



Your Touchstone Energy® Cooperative 

# 2018 Renewable Energy Report

United Power continues to be a leader in renewable energy integration. Since 2009 when United Power energized Colorado's first community solar farm, the cooperative continues to look for new and unique ways to integrate renewable sources. United Power recognizes that the future of electrical generation will be an "all of the above" strategy of investing in a variety of generation sources, and responding to the wants and needs of our membership.

Projects like our large scale solar fields and the methane recapture plant make sense on multiple fronts. These projects reduce carbon emissions, but they also make economic sense. They produce generation that we can purchase for our members at a predictable cost, with a predictable lifespan. The newest Community Battery Storage project will help us lower wholesale demand costs and allow United Power to bring more renewable generation onto the system. All of these projects build some cost stability for our cooperative members.

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**UNITED POWER LEADS ALL COOPERATIVES**  
in the Tri-State Generation & Transmission family  
**FOR INCORPORATION OF DISTRIBUTED GENERATION**

**TOTAL RENEWABLE GENERATION**  
**60 MW**  
12% capacity • 5% energy

**POWERING 14,500 HOMES**  
20% OF ALL RESIDENTIAL CUSTOMERS

**38.5 MW** UTILITY SCALE SOLAR

**2015 CO-OP PARTNER OF THE YEAR**  
by the Colorado Solar Energy Industries Association (COSEIA)

**Rooftop Solar**

**2,900** rooftop systems

**3.3%** of total meters

**18 MW** small rooftop systems total

**RANKED 5<sup>th</sup> in the nation** among co-ops for cumulative solar installations

2017 Utility Solar Market Snapshot—July 2018  
The Smart Electric Power Alliance (SEPA)

## Major Renewable Milestones

2009	2011	2012	2015	2016	2017	2018
First community solar in Colorado <b>32 members</b> lease <b>96 panels</b> located on United Power's property	Erie Landfill Methane to Megawatts project <b>3 MW</b> 90% baseload factor serving <b>2,400 homes</b>	United Power's first utility scale project: Hangar 160 Solar Field <b>2 MW</b> system serving <b>333 homes</b>	Record year for rooftop <b>894 rooftop</b> systems added <b>2<sup>nd</sup></b> in the nation for rooftop solar growth <b>6 MW</b> of rooftop solar added in one year	Silicon Ranch Partnership energized a total of <b>20.5 MW</b> utility scale solar Fort Lupton + Mead Solar <b>13MW + 7.5MW</b>	A third partnership with Silicon Ranch energizes a <b>16 MW</b> solar field powering <b>4,500 homes</b>	United Power & SoCore Energy announce plans for two Tesla Battery Storage Systems totaling <b>4.5 MW/18 MWh</b>