

# Integrated Resource Planning (IRP) in Austrian Production and Distribution Companies

A joint project of the Viennese utility (Wr. Stadtwerke-WIENSTROM), the Austrian Electricity Board (VERBUND), the Styrian Hydropower and Electricity Company (STEWEG), the municipal utility of Salzburg (Salzburger Stadtwerke) and one of the local utilities (Feistritzwerke) together with the Austrian Energy Agency (E.V.A.)

## PROJECT OBJECTIVE: IRP AS A STEP TOWARDS INTEGRATED RESOURCE MANAGEMENT

The aim of Integrated Resource Planning is to provide households as well as industry with cost-effective energy services which ensure an economical use of resources. This goal is to be reached by a mix of supply-side and demand-side options which are to be integrated into resource planning on an equal footing. The main objective of this project is to translate this goal into individual concrete steps and options for energy utilities and to sound out the possibilities for IRP on the utility level.

## MAIN STEPS

1. Development of instruments and tools to support the integration of demand-side programmes into utilities' resource planning
2. Collection and compilation of necessary data (e.g. load data, market research data, ..)
3. Identification and evaluation of concrete options, supply-side as well as demand-side, for IRP
4. Initiation of pilot programmes
5. Demonstration of the differences in results between an optimisation on the utility level and on a national level; examination of the pros and cons of IRP for different levels of energy supply
6. Exploring possibilities of sharing benefits and costs of energy conservation programmes
7. Dissemination of results and discussions aiming at a common understanding of IRP in Austria

In the framework of this project IRP includes all grid-connected energy carriers, not only electricity. The time horizon for energy forecasts and for identifying supply- and demand-side resources is 15 years until the year 2010. The framework of the project is given by the Austrian energy policy, which is focussed on renewables and energy efficiency, and by the current energy system, but is intended to incorporate major changes which emerge during the time of the project.

The utility consortium formed for the project covers all different tasks of energy supply from generation to transportation and distribution on the regional and local levels. These are optimum conditions for examining the characteristics of the Austrian energy system - such as the hydraulic-thermic

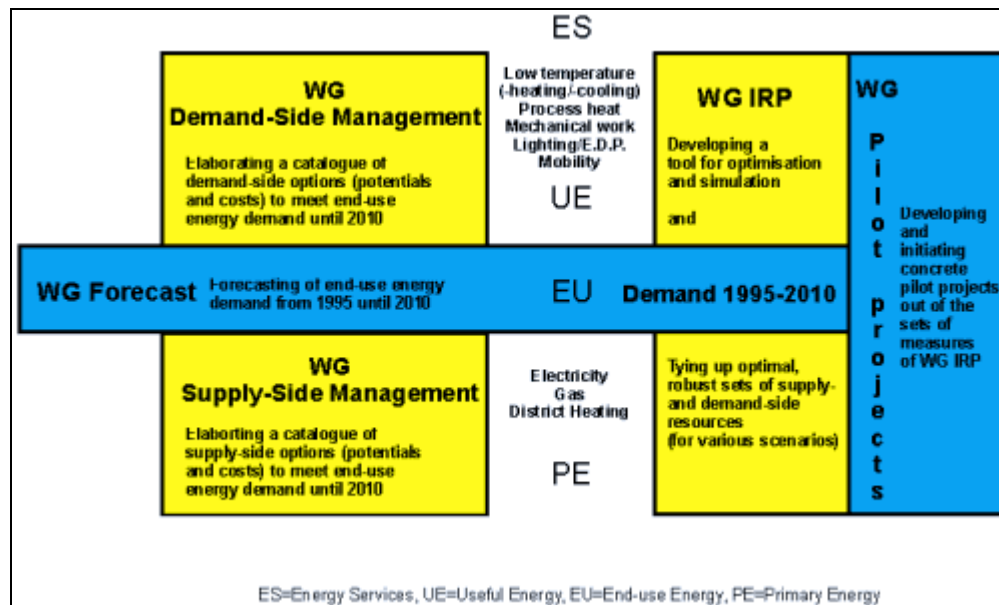
## Impressum

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generation of electricity and the distribution of energy through combination utilities - and their implications for IRP.

## PROJECT ORGANISATION

Figure: Project Organisation



More than 40 staff members of the project partners are working in several working groups (WG) on different tasks of the project (see illustration). Additionally, the working groups are supported by external consultants on specific topics. The project is managed by an Executive Committee consisting of one representative of each of the utilities taking part in the project. The overall coordination and organisation is done by the Austrian Energy Agency (E.V.A.).

## PROJECT DURATION

The project runs for 22 months. The final report is planned for the end of September 1997.

## PROJECT FINANCING

The project is financially supported by the European Commission's SAVE programme (Specific Actions for Vigorous Energy Efficiency).

## Impressum

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## PROJECT-INFO

**Projectname:**

Integrated Resource Planning (IRP) in Austrian Production and Distribution Companies

**Project-Manager:**

Waltraud Schmid

**Project-Partners:**

Wiener Stadtwerke - WIENSTROM

VERBUND

STEWEG

Salzburger Stadtwerke AG

Feistritzwerke.

## PUBLICATIONS

**Progress Report to DG TREN**

October 1996 (Projektzwischenbericht in dt. und engl.)

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