

Constraints to Solar Technology

Problem:

Increasing Energy Consumption and Decreasing Energy Resources



Constraint: Limitation or Restriction

Possible Constraints:

- Infrastructure
- Materials Supply
- Labour
- Government
- Costs

Solutions:

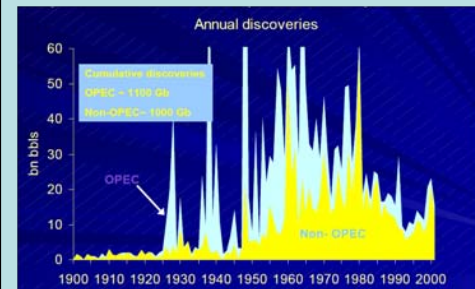
- Local power generation on rooftops
- Grid power generation – abandoned fields
- Silicon supply is virtually unlimited
- A new industry would cause an increase in jobs
- Labour can be specialized
- Possible government subsidies
 - Gov't subsidies have been crucial to every industry
- 20,000 km² of barren land in USA
- On average, an American's disposable income is \$34,753

Problems:

- Strong Lobbying for the oil industry
- Large initial investment
 - Rely on Gov't subsidies

Consequences

- Ideally, Solar technology can be a leader in 4 years.



- Industries usually take longer to establish but we can assume that solar will establish faster than oil
- Greener society
- New Industry → employment, money

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