

# Challenges & Success of Solar Adoption

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# Challenges & Success of Solar Adoption About Orange & Rockland



**Orange & Rockland Service Territory** Our service area  
Orange & Rockland Service Territory Map showing New York and New Jersey counties where we offer service.



305k

electric customers served



133k

natural gas customers served



1,350

square miles served



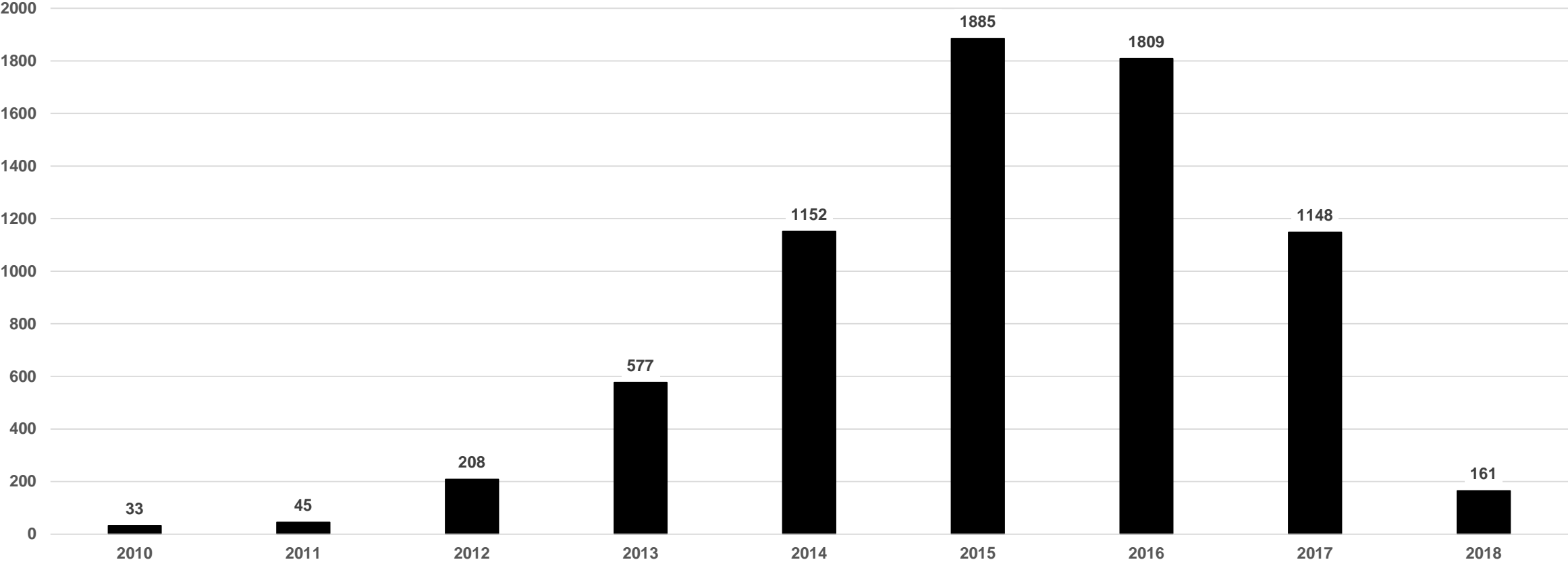
1,129

employees

# Challenges & Success of Solar Adoption

## PV Applications Reviewed each Year

Applications Received each Year



# Challenges & Success of Solar Adoption

## Challenges

- Internal Resource Constraints
  - Growing number of applications required a better solution than Excel
  - Corporate website makeover ([www.oru.com/solar](http://www.oru.com/solar))
- Regulatory Challenges
  - [Interconnection Online Application Portal \(IOAP\) Requirements](#)
  - Evolving New York Standard Interconnection Requirements (SIR)
- Stakeholder engagement and feedback needed to be incorporated
  - Internal and External

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## Solution to Challenges

- Define internal roles & responsibilities
  - Who is the best contact/group to respond to this question?
- Solution should be configurable for future requirements
  - How would new changes be configured?
- Stakeholder engagement is critical
  - How does this compare with others in the state/industry?

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## Next Steps - Research & Development

- Enabling Extreme Real-time Grid Integration of Solar Energy (ENERGISE)
  - \$1.8 million award from the U.S. Department of Energy SunShot Initiative for research aimed at improving the electric grid's ability to accommodate power generated from renewable energy sources.
- NYSERDA PON 3397 with EPRI
  - This project will enable future distribution systems to operate using continuous optimization and active control of PV in concert with existing legacy assets and new solution technologies. The development will be open and transferable to DMS vendors.
- NYSERDA PON 3026 with Clean Power Research & EDD
  - Objective is to build a DER Interconnection Assessment Application with automation.
- Demonstration Project Implementation
  - Dynamic power factor adjustments for 1MW – 5 MW projects with Smarter Grid Solutions.
  - Low cost Monitoring & Control solutions for <750kW solar projects.

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