Annual Summit on Integrating Energy Efficiency & Smart Grid

October 15, 2013
Washington, DC

Artist: George Lockwood

Monday, November 4, 2013

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81
31

Monday, November 4, 2013

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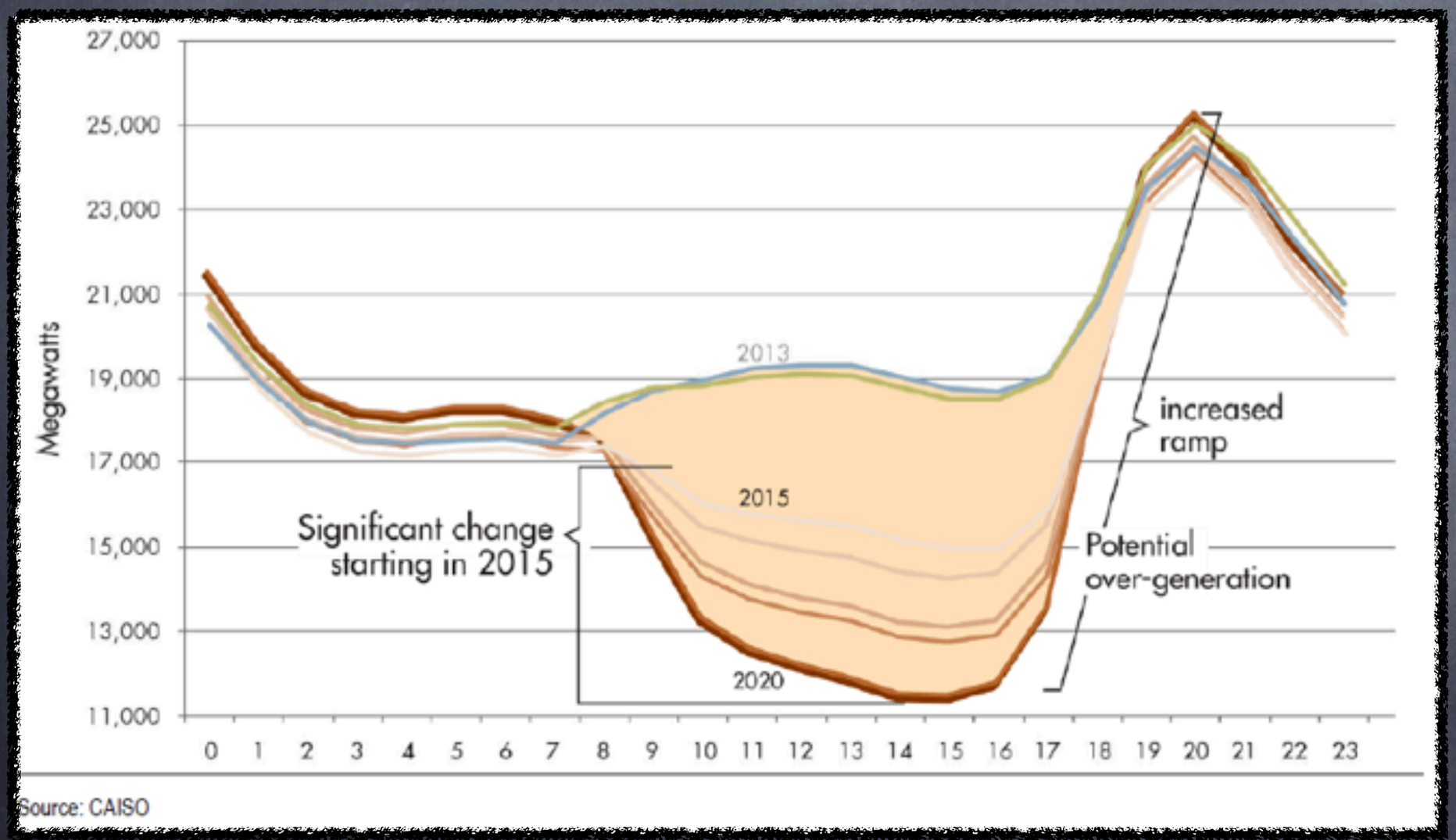
California's Duck Curve: CAISO Projected Net Load, 2013-2020



Source: Dumoulin-Smith, Julien. Not All Capacity is Created Equal. UBS Investment Research. June 19, 2013

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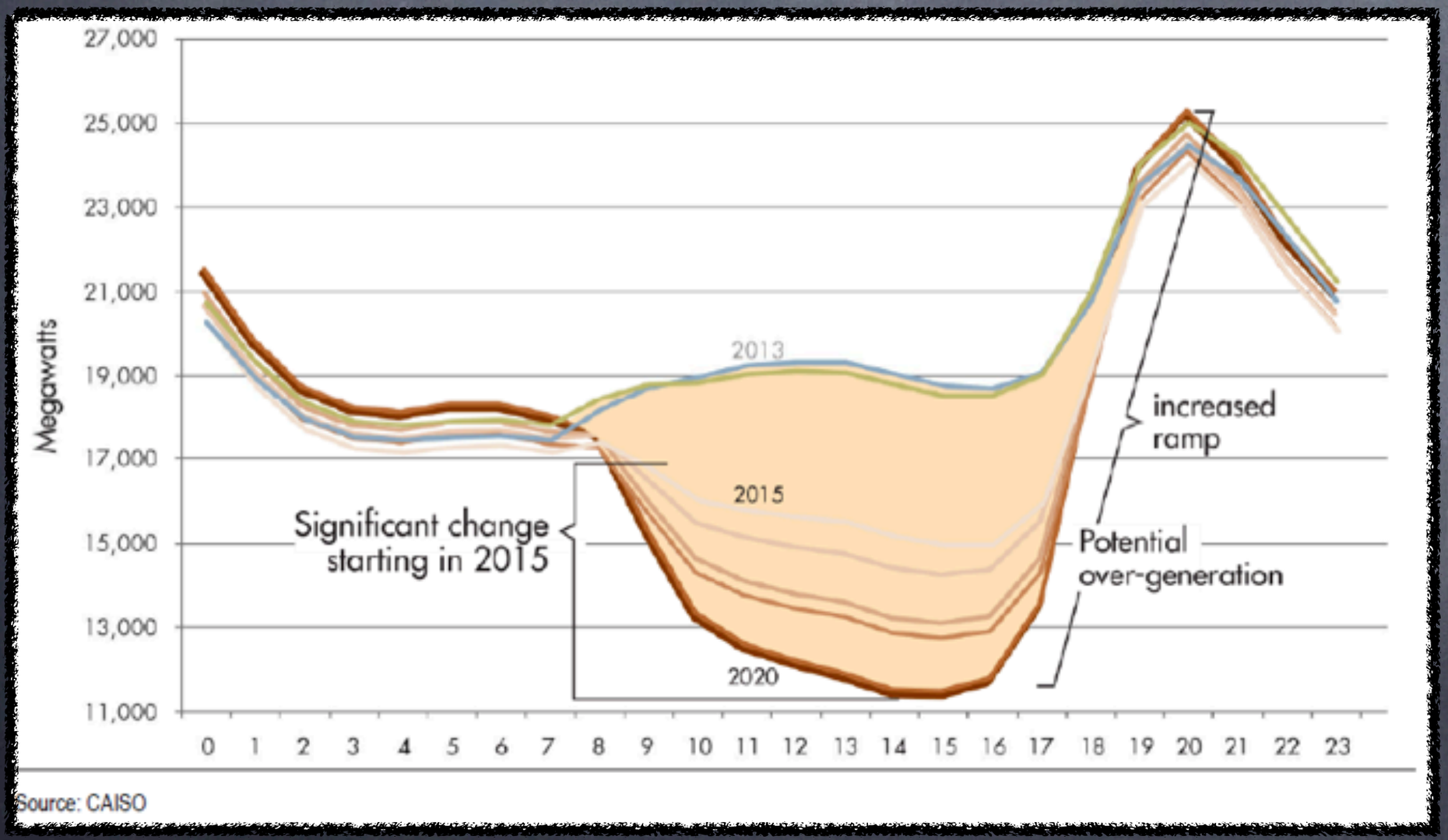

* Variability of wind/solar increase risk of overgeneration

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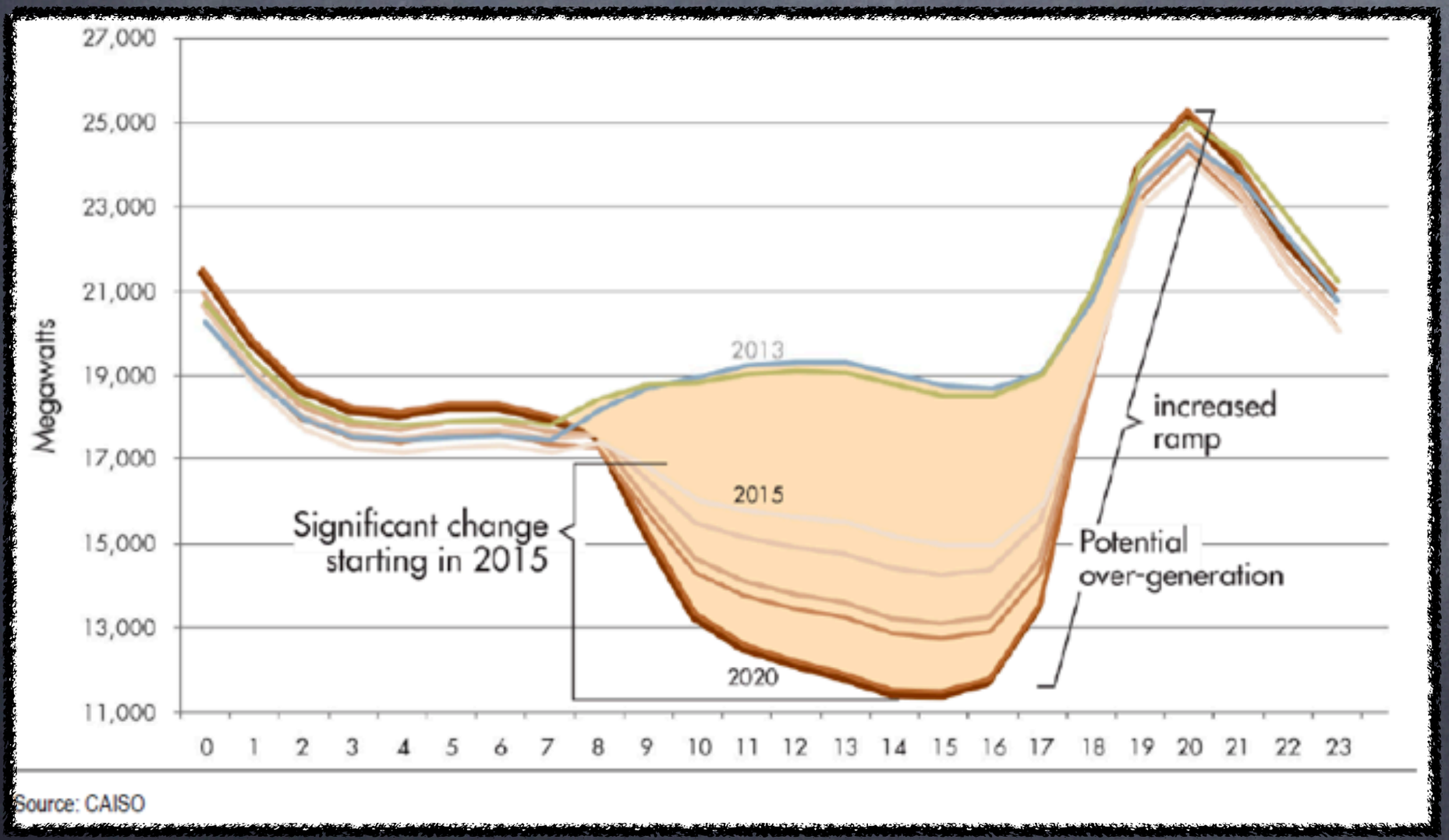

* Variability of wind/solar increase risk of overgeneration

*Overgeneration primarily concern during large/ steep ramps

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The Challenges for Intelligent Efficiency

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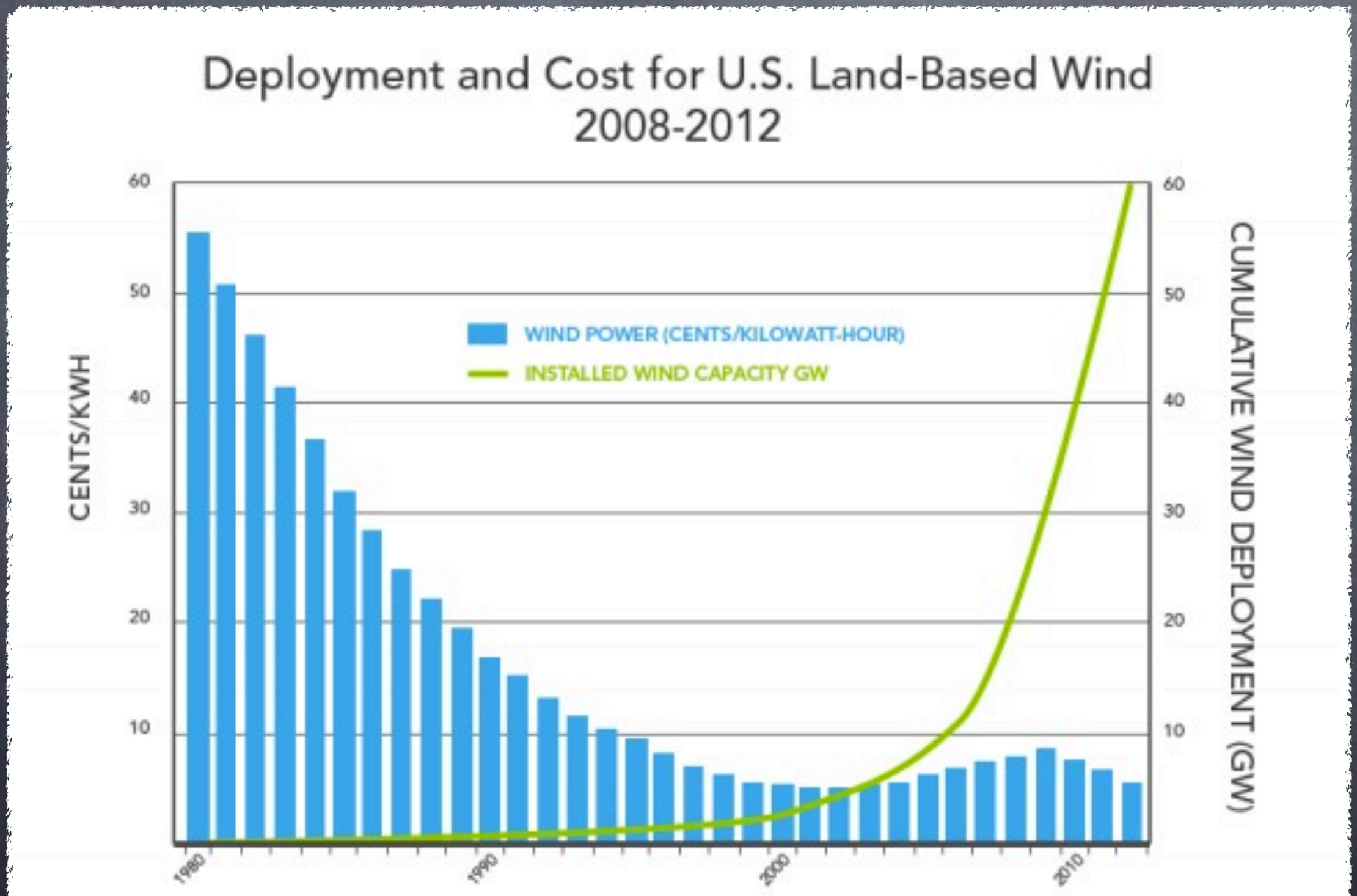
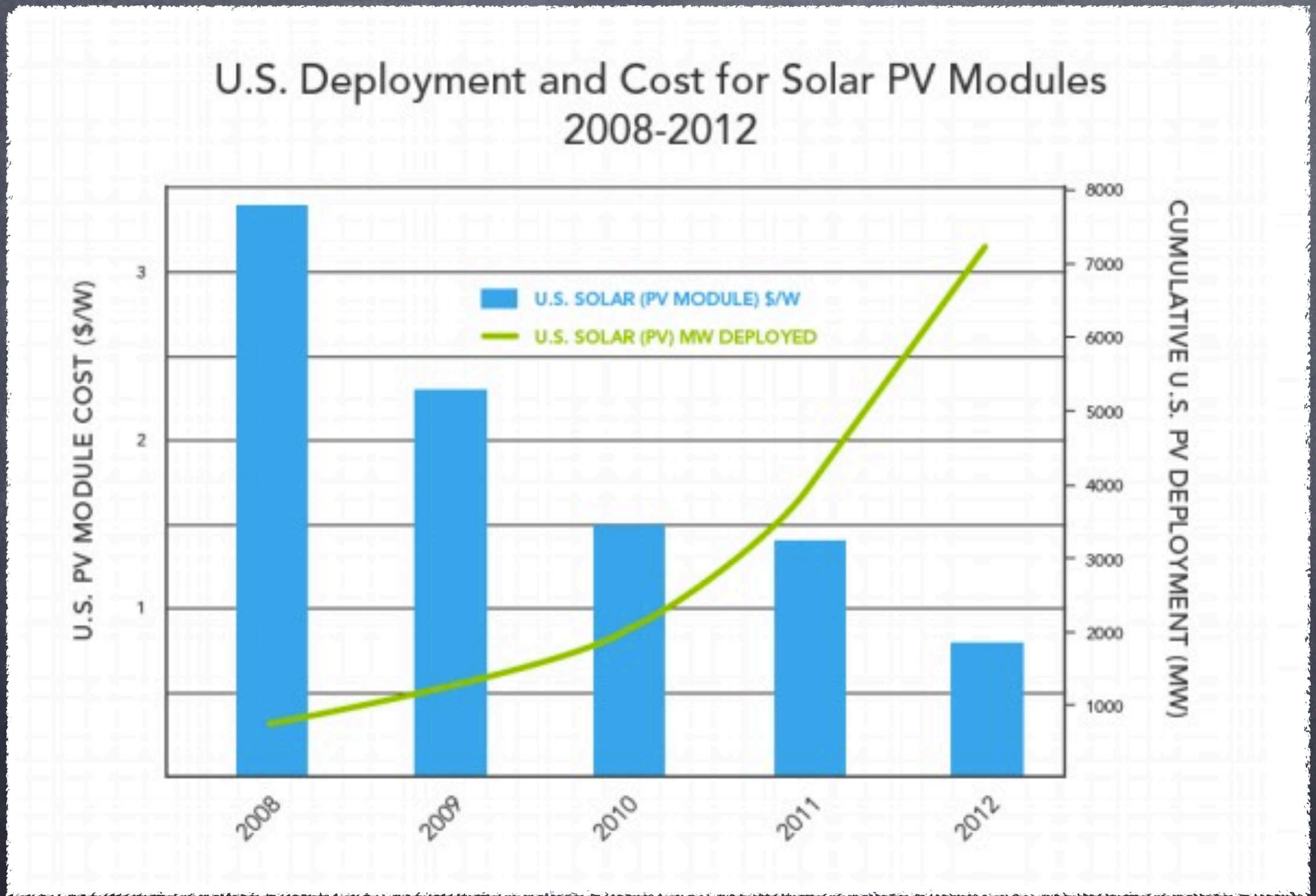
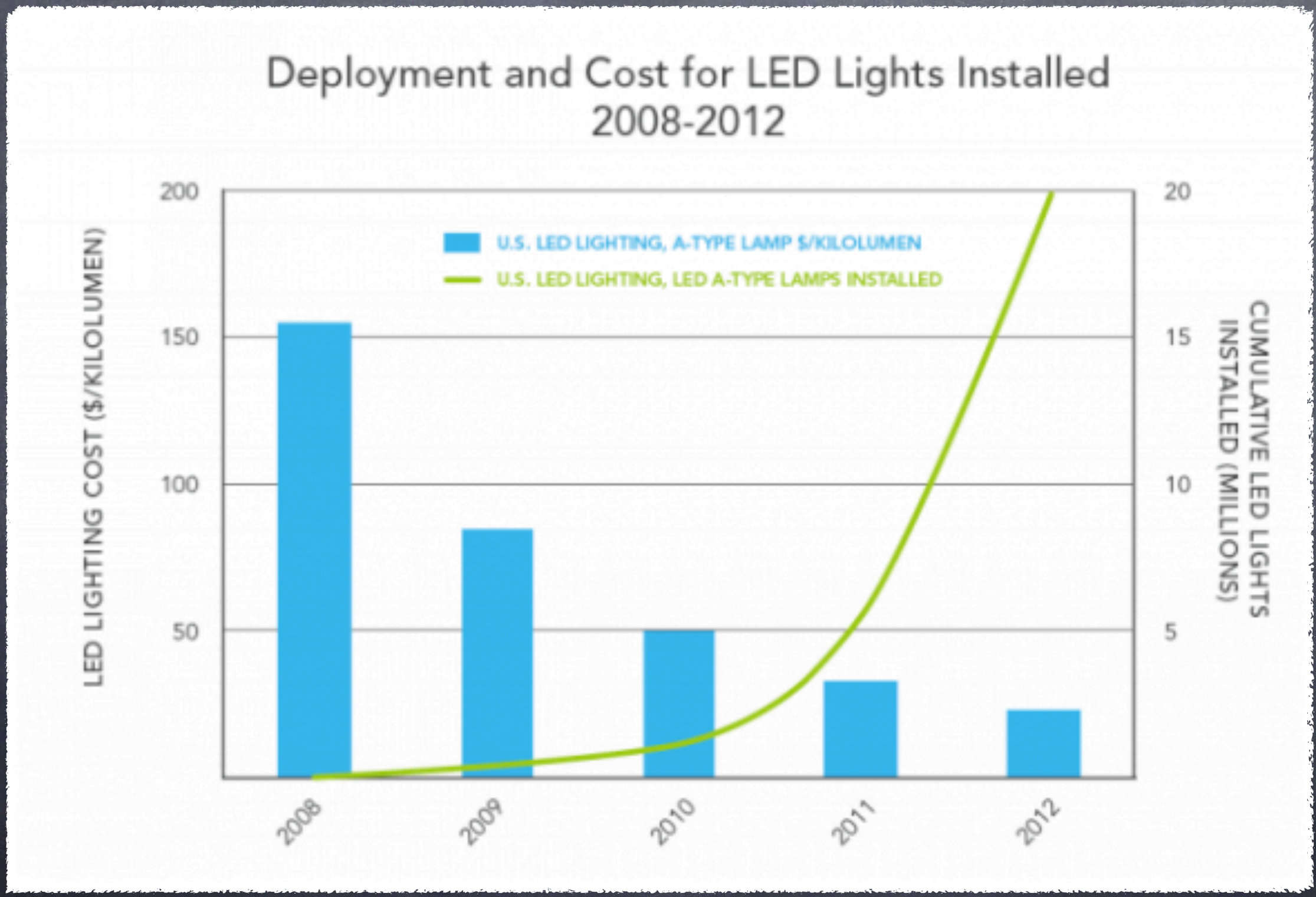


The Challenges for Intelligent Efficiency



The Challenges for Intelligent Efficiency



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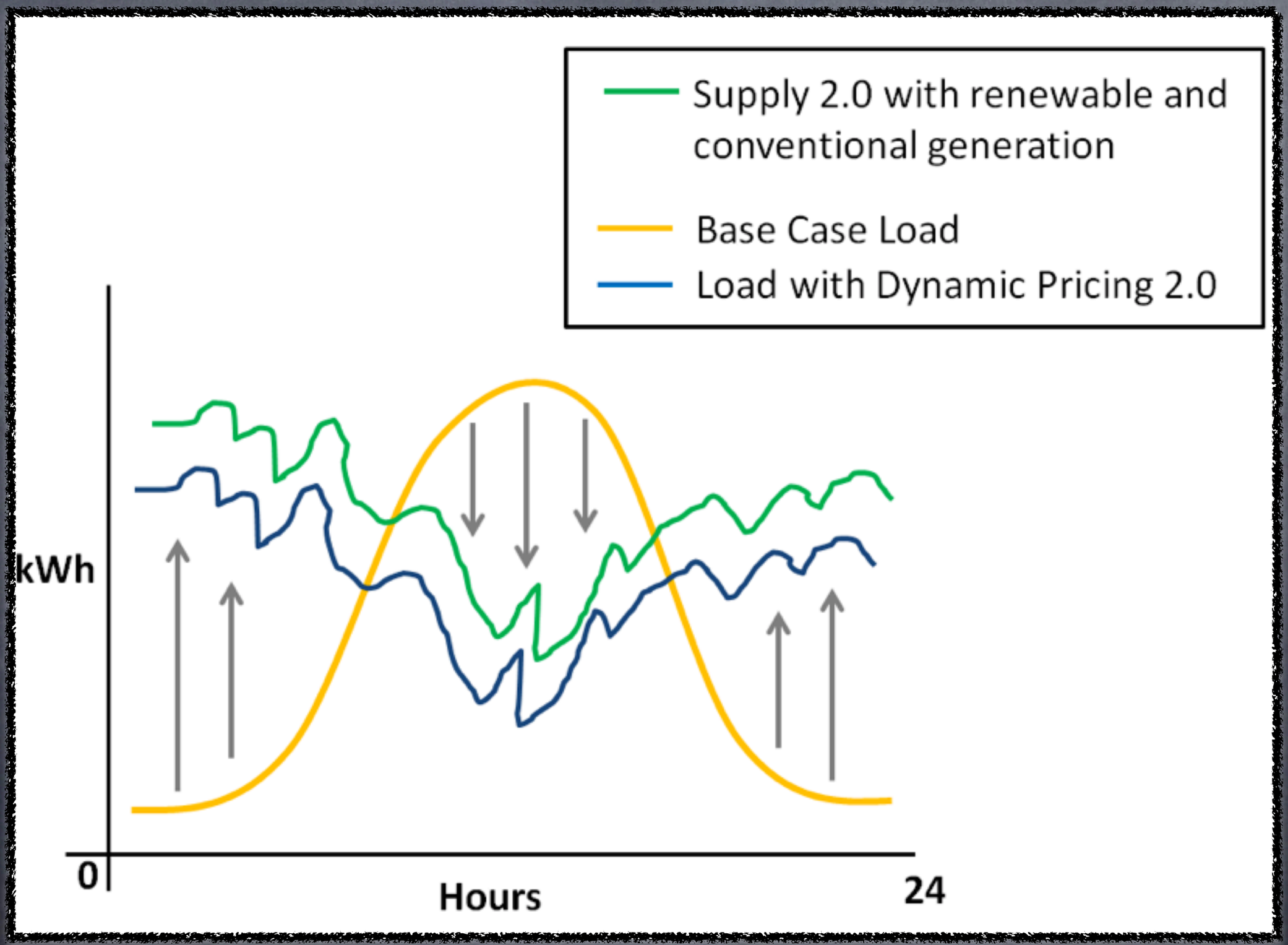
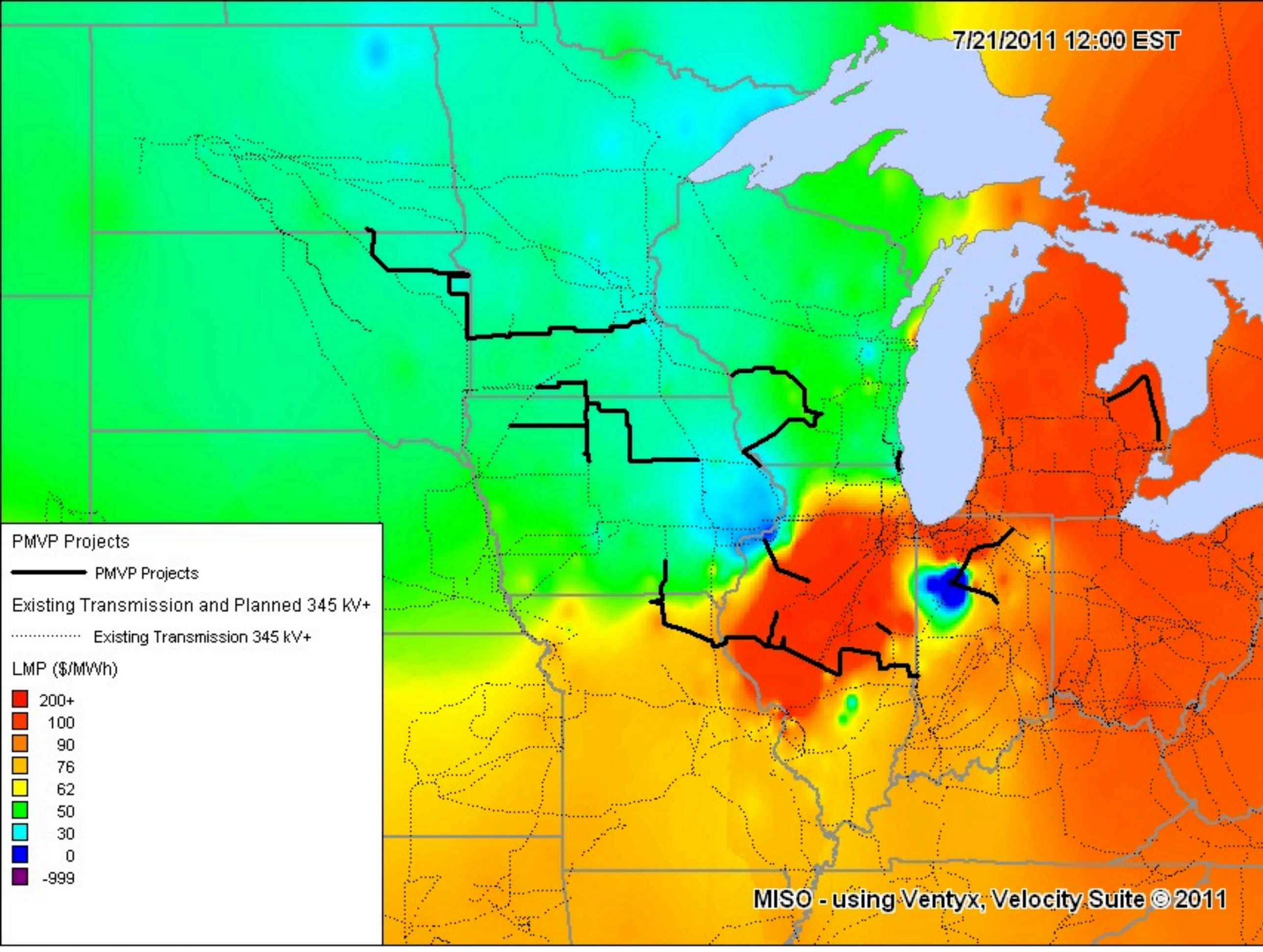
Dynamic Pricing: Integrating Renewables by Creating Around-the-clock Flexibility in Load




7/21/2011 12:00 EST
PMVP Projects
PMVP Projects
Existing Transmission and Planned 345 kV+
Existing Transmission 345 kV+
LMP ($/MWh)
200+
100
90
76
62
50
30
0
-999
MISO - using Ventyx, Velocity Suite © 2011

7/21/2011 12:00 EST

PMVP Projects

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Existing Transmission and Planned 345 kV+

Existing Transmission 345 kV+

LMP ($/MWh)

200+
100
90
76
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