



**Bella**  
**ENERGY**

Capture The Sun



**BELLA ENERGY BRIEFING**  
solar energy expertise since 1982



# TABLE OF CONTENTS

2

Who We Are & Clients ...3
Our Services ...4
Company Awards ...5
Bella Energy Management ...6
Project Focus: Boulder County ...7
Project Focus: Town of Superior ...8
Project Focus: City of Lafayette ...8
Project Focus: City of Broomfield ...9
Project Focus: City of Louisville ...9
Project Focus: Army National Guard ...10
Project Focus: University of Colorado ...10
Project Focus: Kent Denver ...11
Project Focus: Colorado State University ...11

## CONTACT BELLA ENERGY

500 S. Arthur Ave. #400  
Louisville, CO 80027

T: 303-665-2100

F: 303-666-7467

[www.bellaenergy.com](http://www.bellaenergy.com)



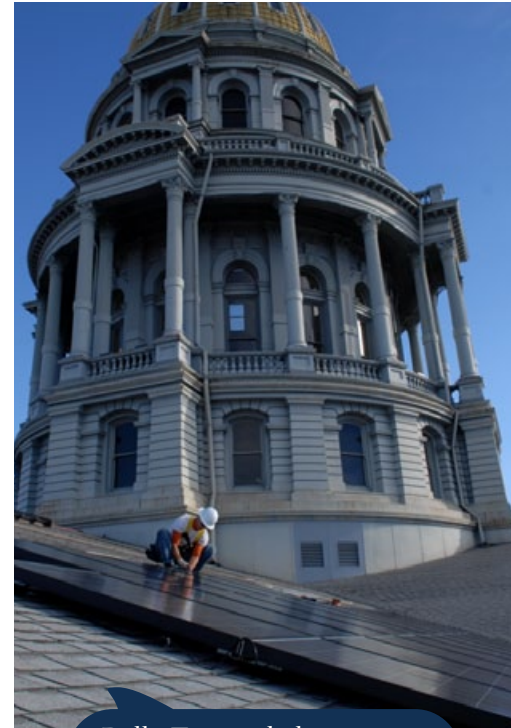
Bella Energy provides solar energy development and financing for non-profits, businesses and communities throughout the United States and around the world.

## REGIONAL CLIENTS

- » Antonito School District
- » Army National Guard
- » Big-D Construction
- » City of Boulder
- » Boulder County
- » Boulder Housing Partners
- » Bureau of Land Management
- » City of Carbondale
- » Chevron
- » Colorado Army National Guard
- » Colorado School of Mines
- » Colorado State University
- » Dinosaur National Monument
- » Eco Products
- » City of Fort Collins
- » General Dynamics
- » The Home Depot
- » Honeywell
- » Johnson Controls
- » Kent Denver School
- » KMGH TV
- » Kong Dog Products
- » National Park Service
- » Our Savior's Lutheran Church
- » Poudre School District
- » Rocky Mountain National Park
- » Salt Lake County
- » Shaw Construction
- » Shae Homes
- » State of Colorado
- » Sun Edison
- » University of Colorado at Boulder
- » Veterans Administration
- » Whiting-Turner Construction

## INTERNATIONAL CLIENTS

- » Center for Resource Solutions
- » City of Dushanbe, Tajikistan
- » Conservation International
- » Institute for International Education
- » International Finance Corporation
- » National Renewable Energy Research Laboratory
- » Siemens AG
- » Solar Electric Light Fund
- » The Nature Conservancy
- » The World Bank
- » Trees, Water, People
- » USAID
- » US Peace Corp.



Bella Energy helps power the Colorado State Capitol.

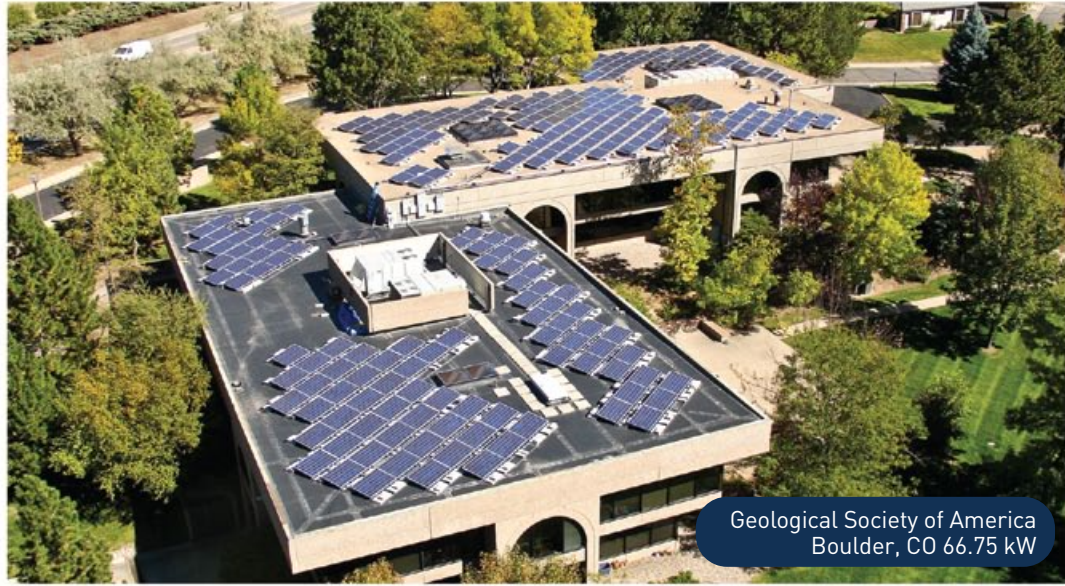
## WHO WE ARE

Bella Energy delivers high-performing, top-quality solar solutions to governments, corporations, and non-profits. Our solar energy systems represent 30 years of experience and the advanced training of our Design, Engineering and Operations departments. We excel in the design, engineering, and financing of durable PV systems to meet each of our client's specific needs and concerns.



## ONE OF THE NATION'S MOST EXPERIENCED SOLAR DEVELOPERS

- » Thirty-year-old design/build solar energy developer
- » Leader in solar energy and sustainability in the US and around the world
- » Experience with federal, state and municipal governments, non-profits, business and international clients
- » 7.5 MW of installed projects
- » Skilled design/build technical team with multiple certified North American Board of Certified Solar Practitioners (NABCEP)



## OUR SERVICES

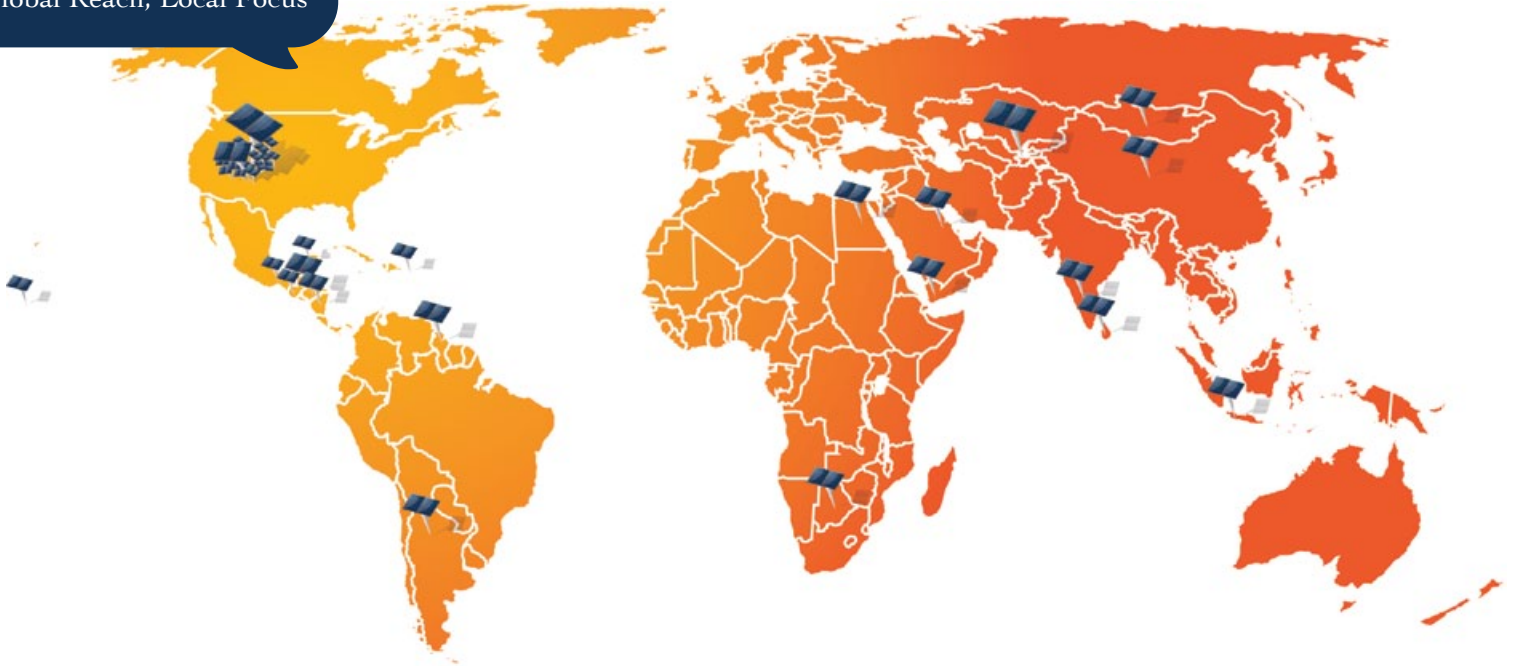
- » Solar energy financing
- » System design and engineering
- » Solar energy consulting
- » Equipment procurement
- » Solar installation and integration

Bella Energy provides expert solar consulting, design, engineering, procurement and installation services to clients throughout the Rocky Mountain Region and around the world.



# BELLA ENERGY BACKGROUND

Global Reach, Local Focus



## COMPANY AWARDS

Federal — Department of Energy (DOE) | Housing & Urban Development (HUD) | Environmental Protection Agency (EPA)

State & Local — State of Colorado | City of Boulder | City of Ft Collins Utilities | Boulder County Business Report

International — Boulder Sister City Program (Dushanbe Tajikistan) | U.S. Agency for International Development (USAID)

Industry — Sharp Solar | Siemens Corp | American Public Works

Trade & Policy — Colorado Solar Energy Industries Association

Non-profit — Center for Resource Solutions | Trees Water People | Lakota Sioux Nation



**Jim Welch**  
CEO

30 years solar business experience, President, Colo. Solar Energy Association, 2008 - 2009  
MS, Solar Technology, Ariz. State Univ., B.A. Univ. of Colorado



**Andrew McKenna**  
COO

26 years solar and energy conservation business experience, Association of Energy Engineers (AEE), BA, Environmental Science, Wesleyan University



**Jeff Altman**  
VP of Sales  
and Marketing

20 years executive-level industrial hardware and software sales and marketing to govt. utilities and private industry. MBA, University of Denver, BSEE CU, BSPE Co. Sch. of Mines



**Dana Mosman**  
Director of Field  
Operations

4 years managing over 450 solar projects, NABCEP certified for PV, B.S. in Business, University of Colorado, Boulder



## BOULDER COUNTY

“Over the life of the system, the average amount of what the county will pay per kilowatt hour for electricity produced by the new solar systems will be half of what we currently pay to Xcel Energy.”

Keith Ickes,

Boulder County Administrative Services Director



Bella Energy has installed over 842 kW of solar electric systems for Boulder County, across 11 different properties. The systems provide over 960,000 kWh of clean energy every year, reducing Boulder County's carbon footprint by nearly 2,000,000 pounds annually.

The solar electric systems designed by Bella Energy cover over 6% of the total electrical usage for Boulder County facilities, and provide significant electrical savings year after year.

- » Projects across 9 different facilities
- » Largest municipal installation in the Rocky Mountain Region, 2008
- » Financed with power purchase agreement (PPA)
- » Covers over 6% of Boulder County's total electrical usage



## TOWN OF SUPERIOR



Designed to cover over 8% of the Town of Superior's electric consumption, the 198 kW project covered 2 different sites.

The ground mounted 99 kW arrays are located at the waste water and water treatment facilities. Annually the systems produce more than 280,000 kWh of clean energy and reduce the Town's electric costs by more than \$14,000. In addition, the town receives \$22,800 per year in renewable energy credit payments from the local utility. In total the Town's investment will produce a perpetually positive cash flow in excess of \$500,000.

## CITY OF LAFAYETTE

Completed in the summer of 2011, Bella Energy's 140 kW project with the City of Lafayette provides power to 2 unique sites.

The project was completed thanks to PPA financing arranged by Bella Energy, allowing the city to realize solar power without negatively impacting the budget.

The City of Lafayette project consists of a ground mount array at City Hall and a roof mounted system atop the Rec Center.



## CITY OF BROOMFIELD

Completed in mid 2011, Bella Energy provided the turnkey installation and financing consulting for a Sun Edison PPA with the City of Broomfield. The project is located at two sites; providing 189 kW of solar energy generation for the City.

The first is an 89 kW ground mounted array at the wastewater treatment plant. The second is a 100 kW ground mounted array for the Broomfield Detention Center. The array runs across a hilltop with highly variable terrain and very high wind speeds.



## CITY OF LOUISVILLE

In 2011, Bella Energy completed 298 kW of solar for the City of Louisville. The projects provide power to the City's water and waste water treatment plants.

Each array is a 99 kW ground-mount system located on variable terrain surrounding the water treatment centers.

Bella Energy provided a turnkey installation and financing partners for the project, allowing the City to realize greater savings v.s. a conventional purchase.



"Bella was terrific to work with. They helped us explore options, design the system, identify and evaluate specific locations for the components required at each of our three sites, and coordinate the acquisition and installation under tight deadlines. They delivered on all of their commitments."

Malcolm Fleming, City Manager  
City of Louisville



## ARMY NATIONAL GUARD



Colorado's Army National Guard base in Grand Junction, CO is now capturing the power of the sun thanks to a new solar electric installation from Bella Energy. The new 172 Kilowatt solar array provides enough power to offset 450,000 pounds of carbon emissions and represents another step forward in the Army's pursuit of energy security.

## UNIVERSITY OF COLORADO

Consisting of 99 kW across three facilities, Bella Energy helped the University of Colorado install solar energy on the Coors Event Center and the new Wolf Law Building. The project provides the University with over 140,000 kWh of carbon free energy every year. The University was able to purchase this system at a fraction of its conventional cost via one of Bella Energy's many financial partners.



## KENT DENVER SCHOOL

The 205 kilowatt self-ballasted solar system is flat-roof-mounted on the science buildings, producing more than 270,000 kilowatt hours of electricity per year for over 20 years. Kent Denver's Board of Directors understood Colorado electricity costs are increasing at approximately 7% per year. By utilizing solar PV, they were able to fix their cost per kWh for a large portion of their building's energy needs for the next 25 years.

In addition, the solar energy system provides valuable learning experiences for the students at the Kent Denver School.

The Kent Denver solar array is one of the largest prep school systems in the nation.



## COLORADO STATE UNIVERSITY

In 2010, Bella Energy completed the fourth solar energy project with Colorado State University. The new system provides clean energy for campus and shade for students, faculty and visitors parking at the Lake Street Parking Garage. The 132.5 Kilowatt solar electric system is the largest of the four Bella Energy systems, which total 179.79 kW.



“Bella Energy’s performance on the CSU Parking Garage was exceptional. The team was very proactive and resolved issues immediately. Their attention to detail is ‘best in class.’ They worked diligently with the project team and resolved issues with no interruption.

Bella Energy exceeded our expectations and {we} look forward to working with them again!”

Jason Glenn, Shaw Construction





 **Bella**  
ENERGY  
Capture The Sun

500 S. Arthur Ave. #400 Louisville, CO 80027 | 303-665-2100 | [bellaenergy.com](http://bellaenergy.com)

