTY OF THE PARTY				
ug 02/2/78	The punder fround fasification of coal GEGS/BRGM Work complementary to project LG/02/1/78 (linking between boreholes in various seams, and the thermodynamics of the system) Geology, petrography: 79/80 Linking between borings: 79/82 Gasification processes: 80/82 Economic studies: 81/82	30 000 000 FF 5 337 000 EUA of which, for the first phase: 19 000 000 FF 3 381 000 EUA	40 % for all phases non-repayable the first phase (linking and geology) is the only phase for which a subsidy is envisaged at present	7 600 000 FF 1 352 000 EUA
03/1/78	Pilot installation for extraction by supercritical gases. NCB Design, construction and operation of a pilot plant (1 t/hr. of coal) to produce liquid products from coal by extraction under supercritical conditions (200 atm., 450°C). Subsequent distillation of the products to obtain fuels for vehicles after refining, or raw materials for the chemical industry General design: 78/80 Construction: 80/82 Commissioning and operation: 82/85	14 800 000 £ 22 194 000 EUA of which, for phases 1 and 2 7 800 000 L 11 732 000 EJA	Phase 1:40%, non-repayable Phase 2:40%, repayable if installation operated industrially The subsidy is only envisaged for phases 1 and 2 at present	3 120 000 % 4 693 000 EUA

The amounts in E.U.A. are given by way of information Rates of conversion in E.U.A. : 1 September 1978

ABREVIATIONS

DSAG	Deutsche	Shell	AG,	Hamburg	

Shell International Petroleum Maatschappij BV, Den Haag SIPM

Krupp-Koppers GmbH, Essen K-K

Institut National des Industries Extractives, Liège INIEX

Kernforschungsanlage Jülich GmbH, Jülich KFA

Groupe d'Etudes de la Gazéification souterraine **GEGS** (Gaz de France, Charbonnages de France, Institut Français

du Pétrole), Paris

Bureau de Recherches Géologiques et Minières BRGM (Services géologique national), Orléans

National Coal Board, London NCB

Proposed Council regulation on the application of Council regulation 1302/78 concerning the grant of financial support to demonstration projects in the field of alternative energy sources

The Council of the European Communities

Having regard to the treaty establishing the European Economic Community

Having regard to Council Regulation 1302/78 and particularly Article 11 thereof

Having regard to the Commission's proposal

Whereas the Council has adopted the above mentioned regulation on measures of financial support to demonstration projects in the field of alternative energy sources

Whereas this regulation foresees the adoption by the Council of measures of application concerning the financial amounts to be devoted to the said support

Whereas therefore there is a need to adopt the said arrangements

HAS ADOPTED THIS REGULATION

Sole Article

The amounts of aid to be given under regulation 1302/78 are to be inscribed in the general budget of the European Communities.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Done at Brussels,

For the Council

The President

Proposed Council regulation on the application of Council regulation 1303/78 concerning the grant of financial support to demonstration projects in the field of energy saving

The Council of the European Communities,

Having regard to the treaty establishing the European Economic Community

Having regard to Council Regulation 1303/78 and particularly Article 10 thereof

Having regard to the Commission's proposal

Whereas the Council has adopted the above mentioned regulation on measures of financial support to demonstration projects in the field of energy saving

Whereas this regulation foresees the adoption by the Council of measures of application concerning the financial amounts to be devoted to the said support

Whereas therefore there is a need to adopt the said arrangements

HAS ADOPTED THIS REGULATION

Sole Article

The amounts of aid to be given under regulation 1303/78 are to be inscribed in the general budget of the European Communities.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Done at Brussels,

For the Council

The President