



Overview

Not so very long ago, the people of the Tennessee Valley were confronted with under-utilized natural resources, uncontrolled flooding, and economic hardships. By applying the lessons we've learned in developing an entire river system, we can help, even under



the most challenging of circumstances. The result will be sustainable development: expanding economic growth, long-term resource protection, and an improved quality of life.

TVA's Integrated Resource Management Team provides skilled leadership and first-hand knowledge of multipurpose project planning and development. Our organizational strengths include:

- Experienced leadership: We can customize a team of experts who are prepared to respond quickly to your needs. Scientists,



engineers, and proven leaders in many other disciplines stand ready to provide backup support.

- **Scope of services:** With the flexibility TVA offers, we can do everything from facilitating your interactions with lending institutions to helping you garner the public support you need to go forward with your project.
- **Team approach:** We'll work closely with your counterparts in other countries, governmental departments, or ministries to develop a partnership effort that will maximize benefits by cutting across all types of boundaries.
- **Environmental ethic:** Our people understand the intricate relationships between resources—how land use affects water quality, for instance—that can prove so valuable in multipurpose project planning.
- **International reputation:** TVA holds a well-deserved position of esteem in the global community—over 100,000 visitors from 180 foreign countries have come to us to take advantage of our expertise.



- Similar backgrounds: Because we operate an integrated resource management system ourselves, we are better able to understand the problems you face. With decades of experience in dealing with complex political, cultural, and environmental issues, we can see these projects from your point of view.

Expertise

Areas of integrated resource management in which TVA has developed leading-edge expertise include:

Water Resource Planning and Management

TVA has over seven decades of experience in the development of multipurpose water resource projects and is world-renowned for its work to optimize the potential uses (i.e., power, flood control, navigation, and recreation) of water resources. Since the 49 dams





within the Tennessee Valley are operated as an integrated system, TVA has long served as a national model by providing innovative solutions to reduce flood damage and improve navigation within the Tennessee Valley region, while ensuring compatibility with other natural resource, environmental, and sustainable development objectives.

Land Resource Planning and Management

Effective land-use planning and management are essential to the protection and enhancement of a region's resources. TVA specialists identify, assess, and plan for social, economic, and environmental effects associated with proposed land uses and development projects early in the integrated resource planning stages.

TVA-owned land includes narrow bands of shoreline used for the public interest. TVA uses its land holdings to protect and manage threatened and endangered species, critical wetland habitat, scenic areas, and extensive cultural resources—all consistent with federal mandates.



Power Production Planning

The successful modernization of power production involves combining and sharing the diverse values of both energy and non-energy



resources through a unified and cooperative approach to achieve common, long-term regional development objectives. Power management within an integrated framework involves developing and promoting the most-effective and efficient ways and means of utilizing electricity and other forms of energy,

demonstrating innovative technologies, and protecting the environment.

Environmental Planning and Management

TVA conducts clean-up, protection, and enhancement projects in collaboration with all river system stakeholders to ensure that land, streams, rivers, and reservoirs are ecologically healthy and biologically diverse.



Economic Development Planning

TVA's economic development specialists initiate and support opportunities for Valley businesses as well as assist local communities with development programs. Economic development considerations are factored into all multipurpose projects and integrated resource management activities.



A Global Perspective

TVA is recognized internationally as a leader in electrical power generation and transmission, as well as river management. Projects include:

- Studies in hydro development in India and technical assistance for upgrading the hydro system in the Republic of Georgia
- Consultation for water quality issues for Austria, Russia, Thailand, Venezuela, Jordan, India, and China



- Consultation in electrical generation capacity expansion and transmission systems for Israel
- Cooperative study for a least-cost expansion program for the Zimbabwe Power System

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