

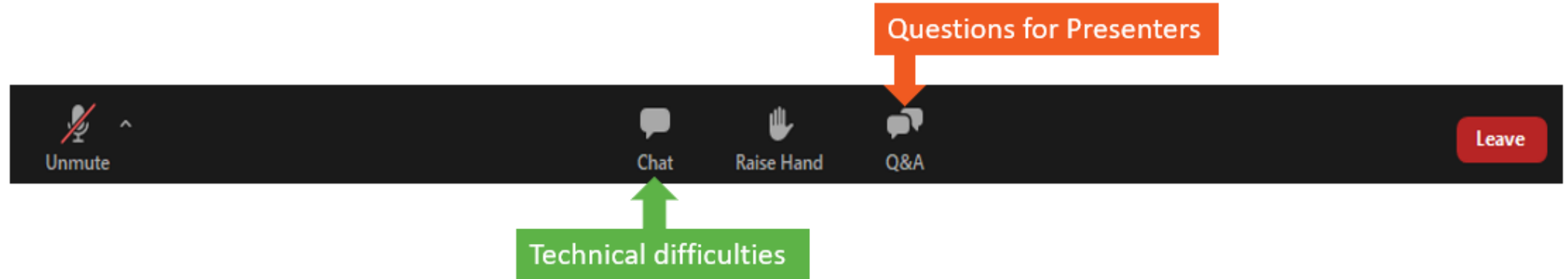


US City & Corporate Clean Energy Procurement and Its Role in Achieving the Paris Agreement's Goals

September 1, 2021



Webinar Logistics



- **To ask a question:** Type your question in the Q&A box. We will take questions at the end of the webinar.
- **Technical difficulties:** If you are having technical difficulties, please send a message through the Chat to Katie Harrison (Zoom Support), or email Kathryn.Harrison@erg.com
- **Slides:** A PDF of these slides are available in the Chat.
- **Evaluation:** Please complete the survey evaluation at the end of the webinar.



Agenda

- **Welcome**
- **Overview of WRI Local Government Renewables Action Tracker**
 - Steve Abbott & Tatsatom Gonçalves
- **Overview of REBA State of Market report**
 - Sarah Mihalecz
- **City/Corporate Panel Discussion**
 - Steve Chriss
 - Michael Forrester
 - Stacy Miller
 - Peter Nierengarten
- **Question/Answer**

Speakers

- **Holly Elwood**, Environmentally Preferable Purchasing Program, U.S. EPA
- **Tatsatom Gonçalves**, Research Analyst, Energy Program, World Resources Institute
- **Steve Abbott**, Principal, Urban Transformation RMI
- **Sarah Mihalecz**, Senior Director, Education & Engagement, Renewable Energy Buyers Alliance
- **Steve Chriss**, Director of Energy Services, Walmart
- **Stacy Miller**, Sustainability Program Coordinator, Energy and Climate Regulatory Policy, City of Minneapolis
- **Michael Forrester**, Director of the Office of Environment and Sustainability, City of Cincinnati
- **Peter Nierengarten**, Environmental Director, City of Fayetteville, AR



**Bloomberg
Philanthropies**

American Cities
Climate Challenge
RENEWABLES ACCELERATOR



 **WORLD
RESOURCES
INSTITUTE**

UNDAUNTED BY COVID-19: TRENDS IN LOCAL GOVERNMENT RENEWABLE ENERGY PURCHASING

SEPTEMBER 1, 2021

Join the conversation on Twitter:

#CityRenewables

Cities have been under pressure over the last year from both COVID-19 and increasingly frequent and severe natural disasters



As of December 2020, US cities had seen **revenues decline** by

21%

since the beginning of the pandemic.

In 2020, disasters cost a record

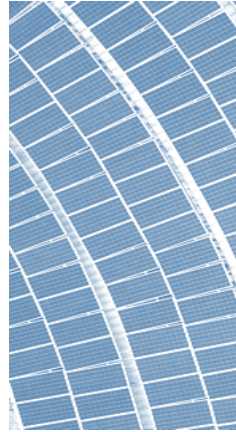
\$306 billion



In the face of these challenges, US local governments have set ambitious goals to use 100% renewable energy

DC Heads to 100% Renewable Energy, a Symbolic Move for the Country

Published Apr. 19, 2019



LA now biggest U.S. city to announce 100% renewable energy goals

5/8/2019



Arlington County becomes first locality in Virginia to commit to 100% clean, renewable electricity by 2035



September 23, 2019



Menlo Park becomes first U.S. city to set goal to be carbon neutral by 2030



July 16, 2020

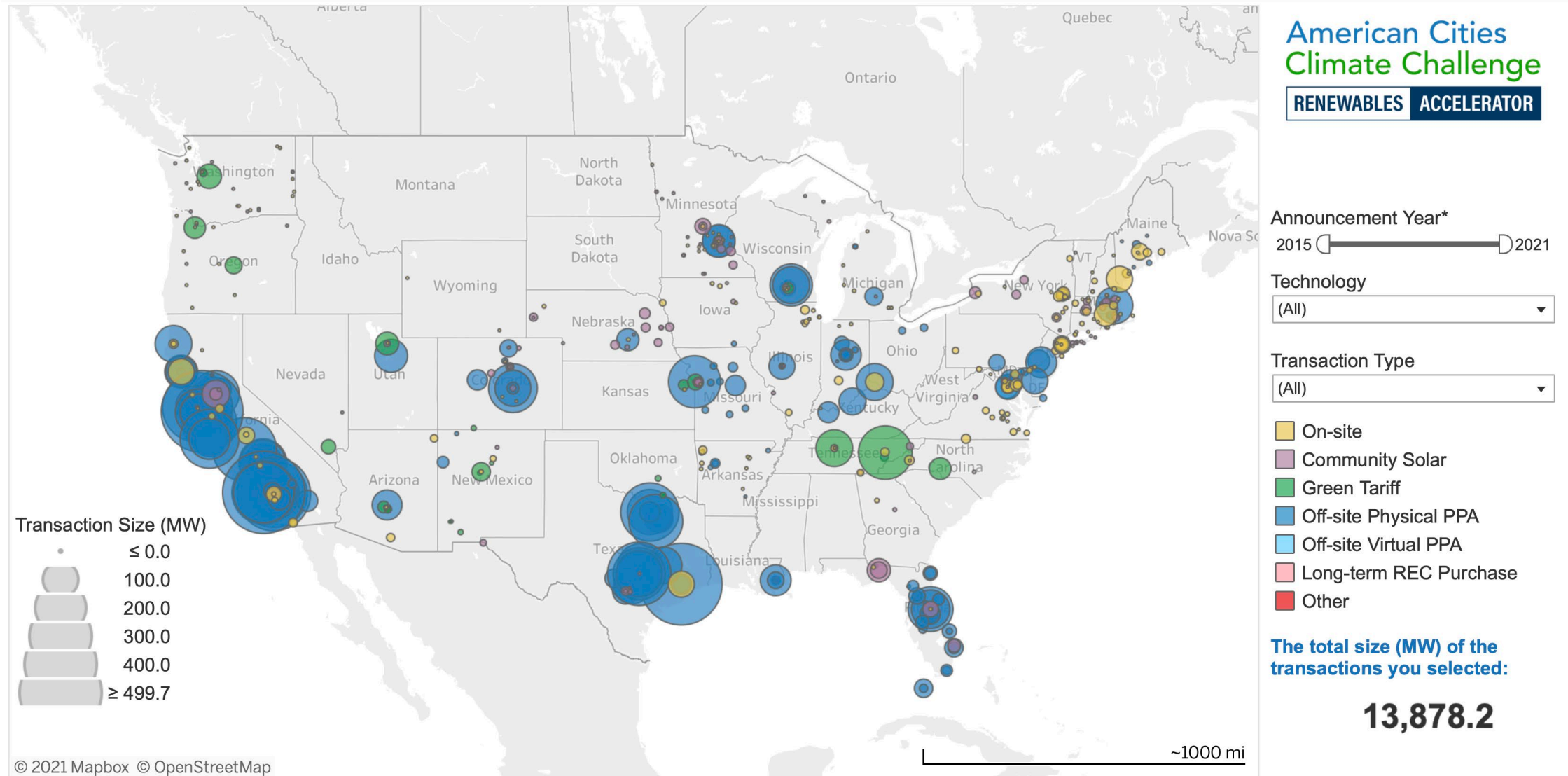
1. <https://www.nbcconnecticut.com/news/national-international/the-nations-capital-moves-toward-all-renewable-energy-federal-buildings-included/174461/>

2. <https://www.power-grid.com/2019/05/08/la-now-biggest-u-s-city-to-announce-100-percent-renewable-energy-goals/#gref>

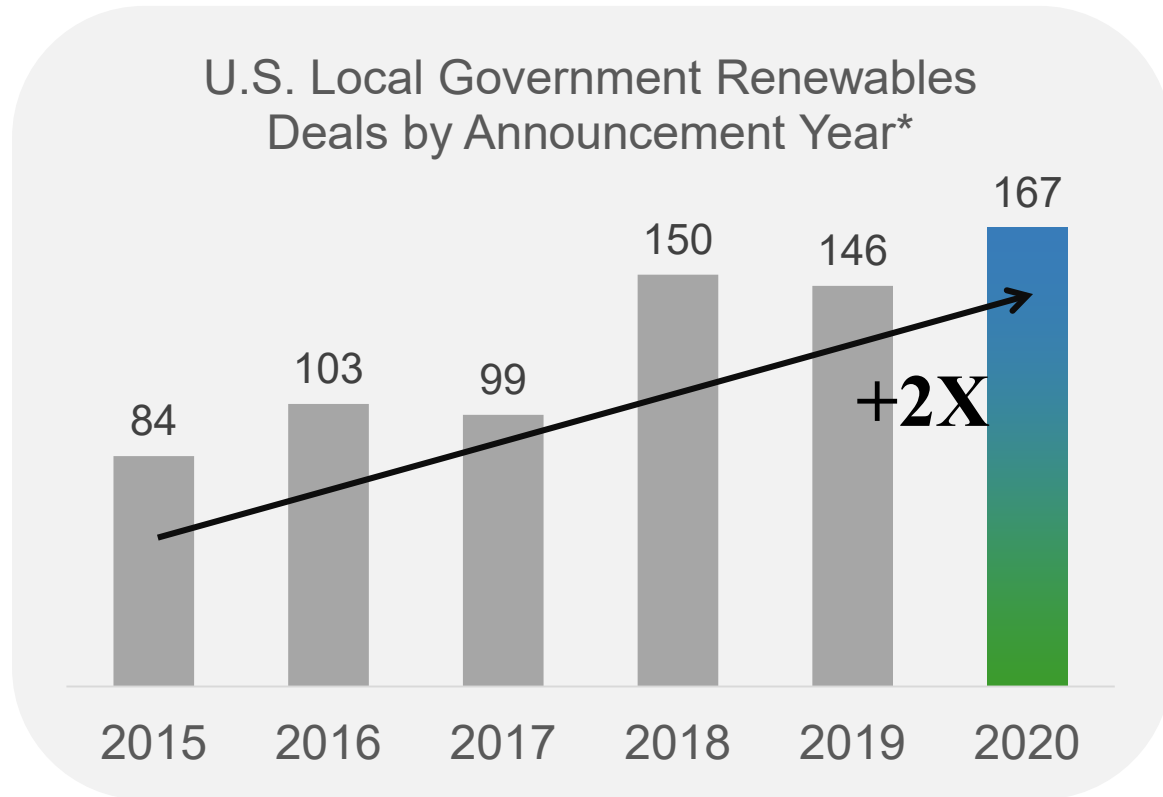
3. https://www.sierraclub.org/press-releases/2019/09/arlington-county-becomes-first-locality-virginia-commit-100-clean-renewable?id=7013q00001apXRAAY&utm_medium=web&utm_source=sierraclub&utm_campaign=readyfor100&utm_content=map

4. <https://www.almanacnews.com/news/2020/07/16/menlo-park-becomes-first-us-city-to-set-goal-to-be-carbon-neutral-by-2030>

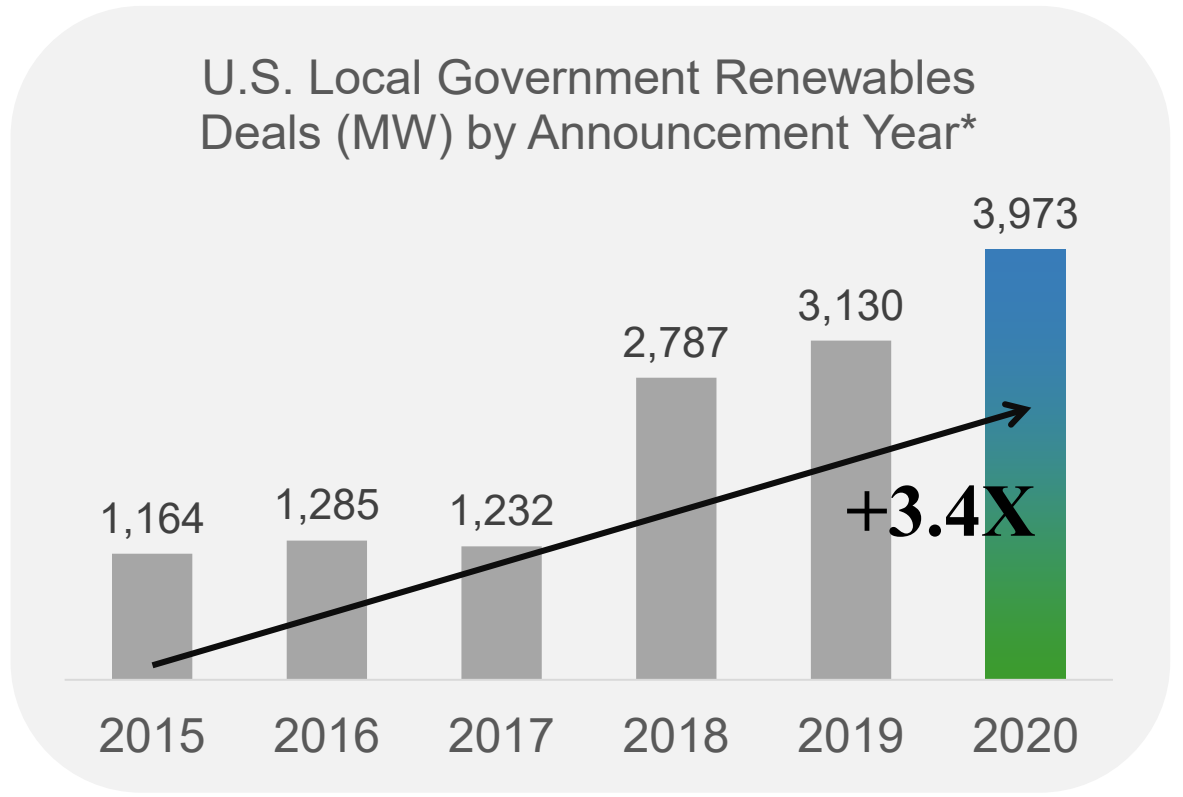
Through the Transaction Tracker, our team tracks and publicizes renewable energy projects announced by US local governments since 2015



Despite pandemic challenges, US local governments bought more clean energy in 2020 than ever before



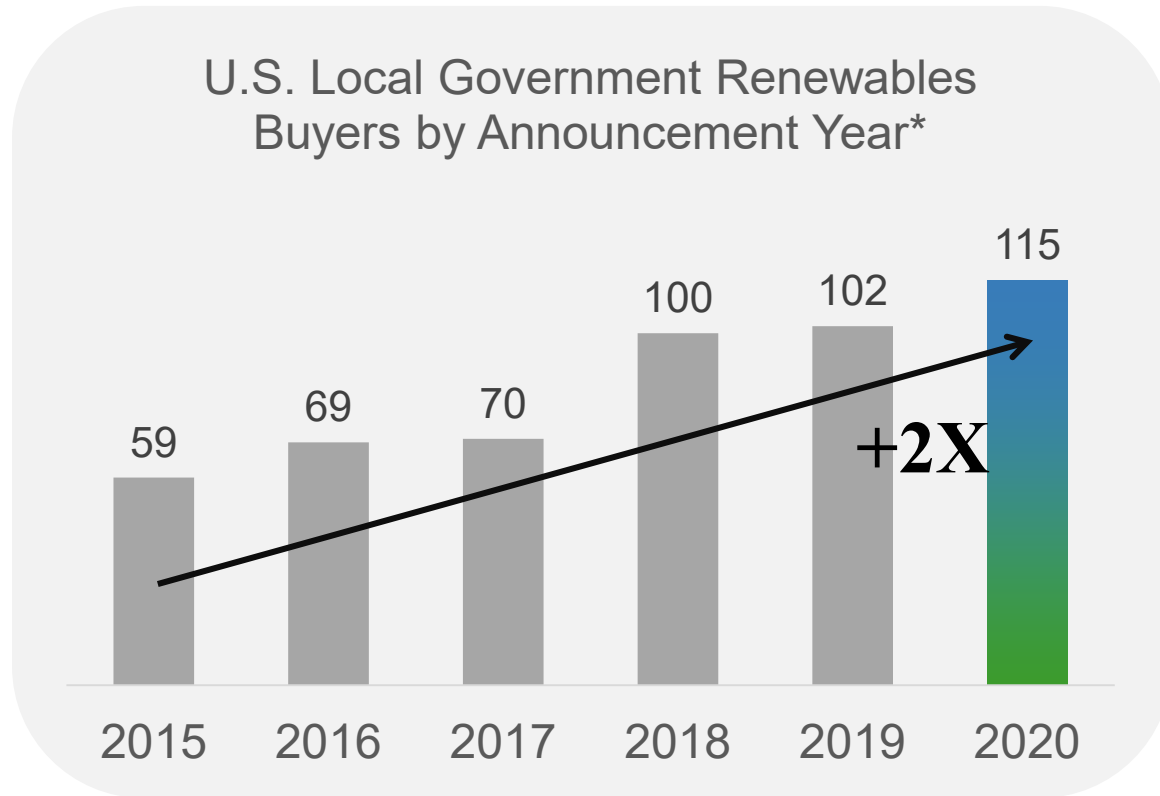
* Or operation start year if announcement year is not available
Source: Local Government Renewables Action Tracker (www.cityrenewables.org)



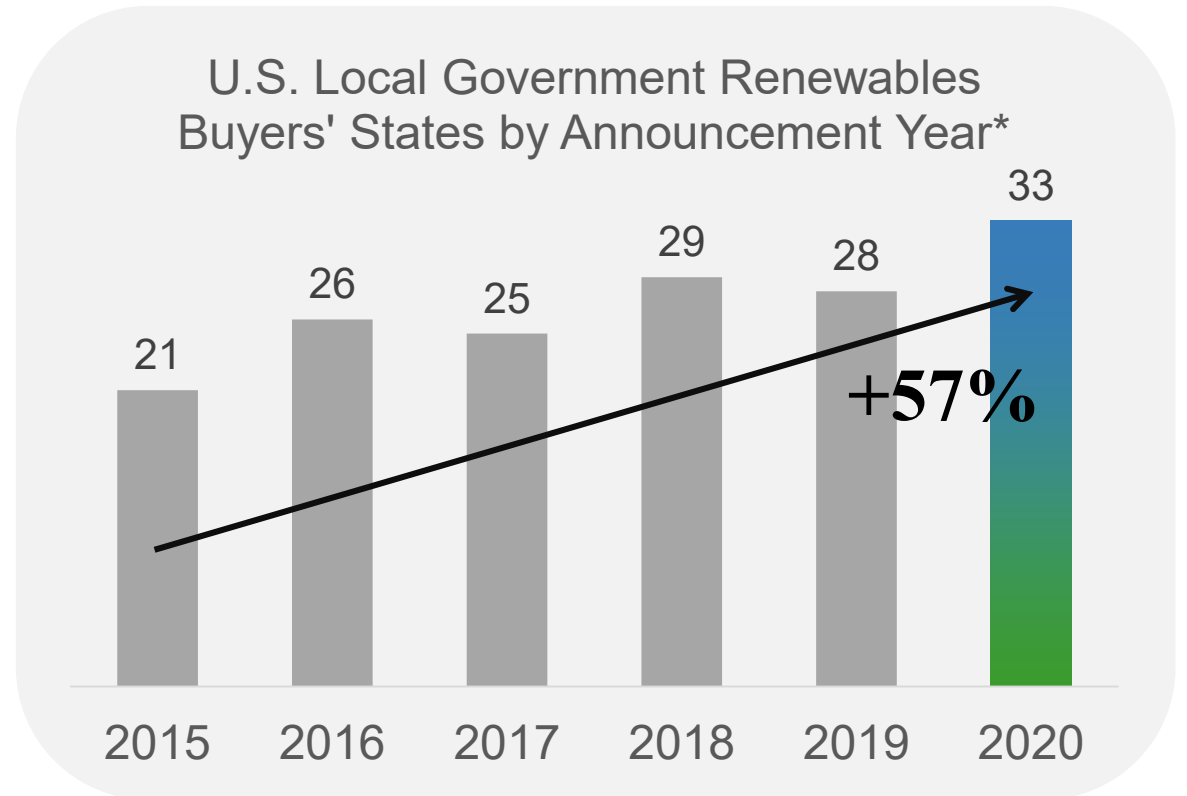
* Or operation start year if announcement year is not available
Source: Local Government Renewables Action Tracker (www.cityrenewables.org)

Data Source: RMI & WRI, Local Government Renewables Action Tracker

There was also a record number of buyers across a record number of states



* Or operation start year if announcement year is not available
Source: Local Government Renewables Action Tracker (www.cityrenewables.org)



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Source: Local Government Renewables Action Tracker (www.cityrenewables.org)

Data Source: RMI & WRI, Local Government Renewables Action Tracker

The most innovative transactions illustrated 4 opportunities for local governments to accelerate renewable development and create local benefits



Record-breaking size, which **makes progress towards goals more efficient**



Regional collaboration, which **offers greater economic and climate benefits**



Job training and social benefits, which **support local communities**



Creative financing, which **enables a greater number of projects**

Data from early 2021 suggests an increase in the number of first-time buyers

In **Q1**, there were **24**
unique buyers

17

of which had **not** signed
deals **2015-2020**



The two **most common**
procurement methods:

on-site solar
community solar



Visit the **City Renewables Accelerator** site for more data, guidance and resources on executing transactions, and WRI's new city-corporate partnerships paper



Helping U.S. Cities Advance Ambitious Renewable Energy Goals

Together, U.S. cities can lead the charge to renewable energy and advance action against climate change.

Brand new to procuring renewable energy?

[Start Here](#)

Looking for something to assist efforts underway?

[Browse Resources](#)

What actions are local governments taking on renewables?

[Explore Our Tracker](#)

www.cityrenewables.org



The Renewable Energy Buyers Alliance

REBA

Trends in Corporate Renewable Energy

September 1, 2021

Note: This is an excerpt from REBA's 2021 State of the Market Report.

About REBA

REBA is an alliance of large clean energy buyers, energy providers, service providers, and NGO partners, who are unlocking the marketplace for all energy consumers to lead a rapid transition to a cleaner, prosperous, zero-carbon energy future.

Catalyze
60 GW
of new, corporate backed
renewables on the grid
by 2025

Grow the buyer
market to
50,000
buyers

Learn more at rebuyers.org

2020 Observations

Key Trends



Market Phased,
but Not Slowed



New Demand,
New Sectors



Markets
Matter



Buyers Continue to
Drive GHG Impact



Human-centered
Impact



Policy and Advocacy
Engagement Accelerate

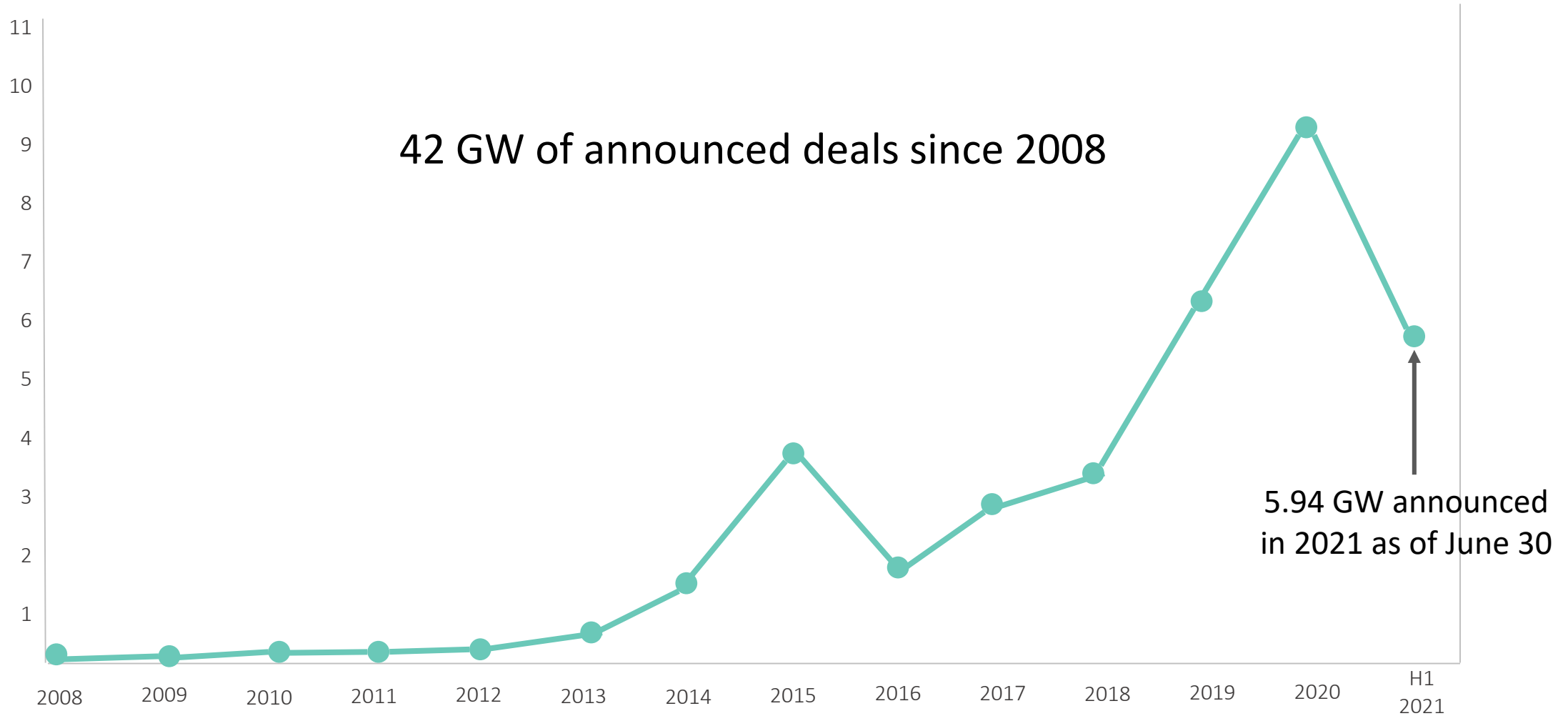


Exponential growth of corporate-backed, large-scale renewables



42 GW of announced deals since 2008

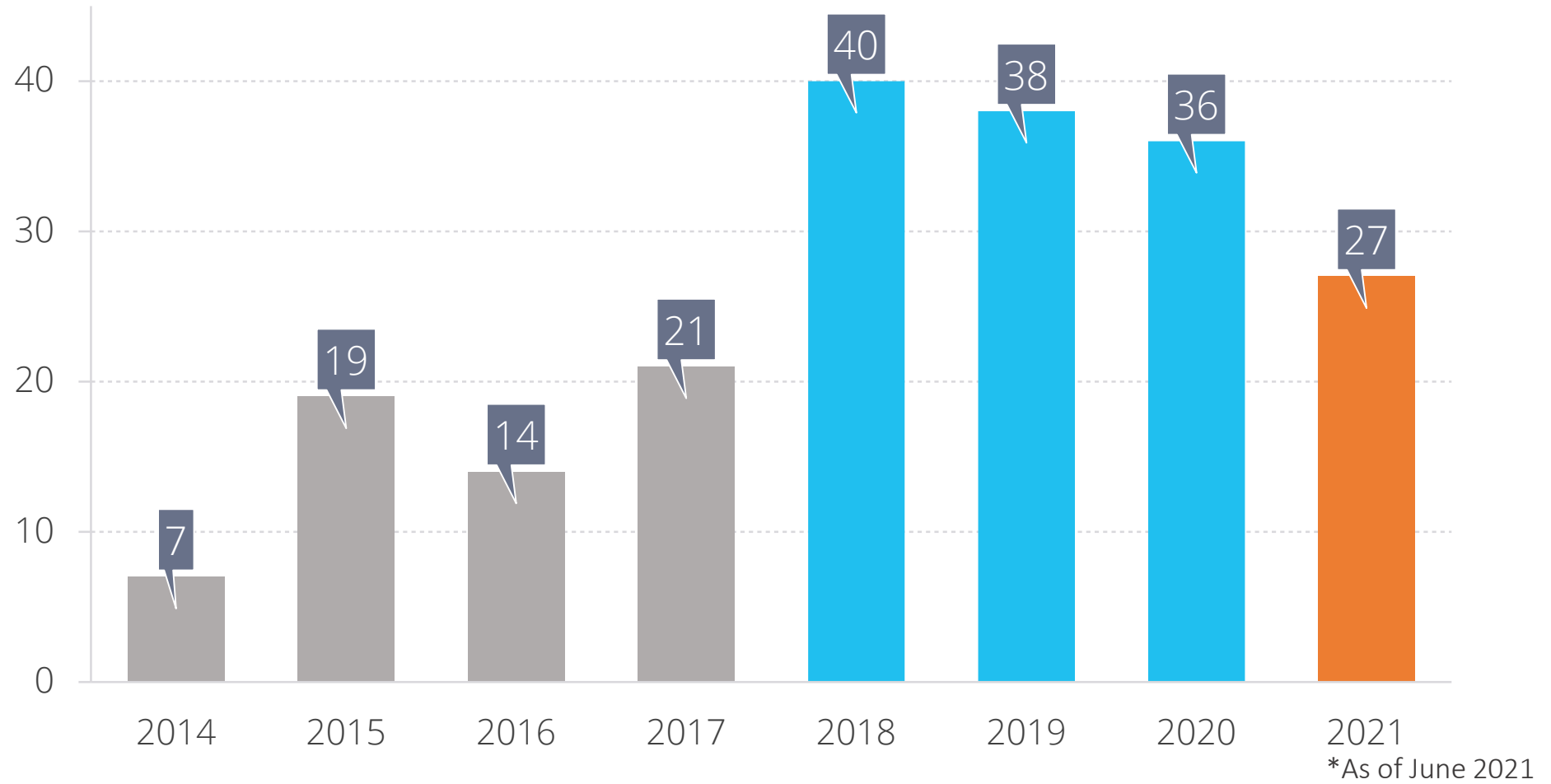
Contracted
Capacity
Announced
(GW)



The market is expanding with new buyers participating each year



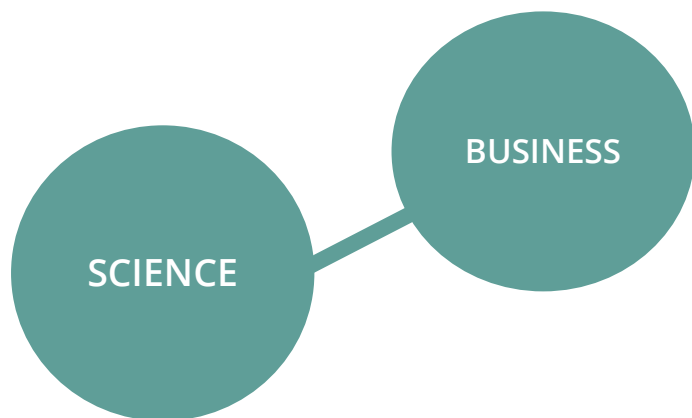
Buyers per year





New target options and sectors of demand

Newer carbon focused goals

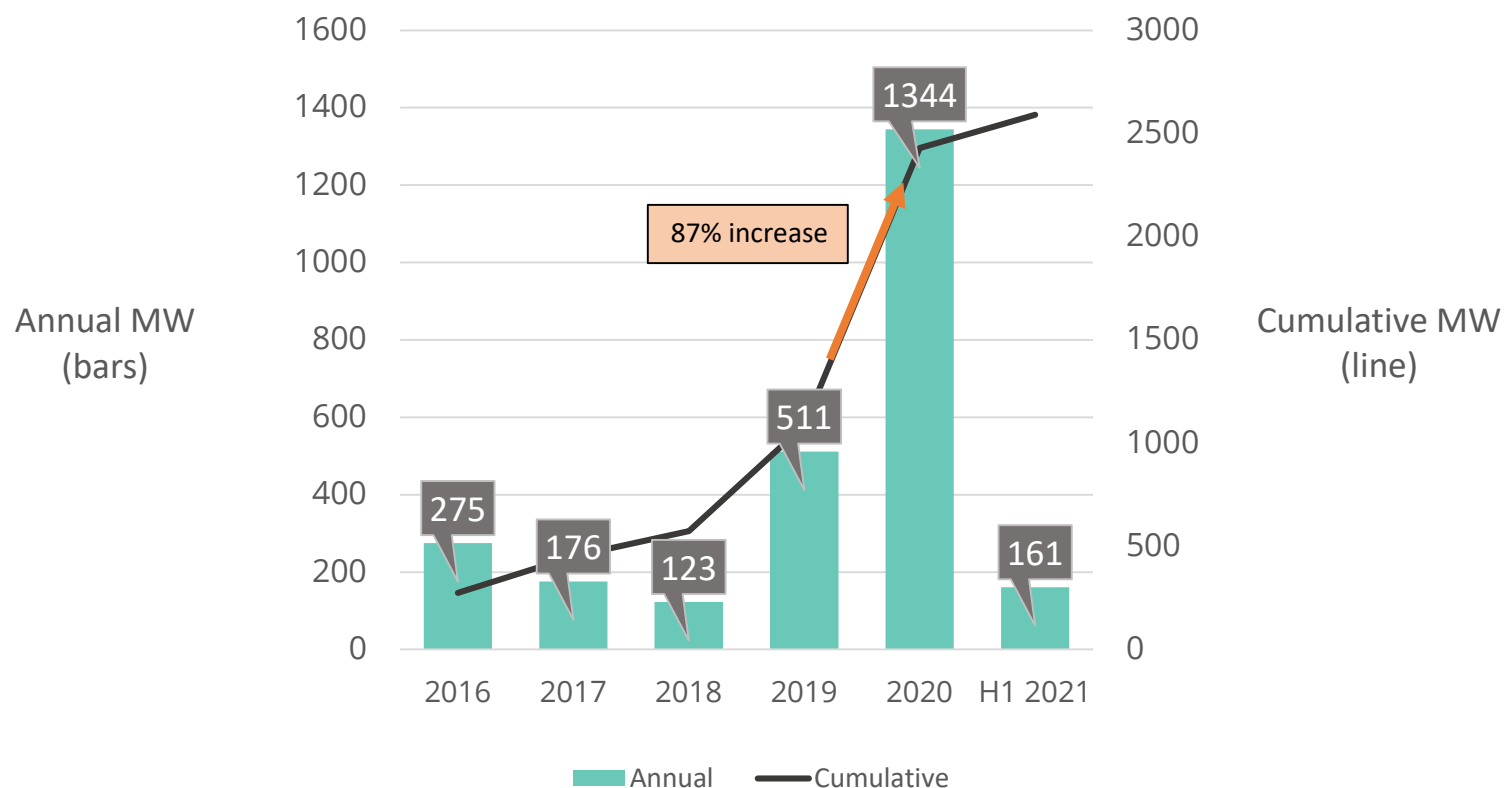


Existing goal mechanisms

RE100

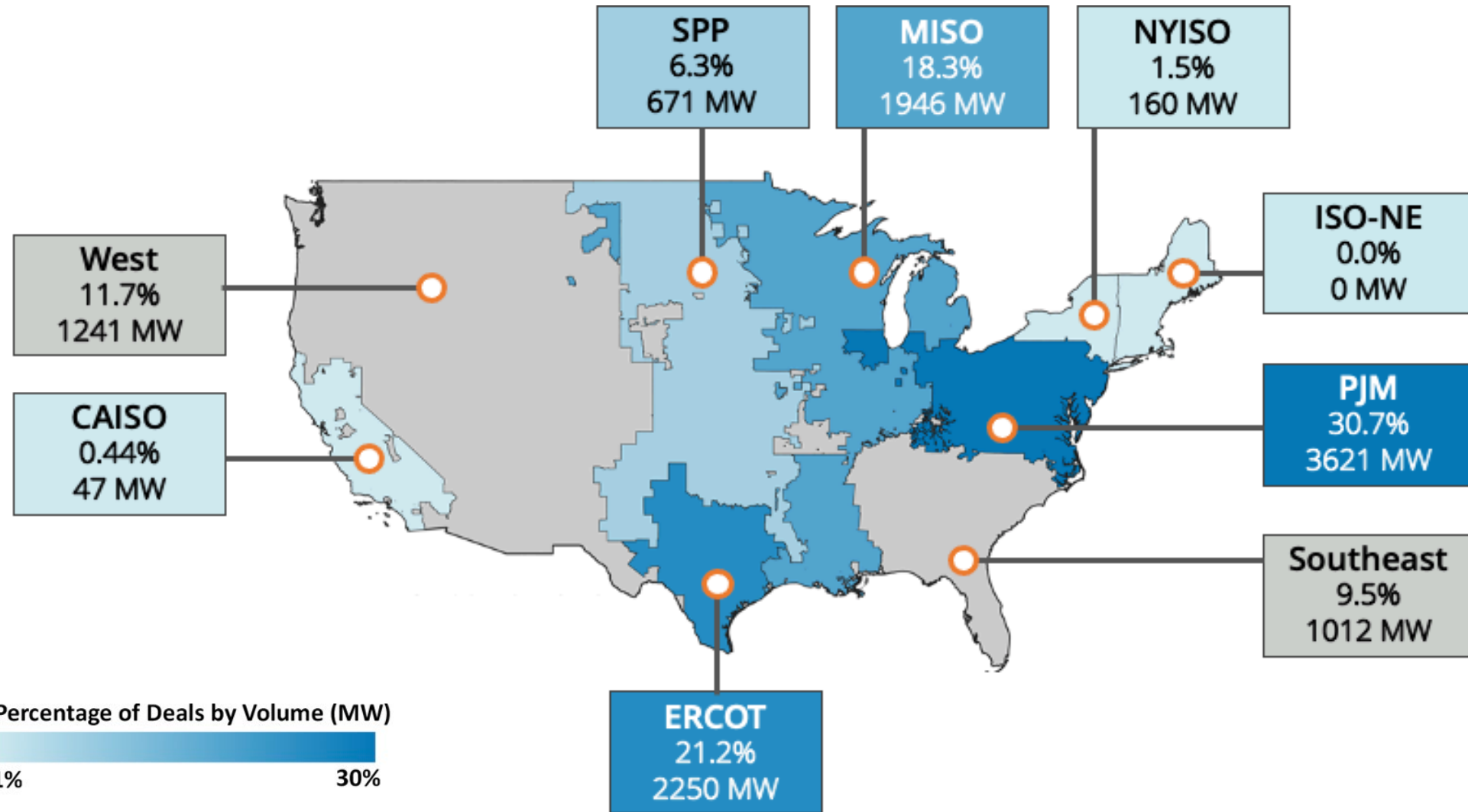


Heavy industry sector transactions (MW)

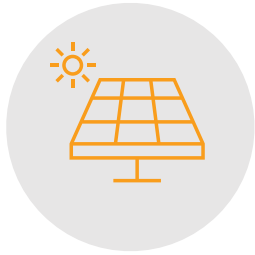




82% of Corporate Deals in Organized Wholesale Markets



Trends in Corporate Procurement



Solar and storage procurement

Solar PV accounted for **72% of all 2020 deals**

~88% storage cost reductions since 2010 is enabling transactions



The critical nature of scope 3 action

Scope 3 was 5.5 times larger than scopes 1 and 2 combined in 2019

Scope 3 is 11.4 times larger than scopes 1 and 2 combined with new data in 2020



Human-centered impacts

Upstream and downstream impacts of renewable energy projects

PANEL DISCUSSION

- Moderator: Holly Elwood – Environmentally Preferable Purchasing, EPA
- **Steve Chriss** - Energy Services, Walmart
- **Stacy Miller** - Energy and Climate Regulatory Policy, City of Minneapolis
- **Michael Forrester** - Office of Environment and Sustainability, City of Cincinnati
- **Peter Nierengarten** - Environmental Director. City of Fayetteville, AR





Questions



Additional Webinars to be aware of

- EPA Webinar Series: 24/7 Hourly Matching
 - Webinar 1: **Introduction to 24/7 Matching**
Wednesday, September 15, 2021
2:00-3:30 PM ET
 - Webinar 2: **24/7 - The Corporate Experience**
Wednesday, September 22, 2021
1:00-2:00 PM ET
 - [Register Today](https://www.zoomgov.com/webinar/register/WN_og8zfWAIswyR1yfDu3mUVA)
https://www.zoomgov.com/webinar/register/WN_og8zfWAIswyR1yfDu3mUVA