\underline{B} urdick \underline{T} echnologies \underline{U} nlimited, LLC

701 Harlan Street, #64 Lakewood, Colorado USA 80214

303-274-4358 email: jb_btu@yahoo.com web site: sundogenergy.com

BACKGROUND INFORMATION

Founded	February 1996							
Mission	Dedicated to finding renewable energy solutions for the 21 st Century							
Joseph Burdick Founder, President	Education:M.S. Mat'ls Sci. & EngineeringWashington State University1980M.S. PhysicsPurdue University1970B.S. Physics / Gen'l ScienceHobart & Wm. Smith Colleges1970	8						
	1 yr. BHO Productions Denver, CO President, CEO							
Services Provided	 Photovoltaic (solar-electric) systems: design, sales, installation, service Various styles available: shingles, metal, roofing tiles, conventional Residential, commercial, educational, government applications Wind-turbine electric systems: small and community-scale Solar-related products (see below) and services (technical consulting) For R&D, consumer, commercial and military markets 							
Products (Currently Available or Under Development)	 Rigid and flexible photovoltaic modules; Foldable solar power packs PV Reference-cell packages; Irradiance, Temperature meter Photovoltaic Module I-V Curve Tracer (PMIT) (under development) Photovoltaic (PV) module testing and measurement equipment Neighborhood electric vehicles; EV charging stations; Transit shelters Solar Roller, Jr. (Portable, rollable stand-alone power unit) 							
PV & Wind Systems Installed	 Mt. Evans Observatory (Colorado): a-Si shingle, metal and CIS systems DOE's NREL: Outdoor PV Test Facility; Nat'l Wind Test Center (Golden, CO) Commercial: Big Horn Center, Phase 2 and Phase 3 (Silverthorne, CO) Institutional: Aspen, Denver, San Luis, Breckenridge, CO; Kaysville, UT Residential: Alamosa, Boulder, Denver, Erie, Golden, Granby, Lakewood, Monument, Morrison, Nederland, Wondervu, CO Residential: Ketchum, ID; Sundance, UT; Wyoming Wind-turbine systems: Golden, Lyons, CO; Eastern Plains; Wyoming 							

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Examples of Photovoltaic Installations

System	Location	Grid- Tied	Off- Grid	Batteries	PV Type	Peak DC Power	Date
Mt. Evans Summit	Mt. Evans, CO		X	X	Uni-Solar Shingles	1.6 kW	1997
Mt. Evans Observatory			X	X	Siemens CIS	1.3 kW	1999
Mt. Goliath Nature Center			X	X	Uni-Solar Metal	0.8 kW	2003
NREL Photovoltaic Outdoor Test Facility NREL Nat'l Wind Test	Golden, CO	X			Uni-Solar Shingles	1.2 kW	1998
Center Entrance Bldg.	Golden, CO		X	X	Uni-Solar Metal	0.8 kW	2002
Big Horn Center, Phase 2	Silverthorne, CO	X			Uni-Solar Metal	2.0 kW	1998
Big Horn Center, Phase 3	, , , , , , , , , , , , , , , , , , , ,	X			" " "	8.5 kW	2000
Yellow Brick School	Aspen, CO	X			Uni-Solar Metal	2.0 kW	1999
San Luis Headstart School	San Luis, CO	X		X	" " "	3.5 kW	2003
Stapleton Elem. School	Denver, CO	X			x-Si Modules	1.0 kW	2003
Valley Brook Childcare Ctr.	Breckenridge, CO	X			" " "	9.6 kW	2008
Residential (a-Si)	Wondervu, CO	X		X	Uni-Solar Metal	2.2 kW	2000
	Alamosa, CO		X	X	" " "	3.0 kW	2000
	Morrison, CO	X		X	" " "	3.0 kW	2004
	Erie, CO	X		X	" " "	2.6 kW	2005
	Boulder, CO	X		X	" " "	3.0 kW	2006
	Nederland, CO	X		X	" " "	2.5 kW	2006
Residential (x-Si)	Monument, CO	X			x-Si Modules	3.2 kW	2002
	Granby, CO		X	X	" " "	0.7 kW	2004
	Granby, CO		X	X	" " "	1.8 kW	2007
	Golden, CO	X			" " "	4.2 kW	2006
	Denver, CO	X			" " "	9.8 kW	2007
	Denver, CO	X			" " "	9.6 kW	2007
	Denver, CO	X			" " "	9.4 kW	2008
(Combined System)	Lakewood, CO	X			Uni-Solar, x-Si	5.7 kW	2009
Utah	Kaysville, UT	X			Uni-Solar Metal	1.0 kW	2002
	Sundance, UT	X			" " "	5.0 kW	2006
Idaho	Ketchum, ID	X			Uni-Solar Metal	3.5 kW	2002
Wyoming	Wyoming	X			Uni-Solar Shingles	1.0 kW	2004



Renewable Energy Solutions for the 21st Century

Joseph Burdick

President, CEO (303) 274-4358 jb_btu@yahoo.com

Tim Olsen

VP, Chief Financial Officer (303) 777-3341 tolsen@windtechnology.com

John W. Hall

VP, Manuf., Constr., Training (720) 435-9995 johnhall_00@yahoo.com

Richard Garb

Chief Operating Officer (303) 910-1490 rgarb@mac.com

PRODUCTS and **SERVICES**

- Photovoltaic (Solar-Electric) Systems: Design and Installation
 - Building-integrated photovoltaics (BIPV): shingles, metal, tiles, skylights
 - Conventional PV modules: rooftop, ground-mount and pole-mount
 - Residential, commercial, government, and educational applications
 - System sizes from kW to MW; Utility-tied and off-grid systems
 - Solar farms; PV manufacturing and assembly facilities
- Wind Systems: Design and Installation
 - Small, residential and commercial, wind-turbine systems
 - Mid-size and large turbines for community-scale wind projects
- Solar Thermal Systems
 - Concentrators w/tracking: large-area, trough systems and dish/Stirling systems for combined heat and power (CHP) production
 - Solar hot water and SolarWall® fresh-air heating systems
- Alternative **Transportation**
 - Solar-powered parking / charging stations for electric vehicles (EVs)
 - PV-powered transit shelters; parking-area and street lighting systems
- Alternative **Fuels**
 - Biofuel (diesel, ethanol) plant design, energy supply (electricity and thermal)
- Solar PV **Products**
 - Consumer products (solar toys, portable solar chargers, foldable power packs)
 - Photovoltaic test equipment (reference cells, module testing, etc.)
 - Data acquisition systems (DAS): control, monitoring, display, web sites
- Renewable Energy Education Program (through BHO Productions, LLC)