

# Effects of Renewable Energy Sources

## Sustainable Energy Its Effects, Laws, and Policies

### Introduction

Traditional energy sources based on coal, gas, and oil are particularly beneficial for strengthening a nation's economy. However, certain negative environmental repercussions have compelled us to utilize these resources to a certain extent, which has caused us to focus more on renewable energy sources. By employing renewable energy sources, which are said to be ecologically beneficial and have little to no exhaust emissions and harmful gasses like carbon dioxide and sulfur dioxide, among others, the social, economic, and environmental difficulties may be avoided.

Since we can continually produce useful energy with these techniques, renewable energy will play a major role in power generation in the near future. The appropriate use of the renewable energy system may lead to the creation of public jobs, better health, work growth, work formation, consumer choice, an improved quality of living, social relationships, income development, demographic impacts, and community development. In addition to their many benefits, renewable energy sources are hard to construct and highly dependent on the climate and environmental factors in the area. In contrast to other projects, they require more planning, thinking, and experience for their modeling, implementation, and preparation.

### Objectives

**After completing this program on the Impact of Renewable Energy Sources, participants will be able to:**

- Recognize the primary characteristics of the renewable energy source.
- Analyse the effects of using renewable energy.
- Recognize the obstacles facing sustainable energy technologies.
- Create a business plan, rules, and guidelines for renewable energy sources.
- Conduct useful evaluation research

### Training Methodology

A variety of proven adult learning techniques will be used in this training session on the impact of renewable energy sources to guarantee that the material is understood, retained, and interpreted as best it can be. They mostly consist of appropriate PowerPoint slides that have been thoughtfully created to provide all the information needed for a thorough understanding of the corresponding theoretical and practical areas.

Additionally, reasonable examples are given to help you better comprehend each subject's main ideas. There will be a set of notes that includes an enlarged list of references as well as all of the presentation slides. A little project should be completed by the participants.

## Organizational impacts

**Putting money into each employee benefits the business as a whole, which can increase revenue. When technical training programs are supported or provided, participants will comprehend the following advantages:**

- Boost the team's collective knowledge
- Increase the level of work satisfaction among employees
- Increase the group's knowledge base and foster a stronger feeling of unity
- Create and sustain zeal, but it also motivates loyalty
- Facilitate the process of succession planning

## Personal Impact

**After completing this training session on the "Impact of Renewable Energy Sources," learners will be able to:**

- Address technology related to renewable energy sources. Recognize the effects of alternative energy sources
- Able to remove obstacles for innovations using alternative energy
- Evaluation of policies, rules, and planning pertaining to renewable energy sources
- Gaining knowledge and broadening one's perspective on renewable energy sources

## Who should attend?

Managers in any size or industry who need to grasp the difficulties around renewable energy sources technology should take this course. The training equips managers, engineers, and team leaders with the know-how to oversee business strategy, operations, and grid effects connected to renewable energy.

- A wide range of professionals can benefit substantially from the Course N Carry Impact of Renewable Energy Sources training course, but they will especially benefit from:
- Experts in Renewable Energy
- Regulating Authorities' experts
- Experts from Businesses Working on Renewable Energy Installation Projects
- Power System Advisors

## Course Outline

### Day 1

#### Introduction of Sustainable Energy Sources

- Introduction: Why should we use renewable energy?
- "Sustainable energy resources": what are they?
- What uses exist for renewable energy?
- Key characteristics of renewable energy systems
- Technologies for alternative energy face obstacles

### Day 2

#### The Effect of Renewable Energy Sources on Society

- Social effects in relation to alternative technologies
- Effects on health
- Effects on learning
- Effects on the development of rural areas
- Impact of culture
- The social effect of renewable technology

### Day 3

#### The Effects of Renewable Energy Sources on the Environment

- Energy life cycle applications and greenhouse gas emissions
- Pollution of the local and regional air
- Use of land and water

## Day 4

### Impact of Renewable Energy Sources on the Economy

- The price of renewable energy
- Investments in clean energy
- Benefit directly from reducing the price of conventional fuel
- Preserving a deployable resource having an external value
- Local employment are created by renewable energy
- Growing the unsubsidized private industry

## Day 5

### Organizing, Talking About, and Recap

- Overview of World Wise's use of renewable energy sources Technical constraints
- Regulations pertaining to the shift to renewable energy
- Organizing and tactics
- Renewable energy regulations
- Provide an overview and conclusion.