

## ECREEE / CESC TRAINING THE TRAINERS COURSE ON CLEAN ENERGY PROJECT ANALYSIS WITH RETSCREEN 4

- Title:** Clean Energy Project Analysis with RETScreen 4
- Location:** Webinar (high-speed internet connection required)
- Dates:** Tuesday, March 22, 2016 and Wednesday, March 23, 2016 (in English)  
Tuesday, March 29, 2016 and Wednesday, March 30, 2016 (in French)
- Time:** 10 AM to 5:30 PM UTC (GMT)
- Instructor:** Michael M.D. Ross, *RER Energy Inc*
- Audience:** Policy and project analysts; engineers
- Prerequisites:** Previous exposure to or use of RETScreen 4 ([www.RETScreen.net](http://www.RETScreen.net))  
RETScreen 4 and MS Excel (2003, 2007, 2010, or 2013) installed and operating  
Previous experience with clean energy projects
- Objectives:** To improve the analyst's ability to assess the technical and financial viability of renewable energy and energy efficiency projects through the use of RETScreen 4; to understand how to use this tool for policy analysis;
- Description:** The course will consist of a combination of presentations and case studies. The case studies will be provided to the participants such that they will have the opportunity to work through them using the RETScreen 4 software. The instructor will be available to answer questions and assist the participants. At the end of each case study, the instructor will present a solution to the case study for participants to compare against their own work.

## **Day 1:**

10:00-10:10 Introduction to course

10:10-10:30 Introduction to prefeasibility analysis

10:30-11:00 Review of the use of RETScreen 4: on-grid PV system example

11:00-12:00 Case Study 1: on-grid PV system

12:00-12:30 Lunch

12:30-13:00 RETScreen 4 with off-grid power systems

13:00-14:30 Case Study 2: small off-grid PV system

14:30-15:00 Break

15:00-17:00 Case Study 3: isolated village PV system

17:00-17:30 Questions and Discussion

## **Day 2:**

10:00-11:00 Hydro project and wind project examples

11:00-12:00 Case Study 4: Participant's choice - hydro project or wind project

12:00-12:30 Lunch

12:30-13:30 Case Study 4 continued

13:30-14:00 Lighting energy efficiency

14:00-14:30 Case Study 5: lighting energy efficiency

14:30-15:00 Break

15:00-15:30 Energy efficiency projects with RETScreen 4

15:30-17:00 Case Study 6: Participant's choice: energy efficiency or solar hot water

17:00-17:30 Questions and Discussion