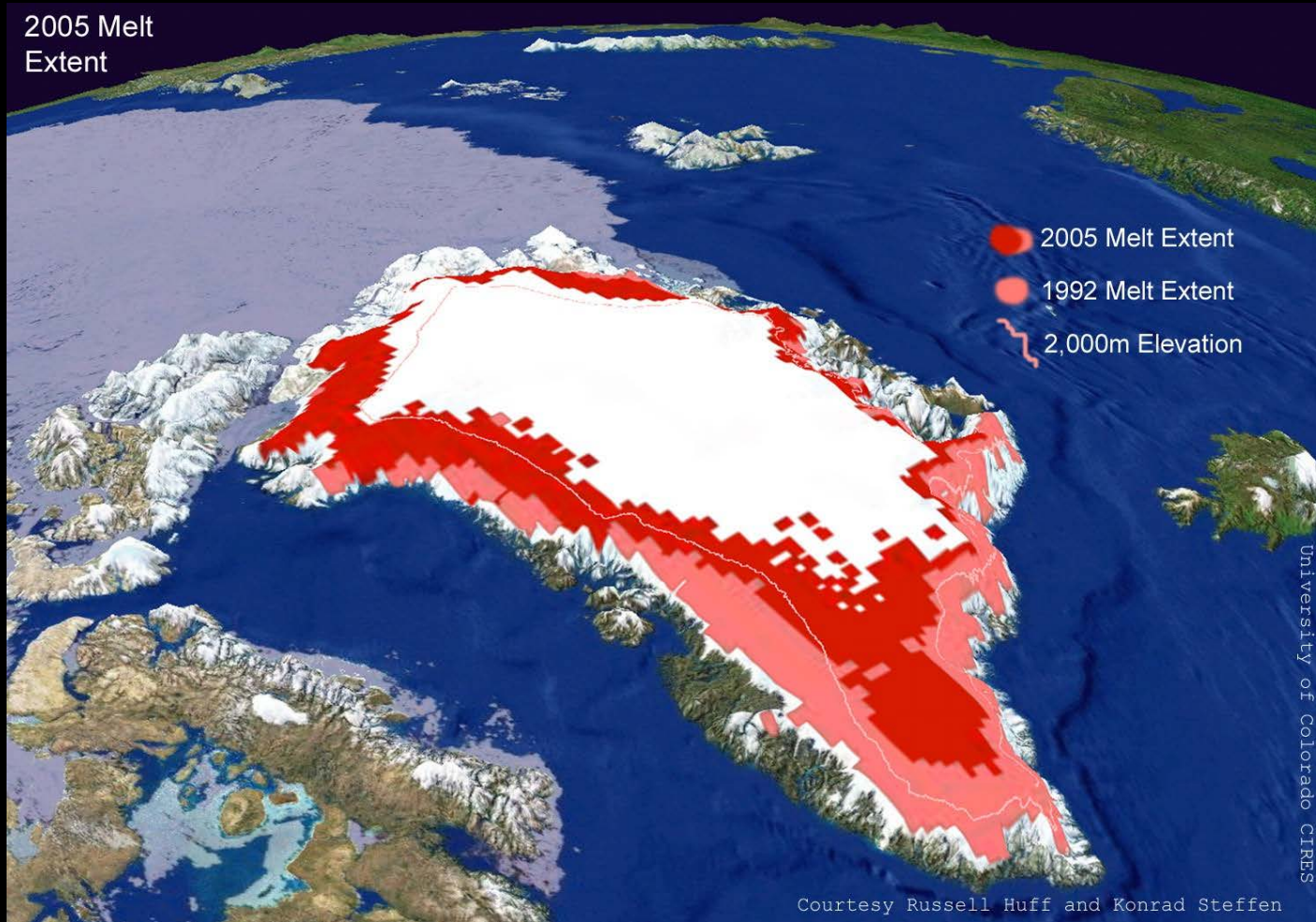


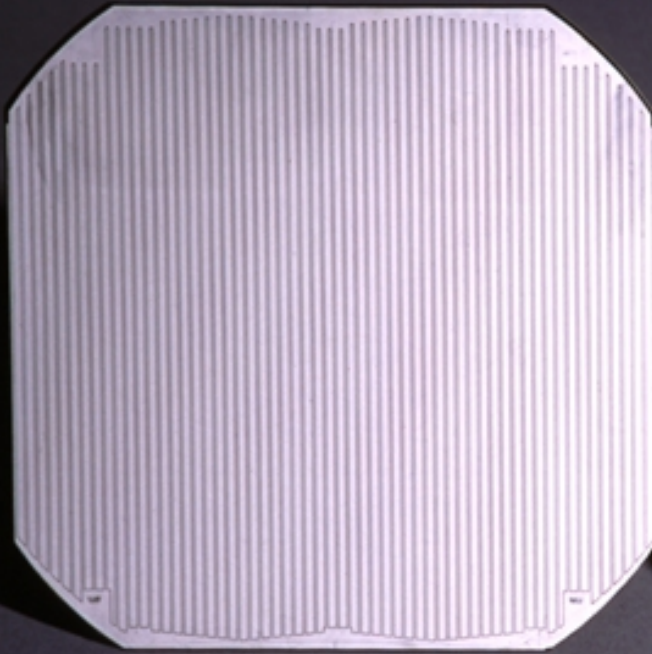
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Greenland Ice Melt Accelerating

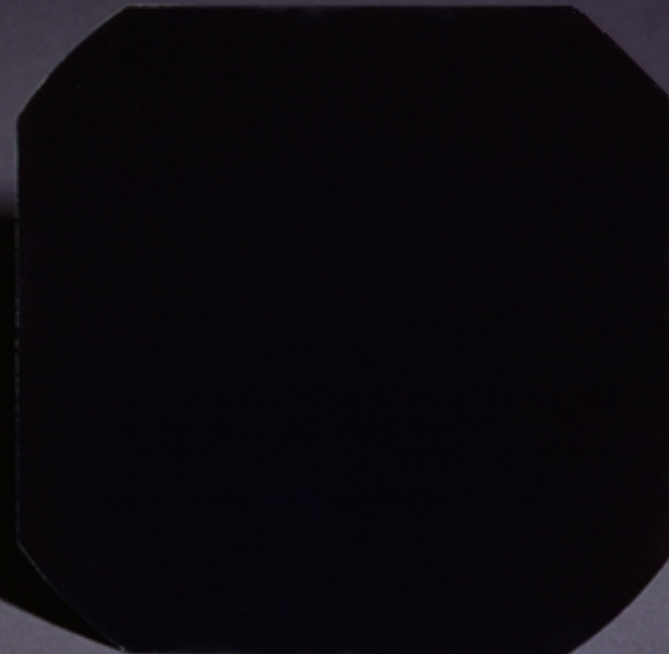


- SunPower
- Future of PV

The A-300 Solar Cell

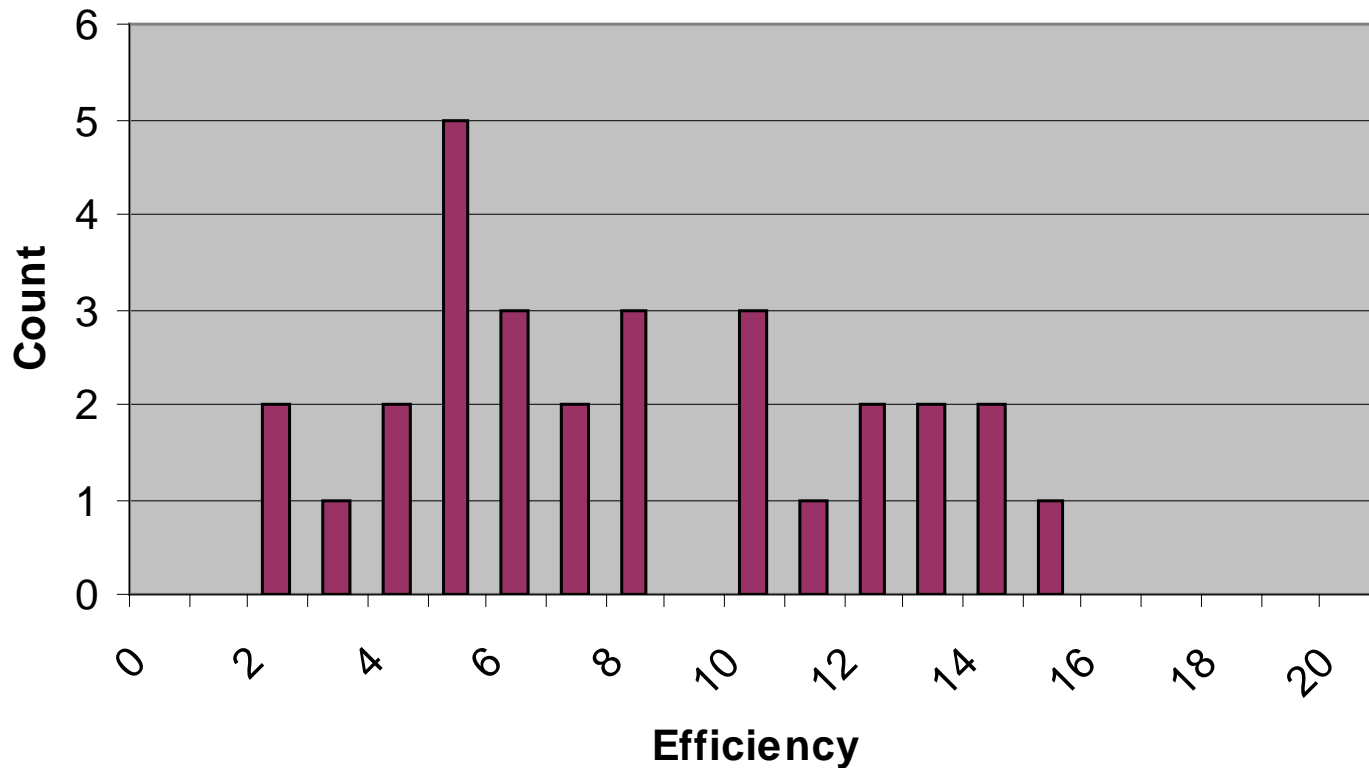


Back Side



Front Side

First two CTI Beta lots, Efficiency distribution

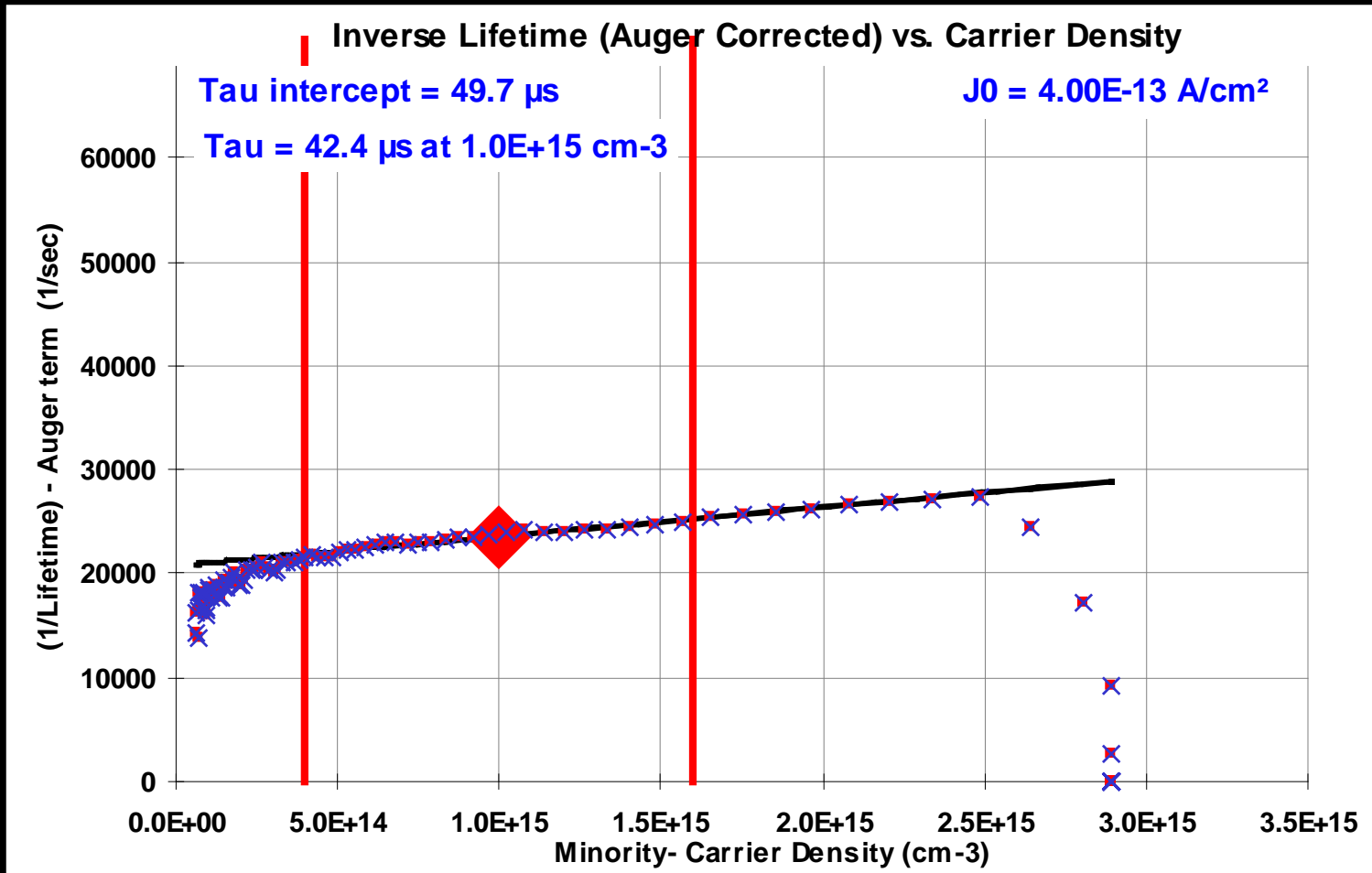


SUNPOWER Dr. Bill Mulligan, VP Technology





Peeling Metal At First



Greater than 2,000 μs today



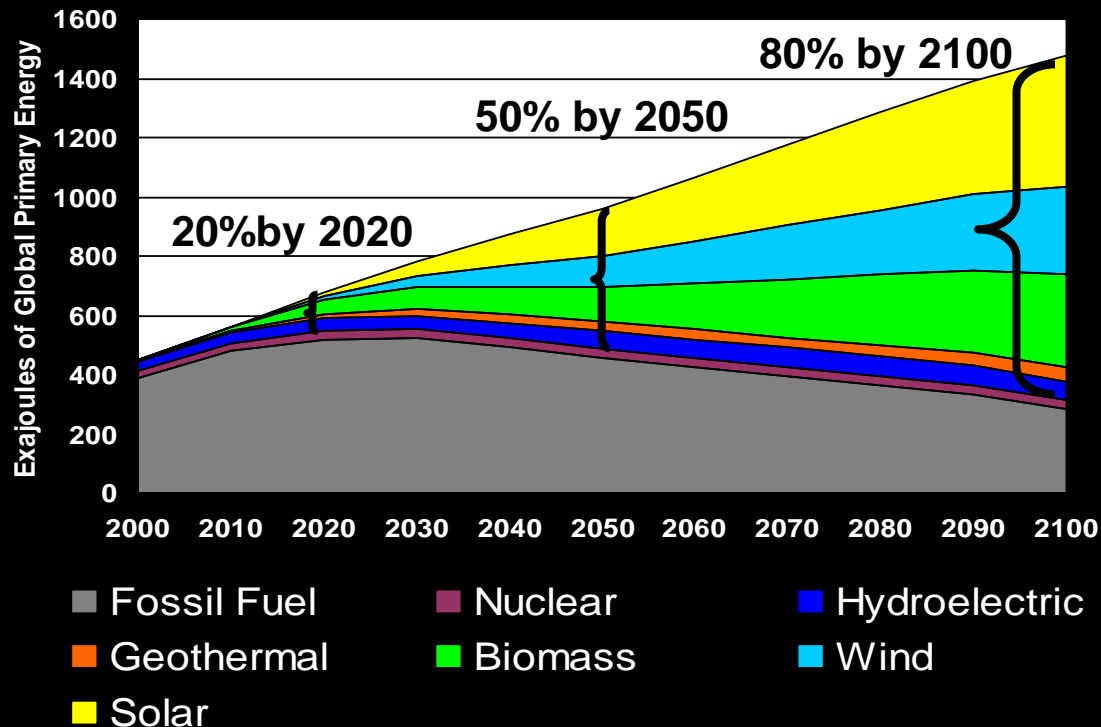
The Polarization Fix

SUNPOWER

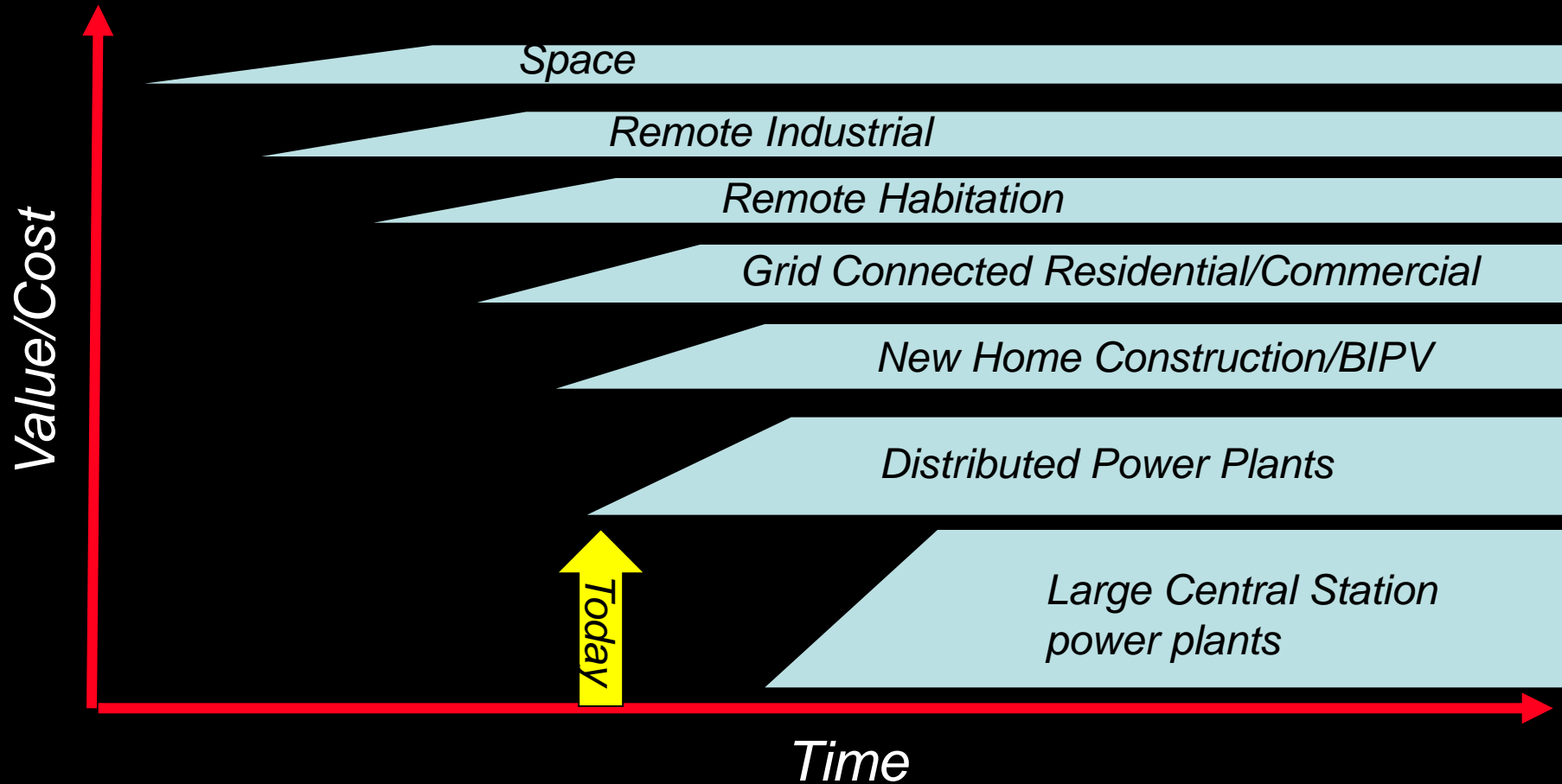
It Works!



Renewable Energy Growth Can Achieve 550 ppm Atmospheric Carbon Stabilization Target



Source: Don Aitken adapted from Bull and Billman, NREL 2004



Typical Solar System Installation

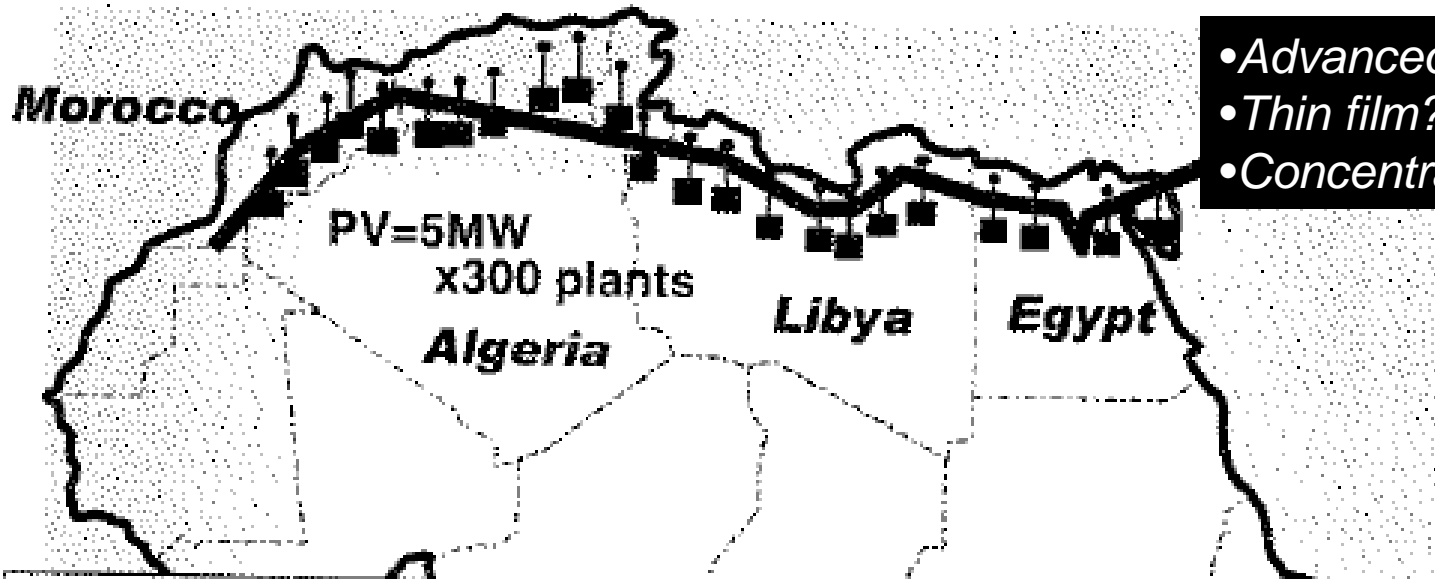




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The Terrawatt Future

- Advanced Crystalline?
- Thin film?
- Concentrating PV?



Delivered Electricity Cost (US cents/kWh)

Transmission distance	Annual utilization factor			
	6 000 h	2 500 h	2 000 h	1 500 h
1 km	-	0,05	0,60	0,08
5 km	-	0,19	0,23	0,31
10 km	-	0,37	0,47	0,62

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Roughly \$30 billion in incentives are needed to develop PV into fully cost effective source of renewable energy

Where will this come from?

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The developed world spends \$1 billion in subsidizing its farmers

Per day!

Let's create a new field of energy farming by siphoning off 1% of this subsidy to help food farmers also become *energy farmers*

Please join me in helping this become a reality
rswanson@sunpowercorp.com

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Television for 1st Time

