



Think Cycle Consulting

Planning for Solar Power



Technical, Environmental and Financial
Factors for Decision-Making

14 - 16 March 2023

Kuwait

The Idea in Brief

Solar energy is touted by some as a clean energy source, the cure for carbon emissions and the easy way out of the climate change-carbon mess. Solar panels produce no direct carbon dioxide emissions and sunlight is free. But there are limits, imposed by the laws of physics, on solar power generation and there are hidden costs that must be calculated and considered.

The decision whether to invest in solar power requires an understanding of the laws of physics and a thorough cost-benefit analysis, to capture the full cost to purchase, insure, operate, maintain, and ultimately, dispose of the solar power system at the end of its useful life. If you are considering a transition to solar power, you will need a credible plan, to establish priorities and force transparency into the debate, allowing everyone to see the costs, the trade-offs and the values involved in such a transition.

Program Objectives

This three-day workshop is for project engineers, investment managers, environmental and sustainability managers and members of strategic planning and risk management teams at energy companies and financial institutions.

The program covers principles and practices critical to assessing the feasibility of switching to and investing in solar power generation. At the conclusion of the program, delegates should be able to:

- Identify factors impacting energy intensity and energy efficiency
- Identify two limitations imposed by the laws of physics on solar power generation
- Identify the advantages and disadvantages of perovskite solar cells
- Apply the Barrel of Oil Equivalent (BOE) concept to calculate and compare the energy content of various fuels
- Perform a Levelized Cost of Energy (LCOE) calculation to compare technology options
- Identify costs associated with various energy storage technology options
- Calculate the size of the solar power system to power the average home
- Identify factors impacting the solar waste problem and the End of Life (EOL) challenge

Event Information

Date : 14 - 16 March 2023

Location : The Palms Beach Hotel

Workshop Leader: Ali Agha

Investment per delegate: \$1550.00 USD

How to register :

By email: Info@think-cycle.com

Online: <https://think-cycle.com/planning-for-solar>

As president of Think Cycle Consulting, Ali has worked with executives on identifying and mitigating emerging risks and focusing attention on market areas where value and vulnerability converge.

