

# THINGNESS OF ENERGY

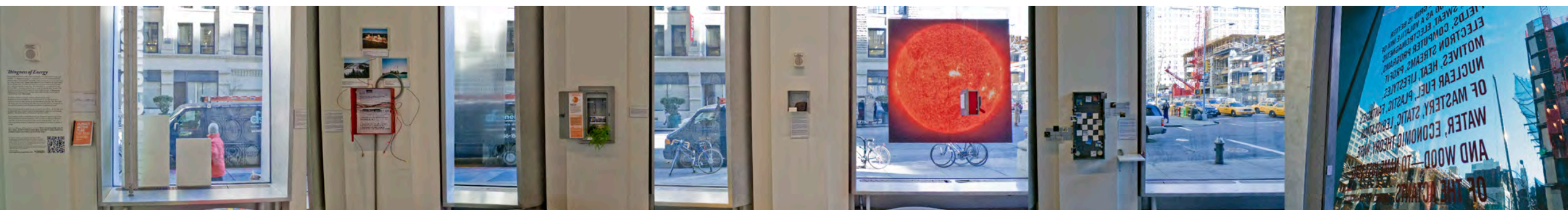
JAMIE KRUSE

+

VERA LIST CENTER FOR ART AND POLITICS

in collaboration with

- The New School's Office of Sustainability
- The Sheila C. Johnson Design Center







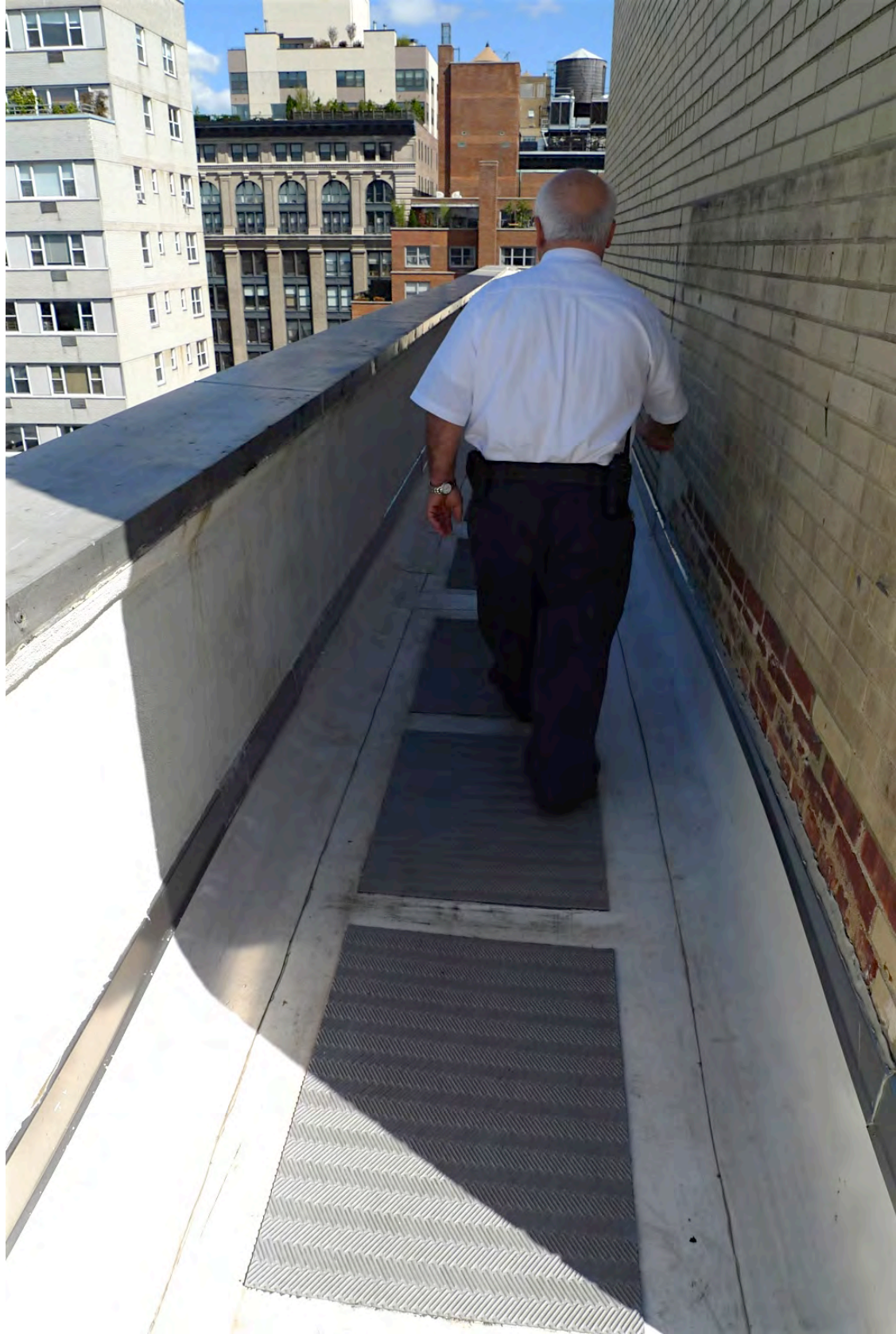






**What if "anticipating  
geologic scales of force,  
change and effect"  
became a common  
design specification for  
energy production and  
distribution projects,  
policy-making and  
infrastructure design?**

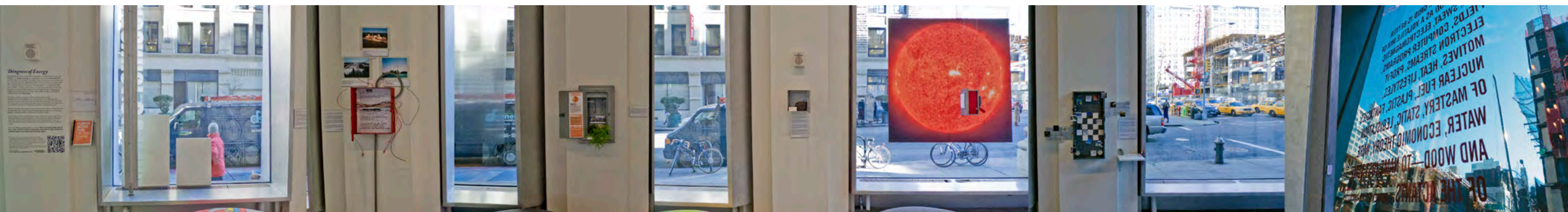












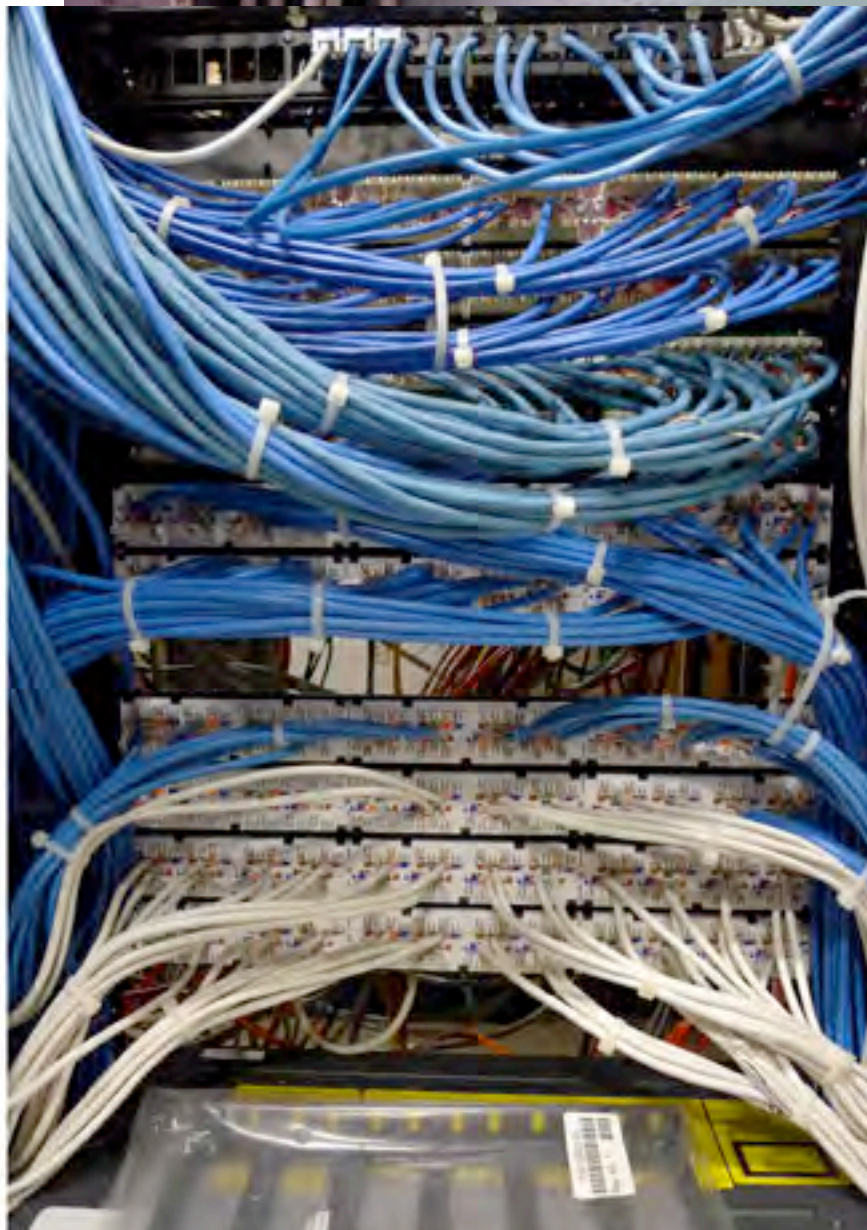


# VIBRANT MATERIALS

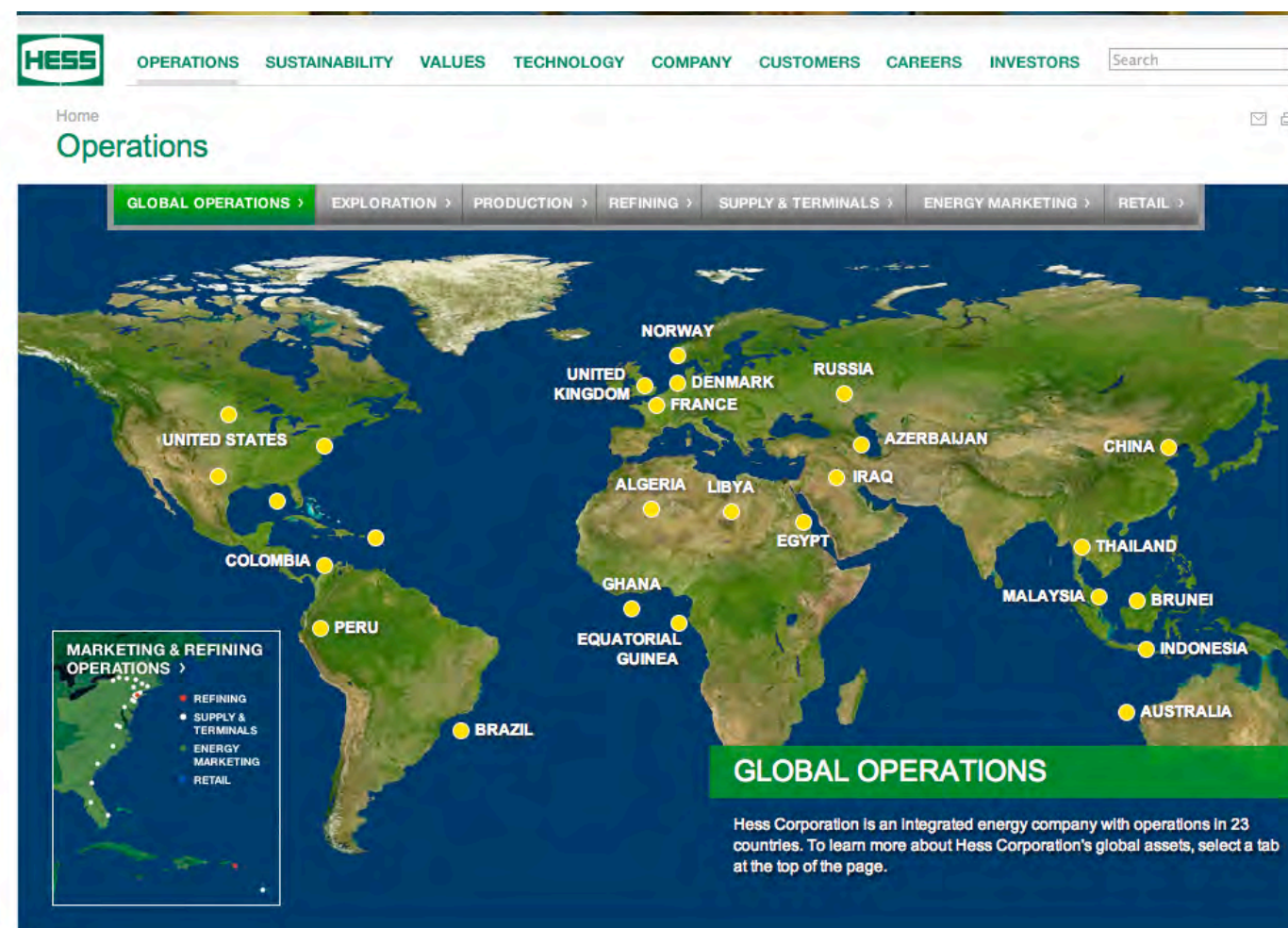
## MATERIAL TALES



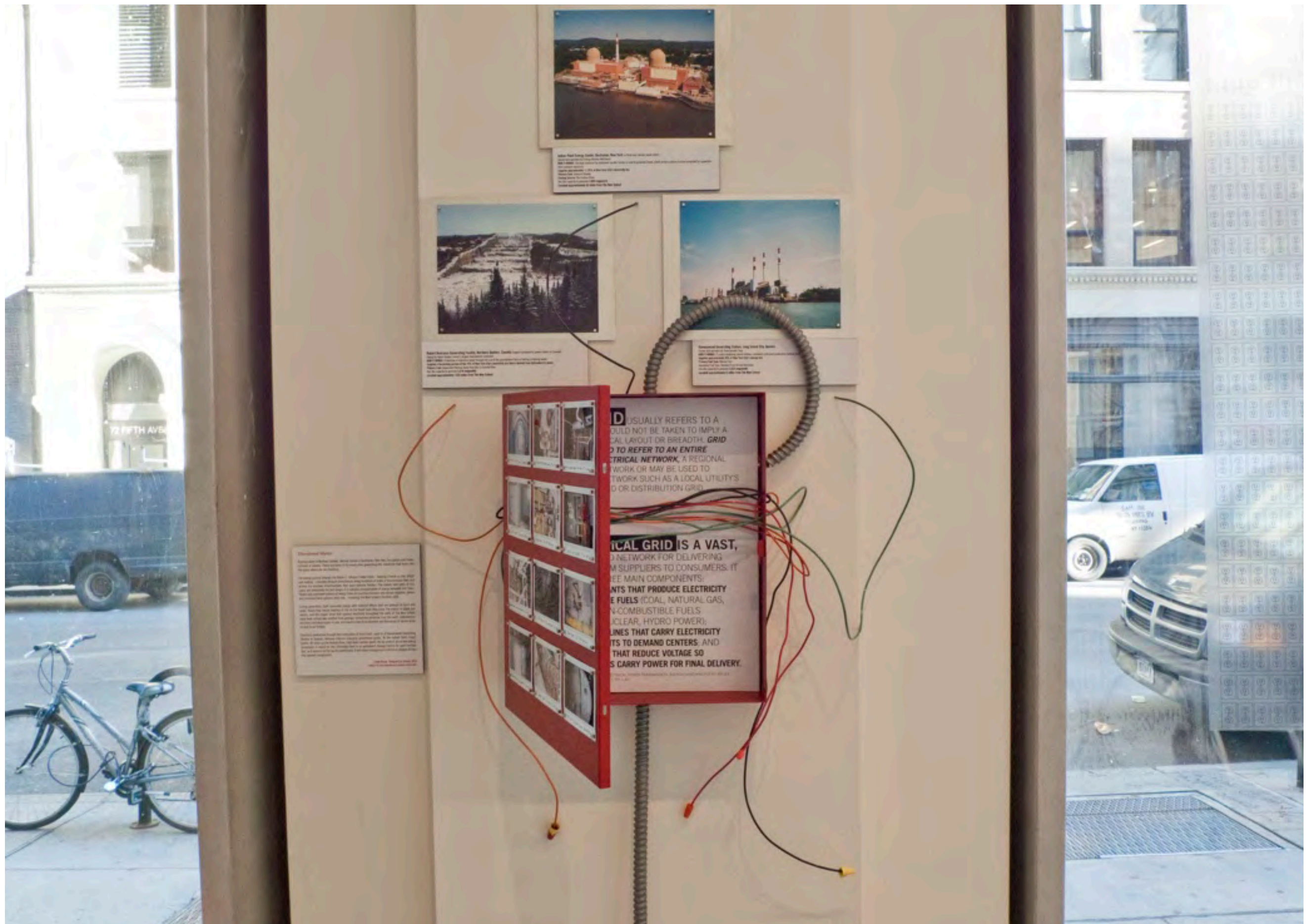












installation view, *Distributed Energy*



installation view, *Energy of Deep Time*





If we convert energy into metric tons of coal equivalent, the American economy consumes almost 40 million tons of coal-equivalent energy per household each year.

If this were delivered by a UPS carrier in forty-pound packages, it would require a delivery every two minutes through the entire year.

—William D. Nordhaus

## THE NEW SCHOOL COMMITS TO BECOMING A CARBON-NEUTRAL UNIVERSITY BY 2040.

The New School committed to purchasing Renewable Energy Certificates (RECs) or "green electricity" in 2009. A REC represents one megawatt-hour (MWh) of electricity from renewable sources, specifically wind, solar, biomass, low-impact hydropower, geothermal, and fuel cells. For 2011-12, The New School bought RECs in the equivalent of 26,302,000 kWh (equivalent to 29,428,256 pounds of carbon diverted) or 100 percent of the predicted electricity consumption for those two years.

### CO<sub>2</sub> Emissions from Buildings

TABLE 4: The New School's FY10 Greenhouse Gas Emissions



### Most Carbon-Intensive Buildings

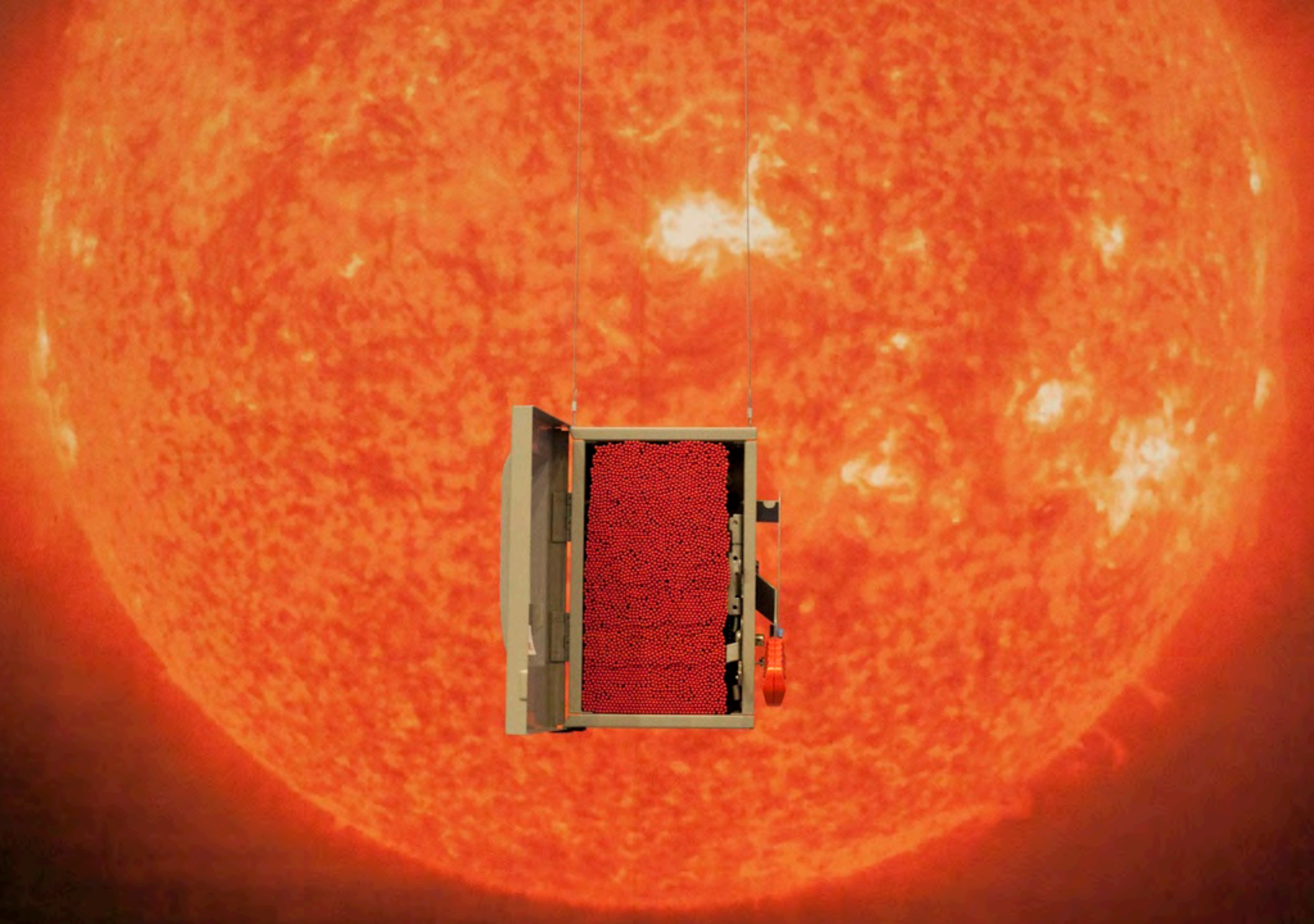
TABLE 5: The New School's FY10 Carbon Intensity by Building

Shapiro Hall Residence (312 E. 10th Street)  
 10th Street Residence (114 W. 10th Street)  
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Source: EBS, 2010. SOURCE: EBS, 2010.





installation view, *Scales of Light and Heat, Convert Yourself*





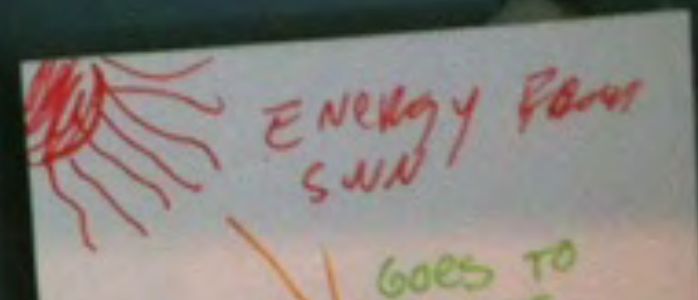
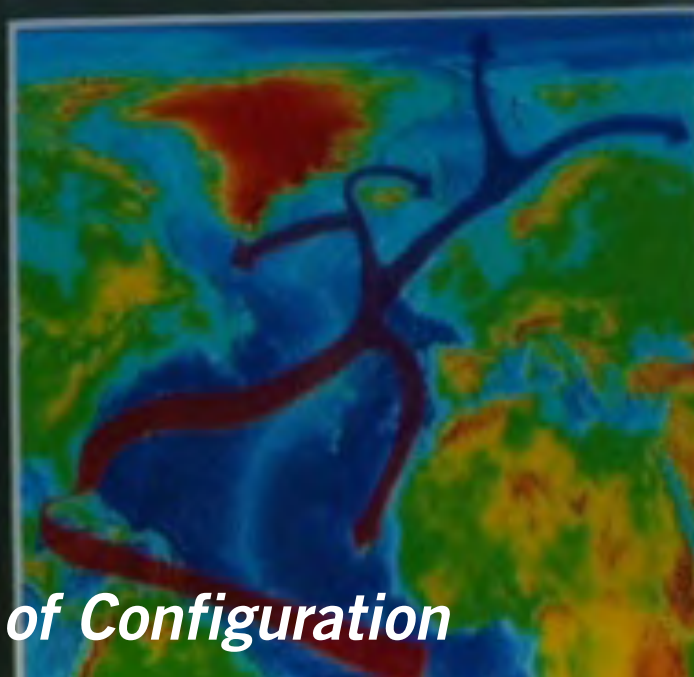
installation view, *Vibrant Matter and the Power of Configuration*



**"ELECTRICITY HAD  
BECOME LIKE AIR.  
YOU NEVER THOUGHT  
IT WOULD EVER BE  
UNAVAILABLE..."**

**- Hidetoshi Nakagami**

"Japan Gets Electricity Wake-Up Call"  
New York Times, October 2011



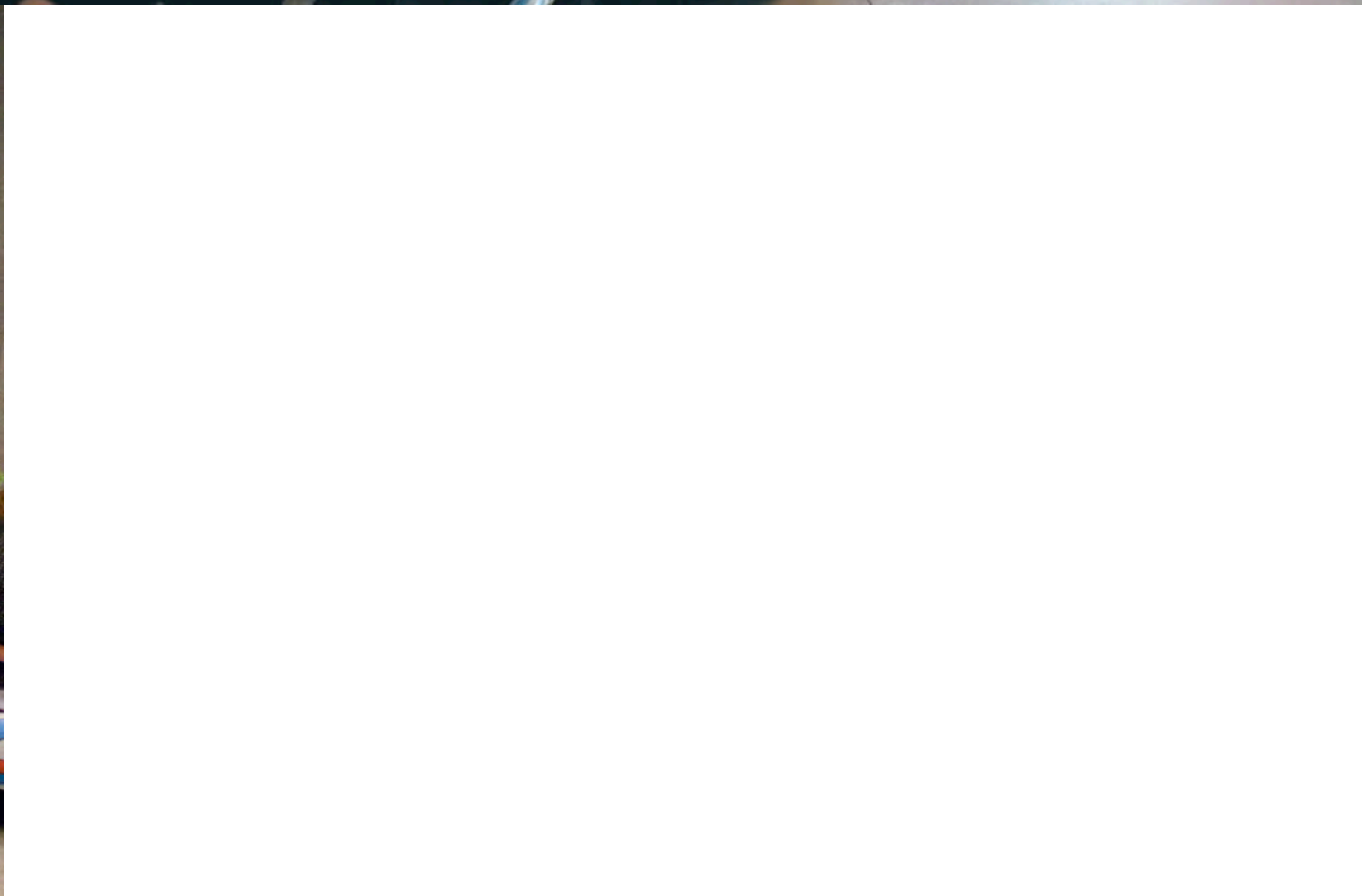


THE ELECTRICAL GRID IS BETTER  
UNDERSTOOD AS A VOLATILE MIX OF  
COAL, SWEAT, ELECTROMAGNETIC  
FIELDS, COMPUTER PROGRAMS,  
ELECTRON STREAMS, PROFIT,  
MOTIVES, HEAT, LIFESTYLES,  
NUCLEAR FUEL, PLASTIC, FANTASIES  
OF MASTERY, STATIC, LEGISLATION,  
WATER, ECONOMIC THEORY, WIRE,  
AND WOOD—TO NAME JUST SOME  
OF THE ACTANTS. — JANE BENNETT, VIBRANT M

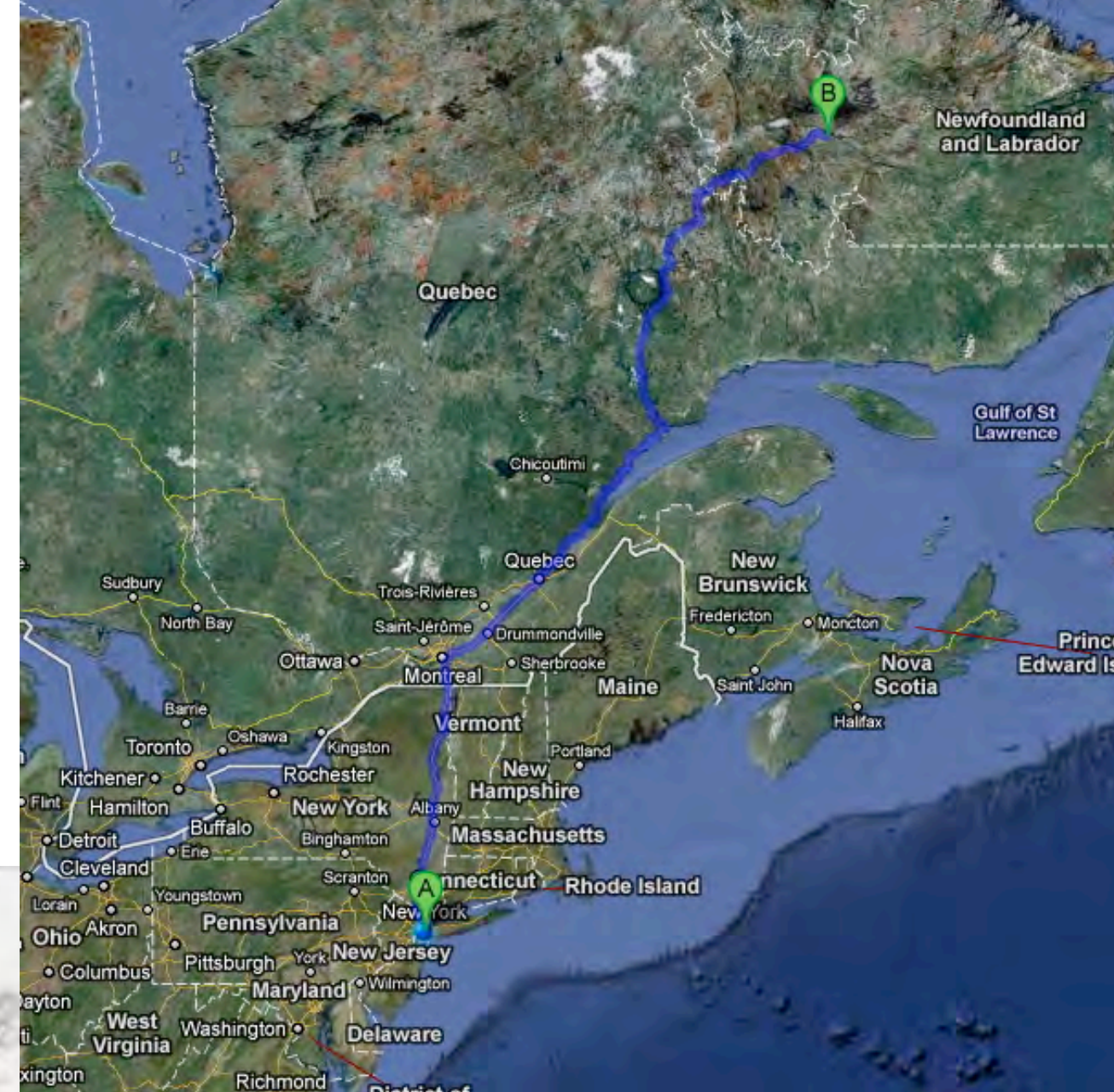
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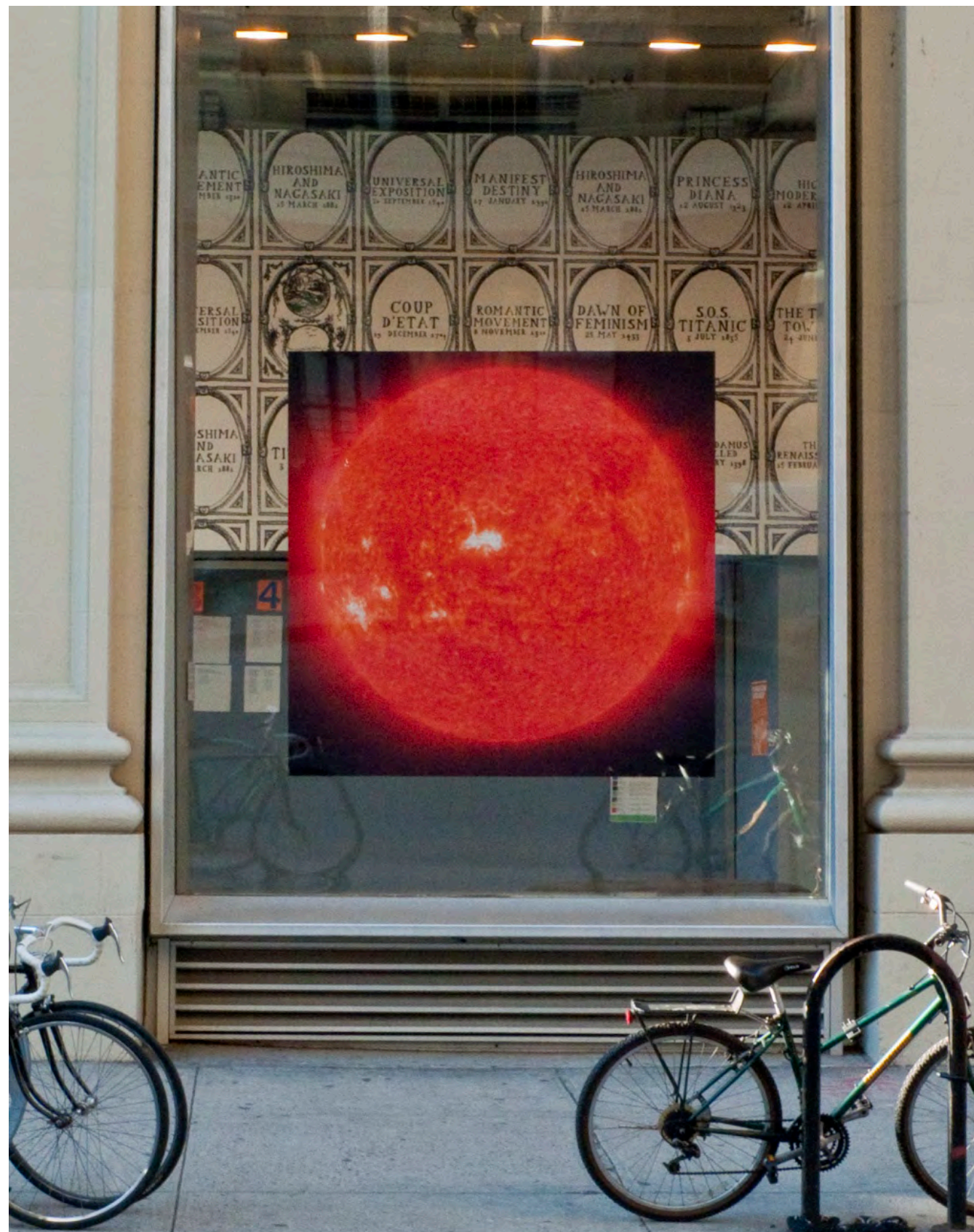












**THANK YOU.**