

Annex I

INTERNATIONAL DATA BASE ON DEMAND-SIDE
MANAGEMENT TECHNOLOGIES AND PROGRAMMES

1. *Objective*

The objective of this Task is to establish an international data base on demand-side management programmes, analyze the data collected, and disseminate the information which results from the analysis. These activities should help utilities and governments in Participants' countries to design demand-side management (DSM) programmes which reach more customers and save more energy at lower cost.

2. *Means*

In order to accomplish the foregoing objective, Participants will carry out the following Subtasks:

- (a) Subtask I/1 Pilot Project to Explore the Feasibility and Nature of an International Data Base on DSM Programmes

Participants will assess the transferability of DSM programme results, the usefulness of existing data collection instruments and data bases on DSM programmes, and the level of interest among potential users of an international data base on DSM programmes. Participants will review existing DSM programme data bases and reports, conduct case studies on three to five DSM programmes in each Participant's country, enter programme information into data collection instruments, translate the data collection instruments into different countries' languages (at their option), and identify and contact potential users of an international DSM programme data base.

- (b) Subtask I/2 Identification of DSM Programmes for the Data Base

Participants will identify candidate DSM programmes for inclusion in an international data base on DSM programmes and will obtain brief descriptors of energy efficiency programmes being implemented in each Participant's country. To do so, they will develop a questionnaire, identify a representative sample of utilities with DSM programmes, distribute the questionnaire to the sample, collect responses to the questionnaire, and analyze the responses.

- (c) Subtask I/3 Design of International Data Base on DSM Programmes

Participants will develop data collection instruments, glossary of terms, and data base software for implementing an international data base on DSM

programmes, in order to ensure that the terms, units and measurements are highly similar or identical. The Operating Agent will conduct quality control site visits to ensure that the data collection instruments and data base software are used in a consistent fashion in all of the Participants' countries.

(d) Subtask I/4 Collection and Entry of Data on DSM Programmes

Participants will collect data on energy efficiency programmes using the data collection instruments and software developed in Subtask I/3 and will create a repository for the data collected. In particular, they will distribute a survey, collect survey responses, conduct a quality review of the responses, and enter the responses into an international data base on DSM programmes. To ensure accuracy, the data base will focus as much as possible on those programmes with measured data, though some key programmes with estimated data on energy savings, costs, and market penetration will also be included. Data collected on each programme are to include at least the following items:

- (1) Name of the sponsoring utility or government agency;
- (2) Name and type of the programme;
- (3) End-use markets covered;
- (4) Programme objectives and approach;
- (5) Energy efficiency measures being promoted and incentives being used;
- (6) Depiction of the programme as a pilot or full-scale effort;
- (7) Starting and finishing dates for the programme and the information;
- (8) Numbers of customers eligible and participating;
- (9) Number of completed projects;
- (10) Estimated power (megawatt) and energy (kilowatt-hour) savings;
- (11) Adjustments included in savings estimates;
- (12) Utility or local peak demand for the most recent years;
- (13) Direct and indirect programme costs (e.g. for consumer incentives);
- (14) Participant costs;
- (15) Equipment lifetimes;
- (16) Measurement methodologies and evaluation studies;
- (17) Related programmes;
- (18) Names, addresses, and telephone and telefax numbers of contacts.

(e) Subtask I/5 Analysis and Dissemination of DSM Programme Information

Participants will analyze information collected in the international data base on DSM programmes, prepare reports on lessons learned, and publish the reports to transfer knowledge gained within their countries. The reports will compare alternative programme approaches in Participants' countries, in order to arrive at common judgements as to which approaches are most effective, which can be improved, and which are best avoided.

(f) Subtask I/6 Updating of International DSM Programme Data Base

After the initial data collection, Participants will undertake annual updates of the data base to ensure that the data on new and existing programmes remain current. Updates will cover all data items enumerated in Subtask I/4.

(g) Subtask I/7 Promotion of International DSM Programme Data Base

Participants will promote the international DSM programme data base project on a regular basis throughout the Task, in order to ensure that it is a current and useful resource. Literature describing the data base to potential users will be prepared, and the Operating Agent will work with users to help ensure that the data base is user-friendly.

3. *Results*

Results of this Task will include:

- (a) A report on the Pilot Project pursuant to Subtask I/1 as described in sub-paragraph 2(a) above, outlining the nature of an international data base on DSM programmes;
- (b) An international data base on DSM programmes, pursuant to Subtasks I/2, I/3, and I/4 as described in sub-paragraphs 2(b), (c) and (d) above;
- (c) Reports on demand-side management programmes and programme approaches, pursuant to Subtask I/5 as described in sub-paragraph 2(e) above;
- (d) Updates to the data base, pursuant to Subtask I/6 as described in sub-paragraph 2(f) above;
- (e) Promotional materials on the data base, pursuant to Subtask I/7 as described in sub-paragraph 2(g) above;
- (f) Annual reports on progress towards sub-paragraphs (b), (c), (d), and (e) above.

4. *Time Schedule*

This Annex shall remain in force for five years, the first of which shall be a pilot phase. It may be extended by agreement of two or more Participants, acting in the Executive

Committee, taking into account any recommendation of the Agency's Committee on Energy Research and Technology concerning the term of this Annex, and shall thereafter apply only to those Participants*.

5. *Specific Responsibilities of the Operating Agent*

In addition to carrying out the specific responsibilities enumerated in Article 5 of this Agreement, the Operating Agent shall:

- (a) Establish and maintain an international data base on DSM programmes and manage the first-year Pilot Project to determine the scope and nature;
- (b) Conduct workshops to provide Participants with a consistent understanding of the information to be collected for the data base;
- (c) Provide quality control for the data base through frequent communication and periodic site visits with Participants;
- (d) Analyze programme data and disseminate DSM programme information;
- (e) Co-ordinate the data collection and analysis activities of Participants;
- (f) Prepare, review, revise, and distribute to Participants the reports specified in sub-paragraphs 3(b) and (c) above, pursuant to Subtask I/1 and I/2;
- (g) Promote the long-term viability of an international data base on DSM programmes.

6. *Funding*

- (a) *Common Fund.* A Common Fund shall be established by the Executive Committee and shall be included in the Annual Programme of Work and Budget for the purpose of funding the obligations of the Operating Agent under this Annex.
- (b) *Task Costs.* The overall five-year Budget of the Operating Agent for carrying out the management of the Annex is set at US \$1,930,000 at January, 1993 prices. Of this amount, estimated expenditure for the pilot phase of the Annex,

* This Annex entered into force on 28th October, 1993 pursuant to a decision by the Executive Committee in accordance with Article 2(d) of this Agreement.

lasting for the first year that the Annex is in effect, is US \$140,000. Estimated expenditure in subsequent years is US \$450,000 per annum. If significant changes in price levels or the scope of activities under the Annex occur, the Executive Committee, acting by unanimity of the Participants, shall consider whether to adjust the Programme of Work to the available funds or increase the Budget.

- (c) *Sharing of Task Costs.* The Budget shall generally be funded by Participants through a standard contribution of five per cent of the Budget plus a pro rata contribution based on countries' percentage contributions to the Budget of the Agency, where pro rata percentages are applied to the portion of the Budget which remains to be funded after the standard contributions are made. The Commission of the European Communities (CEC) will make a standard contribution of \$40,000 to the Budget each year. However, this formula may be modified by the Executive Committee, acting by unanimity of the Participants in the Task. The contributions of Associate Contracting Parties shall be determined by the Executive Committee, acting by unanimity of the Participants in this Annex.
- (d) *Changes in Number of Participants.* If the number of Participants changes, the shares of contributions to the costs will be adjusted accordingly by the Executive Committee, acting by unanimity of the Participants. New Participants shall pay the full share of the costs beginning with the project year in which they become Participants.
- (e) *Individual Financial Obligations.* Aside from the contributions described in sub-paragraph (c) above, each Participant shall bear all the costs it incurs in carrying out its obligations under the Annex, including the costs of collecting data on DSM programmes in its country.
- (f) *Task-Sharing Requirements.* The expected contribution of each Participant to task-sharing under the Annex is 2 person-months of effort during the first year that the Annex is in force and 6 to 12 person-months of effort during each additional year that the Annex remains in force.
- (g) *Withdrawal.* As specified in Article 12(g) of this Agreement, Participants in this Annex may withdraw by giving written Notice of Withdrawal to the Executive Director of the Agency upon termination of the pilot phase embodied in Subtask I/1.

7. *Operating Agent*

Lawrence Berkeley Laboratories (LBL), United States of America, is designated as Operating Agent.

8. *Participants in this Task*

The Contracting Parties which are Participants in this Task are the following:

The Verband der Elektrizitätswerke Österreichs (VEÖ) (Austria),
The Ministry of Energy, Danish Energy Agency,
The Ministry of Trade, Industry and Energy (Korea),
The Netherlands Agency for Energy and the Environment (NOVEM),
The Ministry of Industry and Energy (Spain),
The Swedish National Board for Industrial and Technical Development (NUTEK),
The Government of the United States of America.

* See footnote p. 28.