To: Policymakers, media, businesses, and other interested parties

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Subject: Clean Economy Works: December 2025 Analysis

TOPLINE FINDINGS (2025 AT A GLANCE)

- **Three dollars abandoned for every dollar announced:** In 2025, clean energy cancellations and downsizes totaled $34.8 billion, nearly three times the $12.3 billion in new investment announced—producing a sharply negative return on clean energy investment activity.
- **38,031 manufacturing jobs eliminated:** Project reversals and factory closures wiped out more clean energy jobs in 2025 than in all prior tracked years combined, resulting in a net loss of more than 15,000 jobs.
- **$30.2 billion in manufacturing losses:** Manufacturing facilities accounted for nearly all cancelled investment and job losses, underscoring the vulnerability of capital-intensive domestic clean energy supply chains.
- **EV and battery projects dominated reversals:** Electric vehicle and battery/storage projects alone accounted for more than $21 billion each in lost investment, driving the bulk of 2025's cancellations.
- **Economic impacts were national and bipartisan:** Republican-held districts lost $19.9 billion and 24,500 jobs while Democratic-held districts lost $10.6 billion and 12,600 jobs. Major losses occurred in states that had previously led clean energy manufacturing growth, including Michigan, Illinois, Georgia, New York, and Arizona.
- **$5.1 Billion and 8,000 jobs cancelled in December**: December drove one of the largest cancellation surges on record, with late-year EV and battery project reversals pushing 2025 investment losses to historic levels.

INTRODUCTION

This Clean Economy Works (CEW) analysis is part of E2's ongoing monthly tracking of large-scale clean energy project announcements, cancellations, closures, and downsizes across the United States. This analysis monitors private-sector investment in clean energy manufacturing, generation, and grid infrastructure projects since federal energy tax credits were passed in August 2022. The tracking excludes projects that began, were proposed, sited, or in anyway began development prior to the federal Inflation Redution Act (IRA), as well as those funded entirely by federal sources or lacking specific geographic data. CEW measures key indicators including investment value, job creation or losses, project types (manufacturing, generation, research and development), and distribution by sector, state, and congressional district.

Beginning in 2025, CEW expanded its methodology to comprehensively track cancellations, closures, and downsizes dating back to August 2022, reflecting rising business uncertainty amid increasing policy attacks targeting clean energy industries culminating the rollback and restriction of key energy tax credits in mid-2025. Temporary delays and ownership transfers that do not reduce production capacity are excluded.

Together, the data provide a clear picture of a U.S. clean energy economy that entered 2025 with momentum—but exited the year facing mounting instability, record reversals, and eroding investor confidence.

YEAR-END 2025 OVERVIEW

At the end of 2025, the U.S. clean energy economy reached a clear inflection point. While companies continued to announce new investments—albeit fewer and with less capital per project that recent years—the pace and scale of cancellations, closures, and downsizes accelerated dramatically. The result was the largest annual reversal of clean energy investment since E2 began tracking in 2022.

The data show not simply a slowdown, but a fundamental imbalance: **for the first time, project losses far outpaced project gains**, particularly in manufacturing sectors that had driven much of the post-IRA investment surge. This imbalance was felt across regions, industries, and political boundaries.

Key findings from 2025 include:

- **Nearly $3 abandoned for every $1 announced.**
  Companies cancelled, closed, or downsized **$34.8 billion** in clean energy projects in 2025—almost **three times** the **$12.3 billion** in new investment announced during the year. This 3-to-1 imbalance marks a stark shift from prior years, when new announcements consistently exceeded losses and drove net growth.
- **More than 38,000 clean energy jobs erased despite continued announcements.**
  Project reversals in 2025 eliminated **38,031 jobs**, outweighing the **22,905 jobs announced** and resulting in a **net loss of more than 15,000 expected clean energy jobs**. No previous year tracked by E2 saw job losses on this scale, underscoring how quickly employment gains can evaporate when projects are abandoned.
- **Manufacturing accounted for nearly all investment and job losses.**
  Of the projects cancelled or downsized in 2025, **manufacturing facilities alone accounted for more than $30 billion in lost investment and nearly 38,000 lost jobs**. These capital-intensive projects—often tied to EVs, batteries, and grid equipment—proved especially vulnerable to shifts in market conditions and long-term policy uncertainty.
- **EV and battery projects drove the bulk of reversals across the supply chain.**
  Electric vehicle and battery/storage projects together represented **more than $21 billion each in lost investment**, reflecting instability that rippled across domestic auto manufacturing, battery production, and related suppliers. Many cancellations overlapped categories, illustrating how disruptions in one part of the supply chain can cascade through others.
- **Losses were widespread and bipartisan, affecting communities nationwide.**
  Clean energy project reversals were not confined to any single region or political geography. **Republican-held congressional districts lost $19.9 billion and more than 24,500 jobs**, while **Democratic-held districts lost $10.6 billion and more than 12,600 jobs**, with additional losses in districts yet to be determined. Several states that had previously led clean energy growth—such as Michigan, Illinois, Georgia, New York, and Arizona—experienced some of the steepest reversals.

Together, these findings show that 2025 was not simply a year of slower growth, but a year in which **policy and market uncertainty translated directly into lost investment, lost jobs, and stalled manufacturing capacity**. The scale and speed of these reversals underscore how fragile clean energy momentum can be when long-term signals weaken.

ANNOUNCEMENT FINDINGS

Despite mounting uncertainty, companies continued to announce new clean energy projects in 2025, though at a significantly reduced pace compared to earlier years.

EV and battery storage continued to dominate new investments, accounting for nearly **half of all investments announced and nearly 60 percent of** announced jobs. Grid, transmission, and electrification projects led by project count, reflecting ongoing demand for grid upgrades and electrification infrastructure, while battery/storage, EV, and solar projects made up the majority of remaining large-scale projects launched in 2025.

Geographically, announcements were concentrated primarily in the Southeast and parts of the Midwest. States such as **Texas, Tennessee, South Carolina, Kentucky, and North Carolina** accounted for a disproportionate share of new activity, often tied to existing manufacturing footprints or incremental expansions rather than entirely new production hubs.

Compared with the surge in announcements seen in 2022 and 2023, however, 2025 activity reflected a more cautious posture, with companies committing smaller amounts of capital and fewer jobs.

December Announcements
December included several notable manufacturing commitments, including major battery and solar investments in Kentucky and Texas. $238 million and 3,060 jobs from across six new projects were announced in December.

- **Ford & CATL (Kentucky):** major battery manufacturing investment with more than **2,100 jobs**
- **Toyo Solar (Texas):** $26.7 million solar manufacturing facility creating **750 jobs**
- **Anthro Energy (Kentucky):** battery manufacturing expansion creating **110 jobs**

CANCELLATION FINDINGS

Cancellations and downsizes accelerated dramatically in 2025, reaching levels not previously observed by E2's tracking.

The **61 projects cancelled, closed, or downsized during the year** represented $34.8 billion in abandoned investment and over 38,000 lost jobs. For comparison, investment losses totaled just over $1 billion in 2023 and $2.5 billion in 2024, highlighting how abruptly conditions deteriorated.

Manufacturing projects accounted for more than $30 billion in lost investment and nearly 38,000 lost jobs, reflecting the vulnerability of capital-intensive facilities that require long planning horizons and stable policy signals.

EV and battery/storage projects were particularly hard hit, together accounting for the majority of cancellations. These projects often anchor broader supply chains, meaning their cancellation reverberates across related manufacturers, suppliers, and communities.

December Cancellations
December also featured some of the largest and most consequential cancellations of the year, impacting multibillion-dollar EV and battery projects in Tennessee, Ohio, Michigan, and Kentucky. Several of these projects had been viewed as cornerstone investments for regional manufacturing growth, making their cancellation particularly disruptive for local economies and workforces.

More than $5 billion and nearly 8,000 jobs were lost from eight December cancellations, restructrings, and downsizes—making the month one of the hardest-hit in 2025.

- **SK On (Tennessee):** $2.8 billion battery/EV project cancelled, **3,300 jobs lost**
- **Ford (Ohio):** $1.5 billion EV manufacturing project cancelled, **1,800 jobs lost**
- **Ford & CATL (Kentucky and Michigan):** significant restructuring and downsizing totaling **$500 million+** in reduced investment
- **Mullen Automotive (multiple states):** multiple closures and cancellations eliminating more than **1,000 jobs**

STATE-LEVEL IMPACTS

While clean energy cancellations occurred nationwide, several states experienced especially severe losses. **Michigan** saw the largest overall impact, with **13 projects cancelled or downsized**, resulting in **$8.1 billion in lost investment and over 9,000 jobs eliminated**. Other states with significant losses included **Illinois, Georgia, New York, Arizona, and Ohio**, many of which had previously ranked among the leaders in clean energy manufacturing growth.

- **Michigan:** 13 projects; **$8.1 billion lost**; **9,000 jobs**
- **Illinois: $3.2 billion lost**; **1,000 jobs**
- **Georgia: $2.9 billion lost**; **1,000 jobs**
- **New York: $3.0 billion lost**; **470 jobs**
- **Arizona: $1.75 billion lost**; nearly **3,900 jobs**

The concentration of losses in these states highlights the economic stakes for regions that had positioned themselves as clean energy manufacturing hubs and now face stalled projects and reduced employment prospects.

CONGRESSIONAL DISTRICT IMPACTS

Cancellations and downsizes affected **both Republican- and Democratic-held districts** heavily in 2025:

- **Republican districts:** $19.9 billion lost; **24,500+ jobs**
- **Democratic districts:** $10.6 billion lost; **12,600+ jobs**
- **Undetermined districts:** nearly $4.0 billion lost

The data reinforce that clean energy investment volatility is not confined to any single region or political geography.

CONCLUSION

By the end of 2025, the U.S. clean energy economy crossed a clear and consequential threshold. For the first time since E2 began tracking, **more clean energy investment left U.S. communities than came in**. Companies abandoned, closed, or downsized nearly **three dollars in clean energy investment for every one dollar newly announced**, reversing the net flow of capital that had defined the post-2022 clean energy expansion.

This imbalance—**$34.8 billion in cancelled or reduced investment compared with $12.3 billion in new announcements**—was not simply the result of a slowdown in new projects, but of a surge in reversals among large, capital-intensive manufacturing facilities. These projects were expected to anchor domestic supply chains, create long-term jobs, and position U.S. communities as hubs for clean energy production. Instead, their cancellation left communities with fewer jobs, stranded infrastructure plans, and lost economic opportunity.

The implications extend beyond local impacts. Investment that no longer moves forward in the United States does not disappear—it is increasingly redirected to **foreign markets and U.S. competitors offering more predictable policy environments, clearer incentives, and greater long-term certainty**. As a result, 2025 marked not only a year of lost domestic investment, but a shift in where future clean energy manufacturing capacity is likely to be built.

The experience of 2025 demonstrates how quickly momentum can reverse when long-term signals weaken. Clean energy manufacturing investment depends on stability, scale, and confidence. When those conditions erode, capital moves—and once it does, communities, workers, and supply chains are left competing to win it back.

ABOUT THIS ANALYSIS

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Announcements
Projects that began development, were proposed, or applied for local and state approval before the passage of the Inflation Reduction Act (IRA) are not included. This analysis also does not include investments in which the federal government has provided financial resources for the complete project, lease sales, projects in which an announcement was made but lacked specific geographic information, etc. Details on projects came from news reports on new and related projects; press releases from companies announcing new developments; and government announcements.

Cancellations, Closures, Downsizes
This tracking includes all projects, plants, operations, or expansions that were cancelled or closed since passage of the IRA in August 2022. This does not include announced layoffs that are not associated with a project downsizing unless there is a stated decease in production output. This list also does not include the transfer of project ownership, if production will continue under the new ownership, power purchasing agreements, or other similar type of announcements. Project delays or idling of facilities are not included unless there in an announced decrease in production or investment or unless the project will need to be restarted to proceed in the future.

APPENDICES

Tables detailing the 85 large-scale clean energy project announcements and 61 project cancellations, closures, and downsizes made since January 1, 2025 are below.

- **Appendix A** | Latest projects announced
- **Appendix B** | Latest project abandonments
- **Appendix C** | Projects announced by year 2022- 202
- **Appendix D** | Total projects abandoned by year 2022-2025
- **Appendix E** | Total projects announced by sector; Jan. 2025 –
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- **Appendix I** | Total projects announced by congressional district; Jan. 2025 –
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- **Appendix K** | Total projects announced by state; Jan. 2025 –
- **Appendix L** | Total projects abandoned by state; Jan. 2022 -

An updated list and map of the clean energy announcements a tracked by E2 can be found at https://e2.org/project-tracker.

APPENDIX I | Latest project announcements

Date	Developer	State	Source	Sector	Type	Jobs	Investment
12/4/25	Desert Mountain Energy	NM	Link	Battery/Storage	Manufacturing	0	$170,000,000
12/12/25	Anthro Energy	KY	Link	Battery/Storage	Manufacturing	110	$42,000,000
12/15/25	Ford & Contemporary Amperex Technology	KY	Link	Battery/Storage	Manufacturing	2,100	
12/16/25	Giga Energy	TX	Link	Grid, Transmission and Electrification	Manufacturing	100	
12/16/25	Sanmina	TX	Link	Grid, Transmission and Electrification	Manufacturing		
12/22/25	Toyo Solar	TX	Link	Solar	Manufacturing	750	$26,720,000

APPENDIX II | Latest project abandonments

Date	Developer	State	Source	Status	Sector	Type	Jobs Lost	Investment Lost
12/2/25	Mullen Automotive	MS	Link	Cancelled	EV	Manufacturing	800	$336,000,000
12/2/25	Bollinger Motors	MI	Link	Closed	EV	Manufacturing	118	$22,000,000
12/2/25	Mullen Automotive	CA	Link	Closed	Battery/ Storage; EV	Manufacturing	200	$3,500,000
12/2/25	Bollinger Motors	MI	Link	Closed	EV	Manufacturing	119	$22,000,000
12/11/25	SK On	TN	Link	Cancelled	EV; Battery/ Storage	Manufacturing	3,300	$2,800,000,000
12/15/25	Ford	OH	Link	Cancelled	EV	Manufacturing	1,800	$1,500,000,000
12/15/25	Ford & Contemporary Amperex Technology	KY	Link	Restructure	EV; Battery/ Storage	Manufacturing	1,600	
12/16/25	Ford & Contemporary Amperex Technology	MI	Link	Downsized	EV; Battery/ Storage	Manufacturing		$500,000,000
12/2/25	Mullen Automotive	MS	Link	Cancelled	EV	Manufacturing	800	$336,000,000

APPENDIX III | total projects announced by year 2022-2025

Year	Projects	Investment Announced	Jobs Announced
2022	70	$41,269,500,000	28,831
2023	188	$65,644,200,000	59,986
2024	85	$15,863,729,000	18,820
2025	85	$12,349,195,000	22,905
Total	**428**	**$135,126,624,000**	**130,542**

APPENDIX IV | total projects cancelled, closed, downsized by year 2022-2025

Year	Projects	Investment Lost	Jobs Lost
2022	0	0	0
2023	10	$1,019,000,000	2,122
2024	15	$2,471,500,000	8,346
2025	61	$34,764,800,000	38,031
Total	**86**	**$38,255,300,000**	**48,499**

APPENDIX V | total projects announced by sector; Jan. 2025 —

Sector	Projects	Investment Announced	Jobs Announced
Battery/Storage	19	$1,484,300,000	6,709
Biofuel	0	$0	0
Energy Efficiency	0	$0	0

EV	19	$4,277,800,000	6,070
Geothermal	0	$0	0
Grid, Transmission and Electrification	34	$3,894,750,000	8,072
Hydrogen	4	$1,901,300,000	89
Semiconductor	0	$0	0
Solar	16	$2,874,020,000	5,899
Wind	4	$100,000,000	0

**totals will not match overall figures as some projects are categorized into multiple sectors*

APPENDIX VI | total projects cancelled, closed, downsized by sector; Jan. 2025 —

Sector	Projects	Investment Lost	Jobs Lost
Battery/Storage	31	$21,135,000,000	21,479
Biofuel	0	$0	0
Energy Efficiency	0	$0	0
EV	35	$21,632,800,000	27,190
Geothermal	0	$0	0
Grid, Transmission and Electrification	1	$150,000,000	600
Hydrogen	4	$1,460,000,000	1,080
Semiconductor	0	$0	0
Solar	5	$2,200,000,000	1,300
Wind	2	$1,300,000,000	100

**totals will not match overall figures as some projects are categorized into multiple sectors*

APPENDIX VII | total projects announced by type; Jan. 2025 —

Type	Projects	Investment Announced	Jobs Announced
Generation	7	$2,388,000,000	0
Manufacturing	73	$9,739,695,000	22,675
Recycling, Repair, and Maintenance	3	$32,700,000	52
R&D	2	$188,800,000	178

APPENDIX VIII | total projects cancelled, closed, downsized by type; Jan. 2025 —

Type	Projects	Investment Lost	Jobs Lost
Generation	5	$4,520,000,000	130
Manufacturing	55	$30,244,800,000	37,763
Recycling, Repair, and Maintenance	0	$0	0
R&D	1	$0	138

APPENDIX IX | total projects announced by congressional district; Jan. 2025 —

Party	Projects	Investment Announced	Jobs Announced
Republican	52	$5,738,775,000	16,532
Democratic	26	$6,102,920,000	6,127
Unknown	7	$250,550,000	246

APPENDIX X | total projects cancelled, closed, downsized by congressional district; Jan. 2025 —

Party	Projects	Investment Lost	Jobs Lost
Republican	29	$19,852,500,000	24,519
Democratic	25	$10,602,300,000	12,608
Unknown	7	$3,990,000,000	904

APPENDIX XI | total projects announced by state; Jan. 2025 —

State	Projects	Investment Announced	Jobs Announced
Alabama	1	$1,200,000,000	200
Arkansas	1	$0	25
Arizona	1	$53,000,000	600
California	3	$2,150,000,000	1,200
Florida	3	$4,000,000	50
Georgia	6	$421,000,000	2,100
Illinois	5	$205,100,000	389
Indiana	1	$363,000,000	2,000
Kentucky	4	$1,995,500,000	2,310
Louisiana	1	$8,500,000	29
Michigan	4	$446,500,000	480
Missouri	2	$150,000,000	291
Mississippi	4	$276,950,000	650
North Carolina	7	$579,300,000	1,008
North Dakota	1	$0	0
New Hampshire	1	$0	0
New Jersey	1	$0	0
New Mexico	1	$170,000,000	0
New York	2	$10,000,000	19
Ohio	1	$19,500,000	80
Pennsylvania	6	$467,400,000	1,581
South Carolina	7	$1,029,200,000	2,070
Tennessee	8	$463,800,000	968

Texas	8	$1,696,720,000	4,650
Virginia	5	$519,725,000	1,745
Wisconsin	1	$0	200

APPENDIX XII | total projects cancelled, closed, downsized by state Jan. 2025 –

State	Projects	Investment Lost	Jobs Lost
Alabama	1	$0	45
Arizona	5	$1,750,000,000	3,895
California	3	$2,203,500,000	338
Colorado	1	$190,000,000	332
Georgia	3	$2,932,000,000	1,077
Illinois	1	$3,200,000,000	1,000
Indiana	2	$2,443,000,000	1,740
Kansas	1	$0	900
Kentucky	2	$310,000,000	1,730
Massachusetts	2	$370,000,000	100
Michigan	13	$8,158,800,000	9,030
Missouri	1	$574,000,000	150
Mississippi	2	$836,000,000	2,800
North Carolina	1	$1,400,000,000	1,062
New York	7	$3,000,000,000	470
Ohio	3	$2,260,000,000	3,870
Oklahoma	3	$0	2,500
Oregon	1	$0	418
South Carolina	3	$1,700,000,000	1,520
Tennessee	3	$2,952,500,000	4,190
Washington	2	$15,000,000	264
West Virginia	1	$150,000,000	600

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