

# OASIS Book Reviews

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Today's Presenter

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# Green Illusions

*The Dirty Secrets of Clean Energy and the Future of Environmentalism*

by Ozzie Zehner

source – [blinkist.com](https://www.blinkist.com) (image from [blinkist.com](https://www.blinkist.com))



## In this brief overview

- BioFuel - good or not really?
- Feeling Lazy? You might be saving the planet!
- Is solar energy really helping w climate change?

# Fossil Fuel & Nuclear Power

# These are not good for us & we know that

## Limited

Oil, Coal and Uranium are limited

We are going to need energy forever!

## Coal

We have to burn it for energy – so bad for us

½ of US & 80% of China's Electricity

## NuKilar

Better than Coal but more Dangerous

Accidents in reactors – to storing spent fuel

# Alternatives are better choices

# Yeah, but they have **DANGEROUS** issues too

## Choices

Solar, Wind, Water, Hydrogen, Biofuel

Goal: reduce CO2 & Global warming

## Types

Renewables & Re-growables

**How sustainable are these?**

## Regrow?

Firewood – burn & but re-grow for later

Bio-mass/gases/alcohol/diesel ~ 5% needs



# Re-growables & Renewables - continued

## Risky?

Farmers Stop growing food = High food \$\$  
+ farms, - rain forests => global warming

## Renewable

Plenty of it – Solar & Water power

Solar cell = NF3 – 17k times > CO2 >11%/yr

## Hydro

Much better – and sustainable – 15% WW

Water is limited and creates Conflicts

# Sustainable Sources,

# Yet unsustainable!

# Producing equipment & processing is tough

## Hydrogen

Seems perfect – emits PURE water!

Producing H fuel uses more energy!

## Wind

Wind is definitely renewable and FREE

Turbines – Make/Move/UpKeep/Dispose

## Space

Best Places to place Turbines is limited

Studies show more Net increase in carbon

# Looking for solutions

# Buying into the hype – we ignore side effects

## Why?

Keep up using more resources – ‘but green’  
Let the scientists and engineers figure it out

## Truth

Reality – use less resources – less energy  
No one wants cold showers, or no A/C

## Hopes

Myth ‘Tech’ = +economy & save the planet  
Just an illusion: no car can run on nothing

# Green Marketing Or Fake News?

# Promoting a non existent Alternative energy

## Solution

Media, Politicians & Companies push this  
Just Green Marketing to sell us on that

## News

**No research, just rewording releases given**  
Not this vs that, look at simpler solutions

## Real Problem

**Treating the symptoms, Ignoring the Disease**  
**++ Efficiency = Easier & Cheap = More Usage**  
**More Productivity vs Reduce Need for it ALL**

Consume More =>  
Spend More =>  
Earn More =>  
More energy



# Consume Less for Your own Benefit

## Cycle

Consume more = we spend more energy  
Our Present Behavior Impacts Us in future

## Europe

**US – Consume more = Spend = Work more**  
US vacation time down 28% past 2 decades

## Government

Decrease energy usage to moderation  
Tax Products Not Income: CA: shows it works  
Smart packaging – Ban Junk Mail

# Better Solutions

# Social Policies & Greener Living

## Women

Educate & Empower Women => Best Results  
Our Present Behavior Impacts Us in future

## Ads

**Ban ads for kids – as in Sweden 3 decades ago**  
In 1970 US FTC/FCC tried but Lobbyists won

## Benefits

Swedish kids use and need less things/gifts  
Living in Cities is better than in the suburbs  
Design cities to promote biking and parks

# Summary...

- \* We know resources are limited
- \* We want to go green, but is it a good trade off?
- \* Better tech, simply increases resource drain
- \* Real consequences are not reported correctly
- \* Maybe raise taxes on products – not on income
- \* Use less stuff, work less, vacation more
- \* Maximize resource usage, build more parks & Bike