

2014 Huts/Yurts Lighting and Heating Systems

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Name of Hut/Yurt	LIGHTING SYSTEM USED	LIGHTING SYSTEM DETAILS	HEATING SYSTEM USED	HEATING SYSTEM DETAILS
Marceline and Emma Yurts	Off Grid, Solar, 12 Volt and Mobile Propane Lights	Propane Coleman Lanterns and solar lights in each yurt and outhouse	Wood Stove	Wood stove ; wood obtained from woodshed
Phoenix Ridge Yurts	Off Grid, Solar, 12 Volt	Two 6 volt RV storage batteries, a charge controller, CFL DC lights 5w, and a small inverter.	Wood Stove	Nice Waterford stove with slate top, stays warm and is tunable.
Maroon Hut/Forest Queen Hut	On-Grid, Electricity		Wood Stove & Other (ground source heat)	Maroon Hut has a ground source heat pump and in-floor heat.
High Camp Hut	Off Grid, Solar, 12 Volt	Solar lights are in the main room and in the bedrooms.	Wood Stove	There is a huge old pot belly stove that provides great heat lasting all thru the night!!
Tundra Hut	Solar & LED lanterns	We are going to install solar this summer, currently led lanterns are used.	Wood Stove	
Pass Creek Yurt	Off Grid, Solar, 12 Volt	Six 1.5-2.5 led lights to illuminate the dining and kitchen areas. Headlamps are still necessary for reading.	Wood Stove	Baby Bear Fisher Stove. Firewood is split, stacked and stored under the yurt in the summer/fall. Guests access the firewood through a trap door in the yurt's floor.
San Juan Hut System, Inc.	Off Grid, Solar, 12 Volt	Humphrey propane lights, solar panel	Wood Stove	x
Hidden Treasure Yurt	Propane Lights, fixed	4 propane lights plus one propane portable light	Wood Stove	wood is stored under the yurts
Fisher Mountain Hut	Propane Lights, fixed		Wood Stove	
Tenth Mountain Division Hut Association, Inc	Off Grid, Solar, 12 Volt		Wood Stove, Propane Heat, Passive Solar	The only application of propane heat is at the Alpine Resource Center at Sangree's Hut. The main area of Sangree's, and allother 10th Mountain huts, are heated by wood and passive solar.
OPUS Hut	Off-Grid, Solar 24 Volt	24V inverted for lighting and outlets. Few 24V circuits for compost fan and pressure pump.	Wood Stove, Passive Solar, Active Solar	Solar thermal panels augmented by heating coil in the wood cook stove charge hot water resvior which serves as storage mass for in-floor heating system.

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Janets Cabin Francies Cabin Section House Ken's Cabin	Off-Grid, Solar 24 Volt	We use 24V systems with 8 deep cell batteries. Each hut has an inverter to provide 120V AC power when needed & to charge batteries. Gas powered generators are kept on site for charging & equalizing the batteries when required,	Wood Stove	Each hut has one wood burning stove. Janets and Francies have indoor wood storage in their basements. The Section House has wood storage in a detached woodshed with additional wood storage outside
Snow Survey Cabin	Off Grid, Solar, 12 Volt	4 LED ceiling lights for cabin	Propane Heat	
Broome Hut	48 Volt Solar feeds 110 V AC system	48v solar system, feeds 110 volt AC system	Passive Solar & Pellet Stove	Passive including two pellet stoves
Yurts at Pearl Lake State Park	On Grid, Electricity		Electric Heat	
High Lonesome Hut	Off Grid, Solar, 24 Volt	24v system powers 110V lights and well pump and pressure system.	Wood Stove	
Friend's Hut	Off Grid, Solar, 12 Volt		Wood Stove	
Grays and Torrey's Hut	Off Grid, Solar, 24 Volt		Wood Stove	
Addie S	Off Grid, Solar, 12 Volt		Wood Stove	
Green Wilson	Off Grid Solar	2 solar panels feed four deep cell (car sized) batteries. We have an on/off master switch for the LOAD side of the system, and use the more modern MPPT solar controllers which allow maximum, temperature related charging. The panels are mounted nearly vertical to reduce snow sticking to them.	Wood Stove	Older vermont casting stove, adequate to heating the small cabin, used for large snowmelt pot as well.
Friends' Hut	Off Grid, Solar, 12 Volt	Single solar panel powering 5 lights.	Wood Stove	

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Piney Guard Station	Propane Lights, fixed and Mobile Propane Lights (Coleman Lanturns)	The FS has propane lights at the White Owl guard station not yet on the rental program. Piney GS has coleman lanterns, and we would install propane lights at Tigiwon Lodge prior to putting it on the rental program.	Wood Stove	Piney has a wood stove. White owl - not on the system yet has a wood stove and a small propane heater in the kitchen. Tigiwon - not on the system yet has a large fireplace. We'd hope to put in a wood stove or insert.
Aladdin's Lamp Hut	Off Grid, Solar, 24 Volt		Wood Stove	
Spruce Hole Yurt	Propane Lights, fixed and Mobile Propane Lights (Coleman Lanturns)		Wood Stove	Wood is stored under the yurt.