Institute for Capacity Development (ICD)

22 Hamutenya Wanahepo Ndadi Street, De Jager Building, Olympia | P O Box 10193, Khomasdal, Windhoek, Namibia|
Phone: +264-61-401445 |Cell: +264816303279, +264813866883 |Fax: +264-61-401446 |E-mail: coordinator@icdtraining.com|

Planning and Management of Energy Resources

Course Objectives

On successful completion of this course participants should be able to:

- Link energy demand to the development process
- Design energy plan for an ideal community
- Understand the wider social, economical and physical environmental contexts of energy supply
- Carry responsibility in the execution of project and routine activities in the field of energy supply
- Provide substantial technical and managerial inputs in Master planning, design and operation and maintenance
- Participate in feasibility studies and master plans to support energy saving technology selection.

Target Groups

- Energy engineers, analysts, managers and auditors
- Chief sustainability officers
- Demand-side management auditors and managers
- Architects
- Construction planners and designers
- Agency and facility managers
- Development planners

Course Outline

- Institutional management principles
- Understanding Energy use
- Renewable and non renewable energy sources
- Energy provision and economic development
- Energy and the environment
- Enrgy Planning and sustainable development
- Energy planning tools and techniques
- Data requirements for energy planning – energy needs analysis, gender
- Methods and tools for energy data collection
- Research and design on energy systems
- Monitoring and evaluation, institutional aspects of energy planning
- Energy Project Cycle planning
- Enabling energy markets
- Renewable energy sources – Solar, biomass, wind
- Components of energy management--supply, demand, regulation and environment
- Energy conservation methods and techniques
- Auditing and economic analysis
- Management control and maintenance systems
- Sustainability and high performance green buildings
- Alternative energy systems
- Lighting and electrical management

- Natural gas purchasing
- Thermal storage
- Codes and standards
- Utility deregulation and energy systems outsourcing
- Energy security risk analysis methods
- Financing energy management projects
- Challenges in energy development
- Database management
- Action planning

Dates:	16th – 27th April 2018
Duration:	2 Weeks
Tuition Fee:	US$2850
Venue:	Windhoek, Namibia.