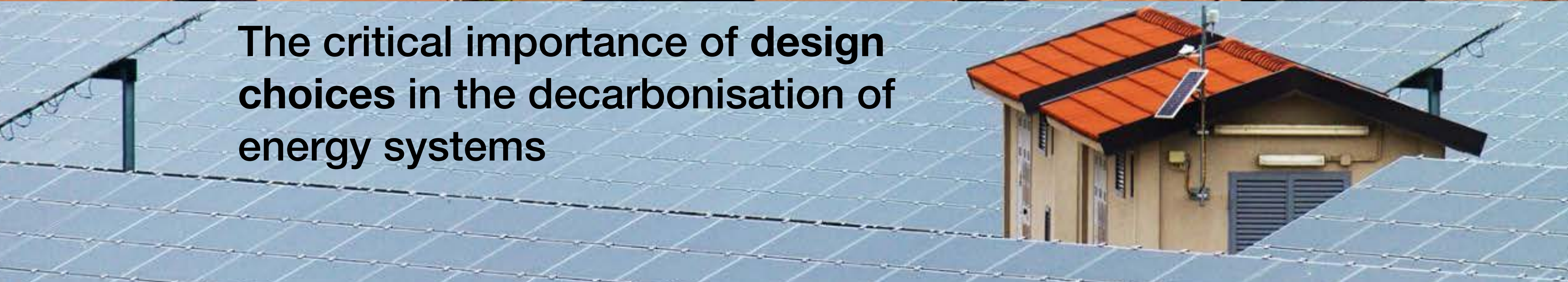




Which Future Will We Build?

The critical importance of design choices in the decarbonisation of energy systems



Clark A. Miller
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What's going on here?



**There are
many
possible
carbon-
neutral
futures**

**The choices we make will have
profound implications for:**

The future of planetary ecosystems

**The choices we make will have
profound implications for:**

Global political economy and security

**The choices we make will have
profound implications for:**

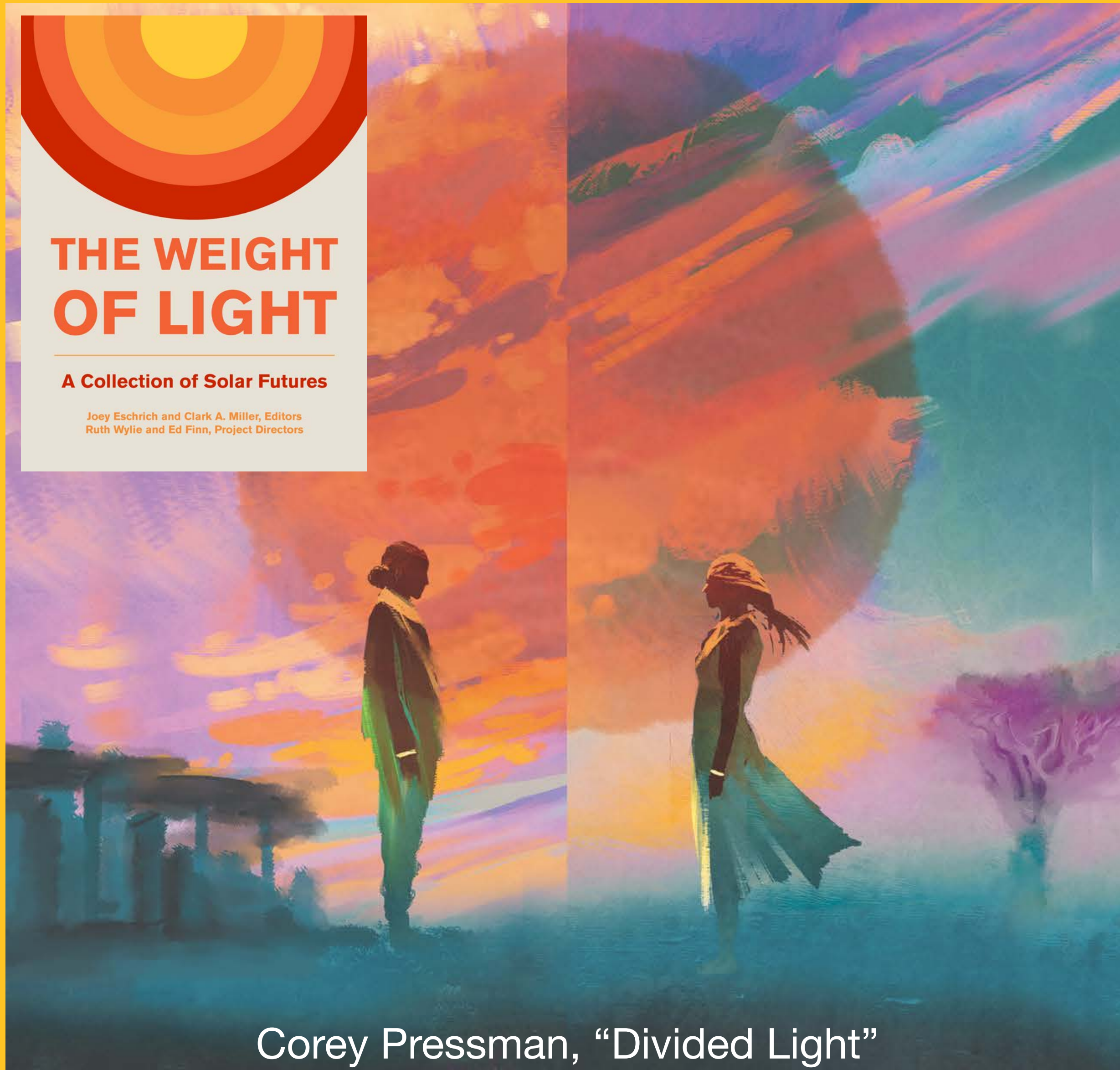
How we live and work each day

**The choices we make will have
profound implications for:**

Who and where we sacrifice

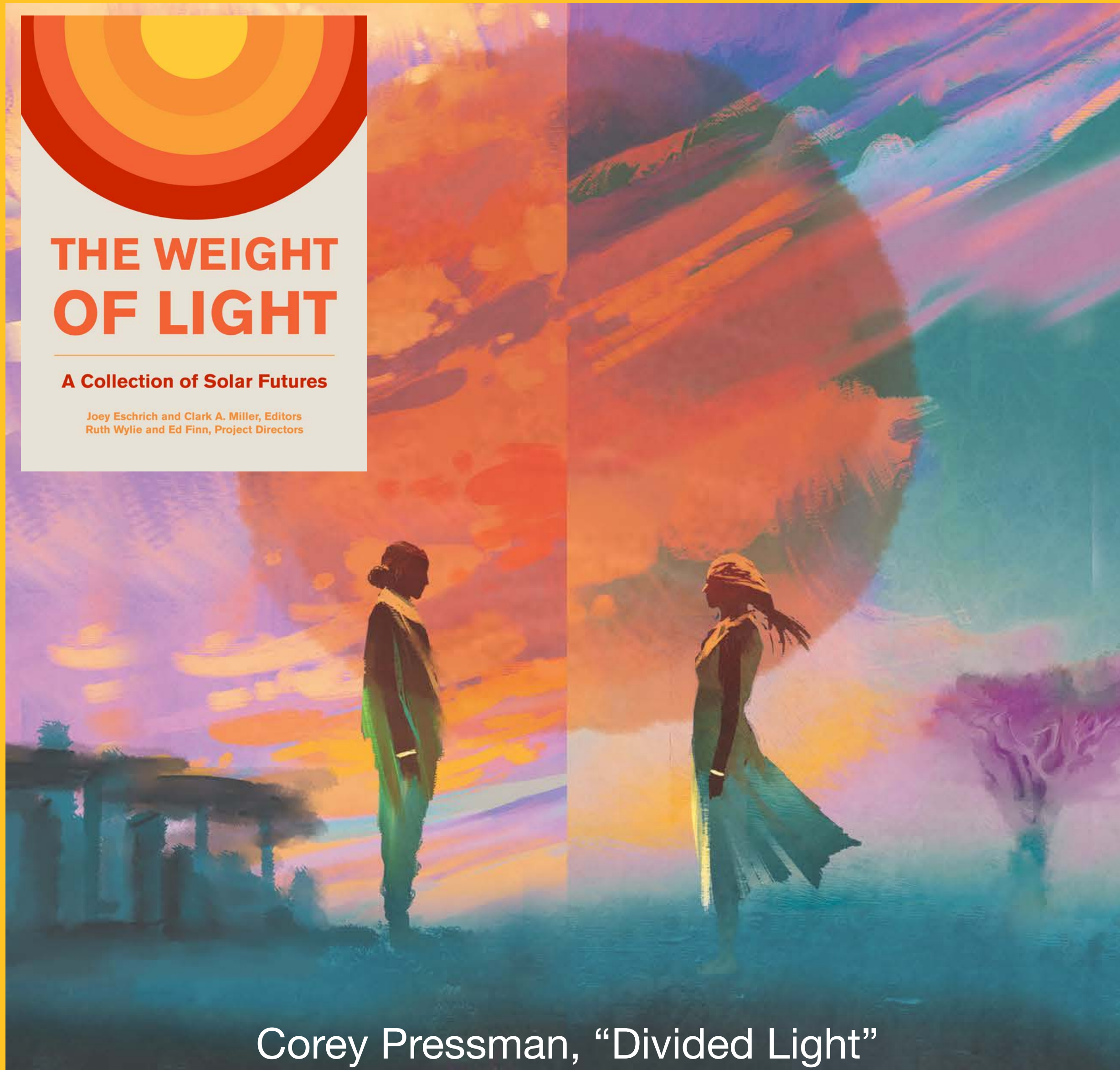
**The choices we make will have
profound implications for:**

And so much more ...



**We have a
unique
opportunity and
responsibility to
re-design the
human
relationship
with technology**

Corey Pressman, "Divided Light"



**And with it our
relationships
with each other
and with the
world around us**

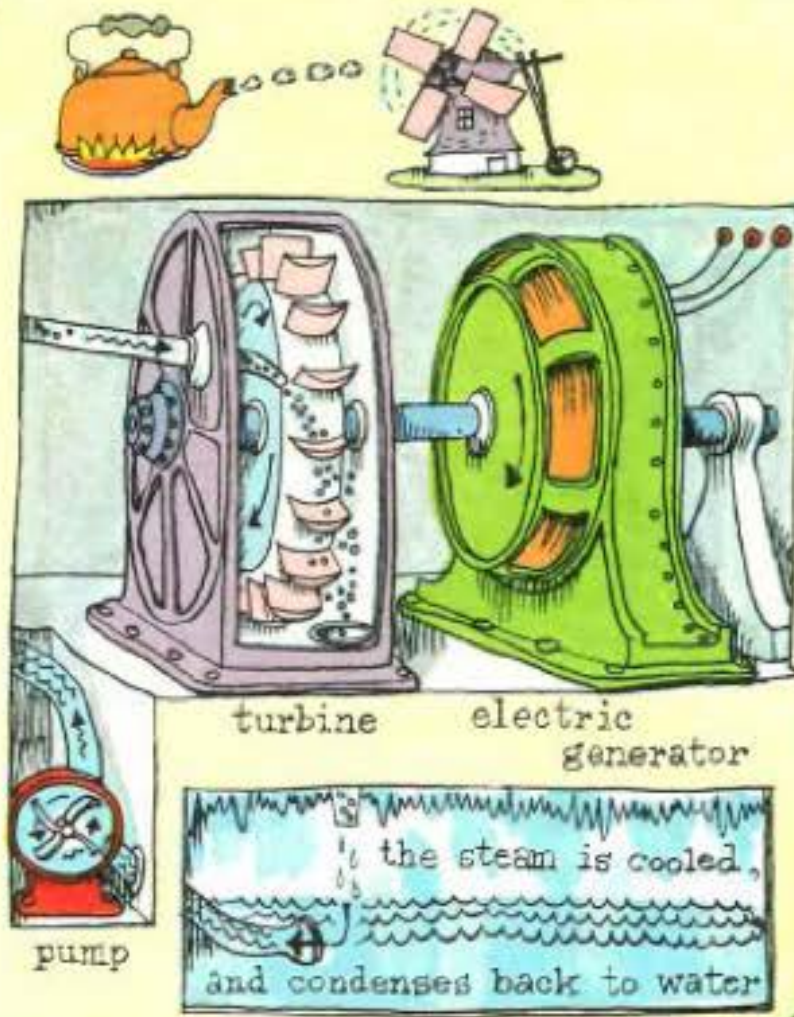
By burning coal, we are able to make electricity work for us. The electricity lights our homes. That is why we call coal "buried sunlight." There is electricity in everything. But it is not useful to us until it is moving. Coal helps to make electricity move.

The steam forces the turbine to turn, just as the wind moves a windmill. This turbine turns the electric generator that forces the electricity to move. This moving electricity is called an electric current.

A train brings the coal to the electric power plant.



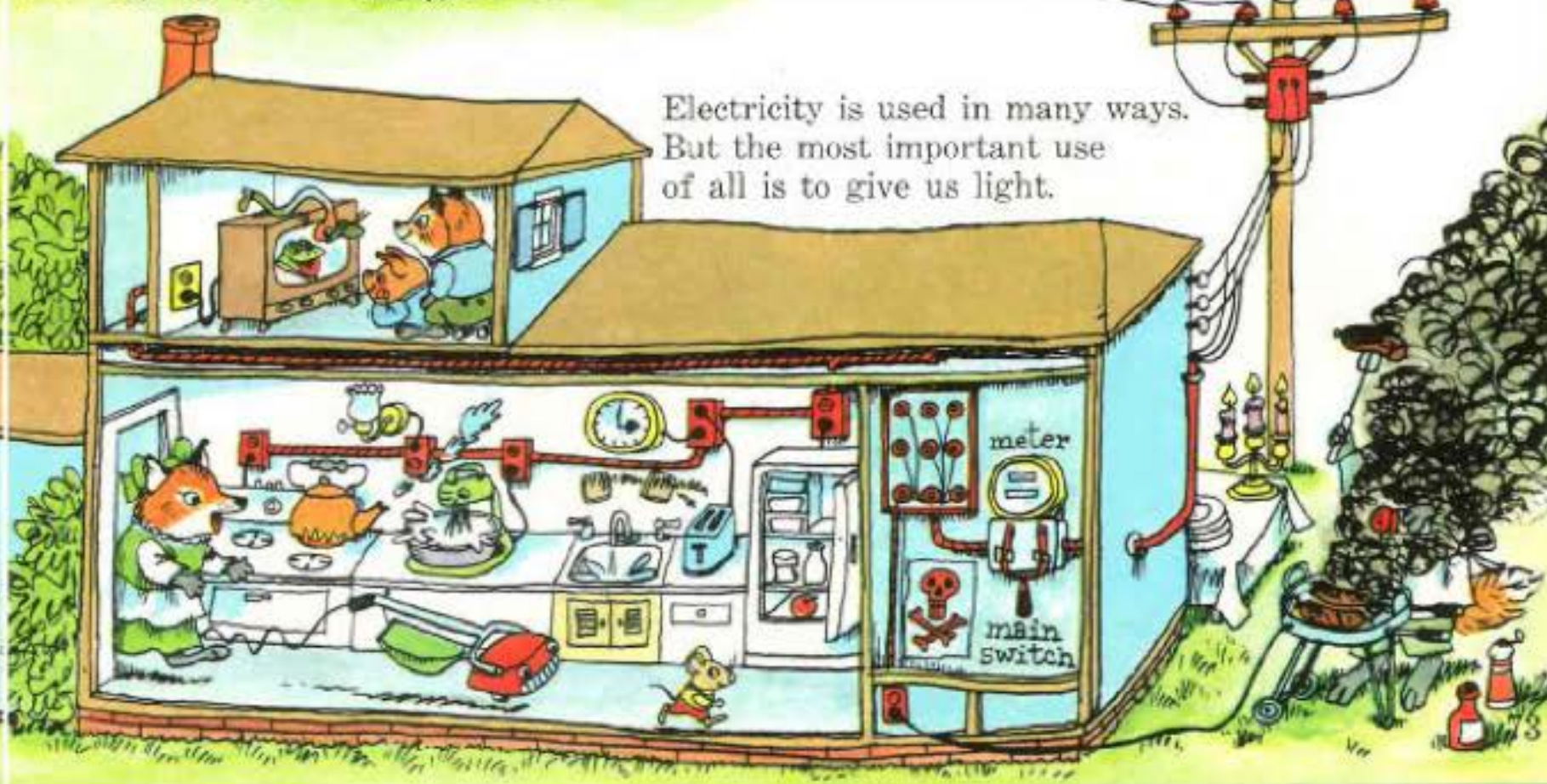
The coal is burned in the boiler to heat water. The heat turns the water into steam. The boiler works like a tea kettle.



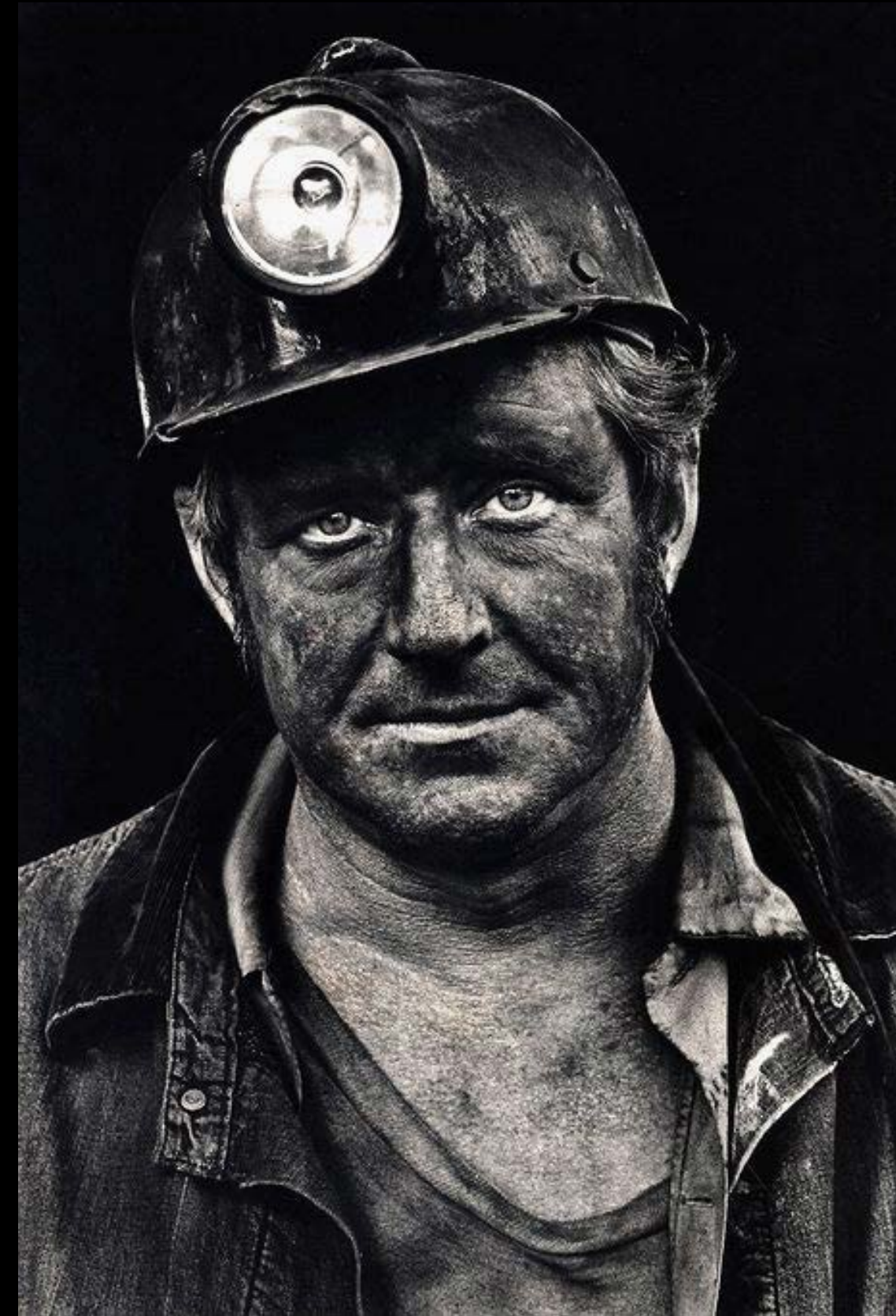
The electric current travels through wires into our homes.



Electricity is used in many ways. But the most important use of all is to give us light.



The energy system is core to how we have recreated ourselves



To redesign energy is, once again, to re-make who we can be

**Now is the moment to privilege
the human capacity to imagine
resplendent futures**

**Now is the moment to privilege
critical inquiry into the meanings and
impacts of techno-human systems**

**Now is the moment to privilege
democracy and justice in the
making of technology**

An aerial photograph of a suburban neighborhood. The houses have brown roofs, and many of them have large, rectangular solar panels installed on them. The houses are arranged in a grid-like pattern with some greenery and trees between them. The overall scene suggests a focus on sustainable energy in residential areas.

What's going on here?

Thank you

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