

Updated 5/10/12				
Nevada Renewable Energy Summary				
	Installed		Potential	
	MW	MWh/Yr	MW	MWh/Yr
Geothermal				
Up thru 2011	386.0	3,066,728	NA	NA
Added in 2012	0	0	NA	NA
Total	386.0	3,066,728	1,022	8,120,730
Solar PV				
Up thru 2011	88.6	166,540	NA	NA
Added in 2012	74	139,096	NA	NA
Total	162.6	305,636	2,048	3,848,645
Solar Thermal				
Up thru 2011	64.0	164,045	NA	NA
Added in 2012	0	0	NA	NA
Total	64.0	164,045	510	2,178,720
Wind				
Up thru 2011	0	0	NA	NA
Added in 2012	152.16	429,018	NA	NA
Total	152.2	429,018	750	2,114,640
Hydroelectric				
Up thru 2011	15.55	53,144	NA	NA
Added in 2012	0	0	NA	NA
Total	15.6	53,144	1	2,734
Landfill/Methane Gas				
Up thru 2011	14.9	50,922	NA	NA
Added in 2012	0	0	NA	NA
Total	14.9	50,922	0	0
Biomass				
Up thru 2011	3.0	10,253	NA	NA
Added in 2012	0.0	0	NA	NA
Total	3.0	10,253	0.2	837
Nevada RE Totals	MW	MWh/Yr	MW	MWh/Yr
Up thru 2011	572.0	3,511,631	NA	NA
Added in 2012	226.2	568,114	NA	NA
Total	798.2	4,079,745	4,331	16,266,306

Renewable Energy Projects in Nevada

Updated 5/10/12

GEOTHERMAL - INSTALLED

	Project Name	MW Rated Capacity	MWh/Yr (93% cf)	Online Date	Owner/Operator	Technology Type	Offtake	Land Owner	County	Status	Comments	Project Links
1	Beowawe	18.0	143,027	2000	Terra-Gen Power/TAS	Dbf Flash	NVE	BLM	Land/Eureka	In Service	2 MW of RE from waste heat in ge	www.terra-genpower.com
2	Blue Mountain - Faulkner 1	49.5	393,323	2009	Nevada Geothermal Power	Binary	NVE	BLM/Private	Humboldt	In Service	1st to Receive \$57.9M Investment	www.nevadageothermal.com
3	Brady Hot Springs	26.1	207,389	1992	Ormat Technologies	DF & Binary	NVE	BLM	Churchill	In Service	Enhanced geothermal systems	
4	Desert Peak 1 & 2	23.0	182,756	2006	Ormat Technologies	Binary	NVE	BLM	Churchill	In Service		www.ormat.com
5	Dixie Valley	64.0	508,539		Terra-Gen Power		SCE	BLM	Church/Persh	In Service		www.terra-genpower.com
6	Empire (San Emidio)	8.6	68,335	1987	US Geothermal/Ormat	Binary	NVE	BLM	Washoe	In Service	Expanded in 4th Qtr 2011	www.ormat.com
7	Florida Canyon Mine	0.1	397	2009	ElectraTherm	Green Machine				In Service	avg 50 kw capacity	
8	Homestretch 1/2/3	2.1	16,686	1986	Homestretch Geothermal		NVE		Lyon	In Service		
9	Jersey Valley	15.0	119,189	2010	Ormat Technologies	Energy converter	NVE	BLM	Persh/Lander	In Service		www.ormat.com
10	Salt Wells	18.1	143,821		Enel Green Power N.A.	Binary	NVE	BLM	Churchill	In Service		
11	Soda Lake 1 & 2	23.0	182,756	1987/1991	Alterra Power (formerly Magma)	Binary	NVE	BLM/Private	Churchill	In Service	Plans to increase to 37 MW	www.plutonic.ca
12	Steamboat Complex (7 facilities)	89.0	707,187	1986+	Ormat Technologies	Binary	NVE	BLM	Washoe	In Service	Galena 1&2, Steamboat Hills, SB 1	www.ormat.com
13	Stillwater Geothermal	47.3	375,842		Enel Green Power N.A.	Binary	NVE	BLM	Churchill	In Service	Added solar in 2012	
14	Wabuska	2.2	17,481	1984	Homestretch Geothermal	Binary				In Service		
Total Installed Geothermal thru 2011		386.0	3,066,728									

Total Installed Geothermal Added in 2012	0.0	0
---	------------	----------

GEOTHERMAL - POTENTIAL

	Project Name	MW Rated Capacity	MWh/Yr (93% cf)	Online Date	Owner/Operator	Technology Type	Offtake	Land Owner	County	Status	Comments	Project Links
1	Patua	60.0	476,755	2012	Gradient Resources/TAS Energy	EGS	SMUD	BLM/Private	Lyon	Construction	\$300M	
2	Reese River	26.0	206,594	2012	Sierra Geothermal Power		NVE	BLM	Lander	Exploration		
3	Silver Peak	15.0	119,189	2012	Sierra Geothermal Power		TBD	BLM	Esmerelda	Exploration		
4	Hot Sulphur Springs	25.0	198,648	2013	Ormat Technologies		NVE		Elko	PPA, Final Permits		
5	Soda Lake Expansion	15.0	119,189	2013	Alterra Power (formerly Magma)	Binary					Expansion from base of 23 MW	
6	Clayton Valley	160.0	1,271,347	2014	Ram Power		NVE	BLM	Esmerelda	Regulatory Approval		
7	McGinness Hills	60.0	476,755	2014	Ormat Technologies		NVE	BLM	Lander	PPA, Final Permits		
8	Alum	33.0	262,215	2013/2014	Sierra Geothermal Power		TBD	BLM	Esmerelda	Exploration		
9	Barren Hills	46.0	365,512	2014/2015	Barren Hills Geo Power		TBD	BLM	Lyon	Exploration		
11	Edna Mountain	0.0	0	NA	Nevada Geothermal			BLM	Humbolt	Exploration		www.nevadageothermal.com
12	North Valley (formerly Black Warrior)	55.0	437,026	NA	Nevada Geothermal			BLM	Church/Washoe	Exploration		www.nevadageothermal.com
13	Pumpnickel	25.0	198,648	NA	Nevada Geothermal		NVE	BLM	Humbolt	Exploration		www.nevadageothermal.com
14	Buffalo Valley	30.0	238,378	TBD	Ormat Technologies		NVE	BLM	Lander	PPA, Final Permits	New or expansion????	
15	Carson Lake Basin	62.0	492,647	TBD	Reliant Energy		NVE	BLM	Churchill	PPA, In Development		
16	Carson Lake Geothermal	20.0	158,918	TBD	Ormat/NV Energy		NVE	BLM	Churchill	PPA, Final Permits		
17	Coyote Canyon	62.0	492,647	TBD	Terra-Gen Power		TBD	BLM	Churchill	BLM Approved		
18	Dead Horse	30.0	238,378	TBD	Ormat Technologies		TBD	BLM	Mineral	Exploration		
19	Devil's Canyon	10.0	79,459	TBD	Raser Technologies		TBD	BLM/Private	Nye	PPA, Final Permits		
20	Dixie Meadows	62.0	492,647	TBD	Terra-Gen Power		TBD	BLM	Churchill	Exploration	BLM Rec of Decision 1/18/2012	
21	Gabbs Valley	30.0	238,378	TBD	Ormat Technologies		TBD	BLM	Mineral	Exploration		
22	Leach Hot Springs	0.0	0	TBD	Ormat Technologies		TBD	BLM	Churchill	Exploration		
23	New York Canyon	62.0	492,647	TBD	Terra-Gen Power		TBD	BLM	Pershing	BLM Priority, EA Pending		
24	Panther Canyon	34.0	270,161	TBD	Magma Energy Corp.		TBD	Private	Pershing	Exploration		
25	Salt Wells Expansion	150.0	1,191,888	TBD	Ormat/Vulcan		NVE	BLM	Churchill	BLM Approved		
26	Trail Canyon	10.0	79,459	TBD	Raser Technologies		TBD	BLM	Nye	PPA, Final Permits		
27	San Emidio 2nd Power Plant	0.0	0	TBD	Nevada Geothermal		TBD	BLM	Washoe	Exploration	BLM EA	
28	Tungsten Mountain			TBD	Ormat Technologies	27 wells	TBD	BLM	Churchill	Exploration	BLM EA	
Total Potential Geothermal		1,022.0	8,120,730									

Note: This is not a complete list of projects in Nevada. Projects in their initial phases of exploration are not included. Notify the NSOE if a project is not included.

Updated 5/10/12

SOLAR THERMAL - INSTALLED												
	<u>Project Name</u>	<u>MW Rated Capacity</u>	<u>MWh/Yr (30% cf)</u>	<u>Online Date</u>	<u>Owner/Operator</u>	<u>Technology Type</u>	<u>Offtake</u>	<u>Land Type</u>	<u>County</u>	<u>Status</u>	<u>Comments</u>	<u>Project Links</u>
1	Nevada Solar One	64	164,045	2007	Acciona Power Company	CSP	NVE	BLM	Clark	In Service		www.acciona-na.com
Total Installed Solar Thermal thru 2011		64.0	164,045									

Total Installed Solar Thermal Added in 2012	0.0	0
--	------------	----------

SOLAR THERMAL - POTENTIAL												
	<u>Project Name</u>	<u>MW Rated Capacity</u>	<u>MWh/Yr (50% cf)</u>	<u>Online Date</u>	<u>Owner/Operator</u>	<u>Technology Type</u>	<u>Offtake</u>	<u>Land Type</u>	<u>County</u>	<u>Status</u>	<u>Comments</u>	<u>Project Links</u>
1	Crescent Dunes	110	469,920	2013	SolarReserve		NVE	BLM	Nye	BLM Priority, ROD Signed	\$260M +\$737M loan	
2	Coyote Springs 1 & 2	400	1,708,800	2014	BrightSource		TBD	Private	Clark	Permitting Complete, No PPA		
Total Potential Solar Thermal		510.0	2,178,720									

Updated 5/10/12

PUBLIC FLEETS - ACTIVE

Project Name	Online Date	Owner/Operator	Technology Type	Number of Vehicles	Fueling	Status	Project Links
CitiLift Paratransit vehicles	1993	Washoe RTC	CNG	45	On-site		
RTC Transit		Southern NV RTC	Hybrid-Electric	60	On-site		
RTC Transit		Southern NV RTC	CNG	52	On-site		
Clark County Alt. Fuels Fleet		Clark County	GDiesel (low sulfur w/ CNG)	1426	On-site	Approved by NDEP in 2010	
Clark County Alt. Fuels Fleet		Clark County	Hybrid-Electric	537	On-site	6th largest hybrid fleet in US	
Clark County Alt. Fuels Fleet		Clark County	Reformulated Gasoline (RFG)	451	On-site		
Clark County Alt. Fuels Fleet		Clark County	CNG /RFG	91	On-site		

FUELING STATIONS - ACTIVE

	Clean Fuel Type	Public Or Private Use	Locations	Status	Project Links
1	Biodiesel (B20 & above)	Public	Bently Biofuels Outpost, 1350 Buckeye Rd., Minden		DOE Adv Fuels & Vehcles Data Center
		Public	Haycock Petroleum, 4825 N. Sloan Ln, Las Vegas		
		Public	Allied Washoe Petroleum, 2500 E. 4th St., Reno		
		Private	Nellis AFB, 6126 Depot Rd, Las Vegas		
		Private	Nevada Test Site, Mercury		
2	Compressed Natural Gas (CNG)	Public	RTC, 709 Sunset Rd, Henderson		
		Public	RTC, 3333 Losee Rd., N. Las Vegas		
		Public	RTC, 500 S. Grand Central Pkwy, Las Vegas		
		Public	RTC, 300 W. Bonanza Rd., Las Vegas		
		Public	City of Las Vegas NW Svc Center, 2050 Ronemus Dr, Las Vegas		
		Private	RTC, 2751 Simmons St, N. Las Vegas		
		Private	RTC, 600 Sutro St, Reno		
		Public	McCarran Intl Airport, 4990 Paradise Rd, Las Vegas		
		Public	Las Vegas City Center, 3665 Industrial Rd., Las Vegas		
3	Electric	Public	Element Hotels, 10555 Discovery Dr, Las Vegas	Level 1	
		Public	Einstein Bagels, 5050 Kietzke Ln, Reno	Level 2	
		Public	NV Energy, 7055 Lindell Ave, Las Vegas	Level 2	
		Public	NV Energy, 30 Ohm Place, Reno	Level 2	
		Public	Clark Co. Govt. Center, 500 S. Grand Central Pkwy, Las Vegas	Level 1 & 2	
		Public	Crystals Shopping Dist. at CityCenter, 3720 S. Las Vegas Blvd	Level 2	
		Public	NV Energy, 6100 Neil Rd, Reno	Level 2	
		Public	MGM Resorts Corp. Campus, 4882 Frank Sinatra Dr, Las Vegas	Level 2	
		Public	The Shoppes at Mandalay Place, 3930 S. Las Vegas Blvd	Level 2	
		Public	NV Energy, 6226 Sahara Ave, Las Vegas	Level 2	
		Public	NV Energy, 2215 E. Lone Mtn. Rd, N. Las Vegas	Level 2	
4	Ethanol	Private	Nevada Test Site, Mercury		
		Private	Nevada State Motor Pool, Reno		
		Public	Rebel Oil Co., Las Vegas (13)		
		Public	Bently Biofuels Outpost, Minden		
		Public	Rebel Oil Co., Henderson (2)		
		Public	Terrible Herbst, Las Vegas		
		Public	Carey Mini Mart, Las Vegas		
		Public	Terrible Herbst, Mesquite		
		Public	Terrible Herbst, Pahrump		
5	Hydrogen	Private	City of Las Vegas, 2950 Ronemus Dr., Las Vegas		
		Private	Las Vegas Water District, 1001 S. Valley View Blvd, Las Vegas		
6	Liquified Natural Gas (LNG)	Public	United Parcel Service, Gilespe & G. Crockett Rd., Las Vegas		
7	Liquified Petroleum Gas (Propane)	Public	Wells Propane, Wells		
		Public	Wells Propane, Spingcreek		
		Public	U-Haul, Las Vegas (4)		
		Public	U-Haul, Reno		
		Public	U-Haul, Carson City		
		Public	U-Haul, Henderson		
		Public	Suburban Propane, North Las Vegas		
		Public	Suburban Propane, Elko		
		Public	Bi-State Propane, Carson City		
		Public	Bi-State Propane, Fallon		
		Public	Bi-State Propane, Sparks		
		Public	Bi-State Propane, Yerington		
		Public	Proflame, N. Las Vegas		
		Public	Proflame, Pahrump		
		Public	Amerigas, Fallon		
		Public	Amerigas, Sparks		
		Public	Amerigas, Hawthorne		
		Private	Schwan's Fine Foods, Reno		
		Private	Schwan's Fine Foods, Carson City		
		Public	Harmon Jct, Fallon		
		Public	Village Mkt, Silver Springs		
		Public	Granite Propane Svc, Silver Springs		
		Public	Western States Propane, Elko		
		Public	Propane of Wendover, Wendover		
		Public	Carson Shell, Carson City		
		Public	Travel Centers of America, Las Vegas		
		Public	Shell, Henderson		
		Public	Vegas Propane, N. Las Vegas		
		Public	Trop Stop Gas & Carwash, N. Las Vegas		
		Public	Allied Washoe Petroleum, Reno		

Updated 1/5/12

ENERGY RECOVERY - INSTALLED

	<u>Project Name</u>	<u>MW Rated Capacity</u>	<u>MWh/Yr (93% cf)</u>	<u>Online Date</u>	<u>Owner/Operator</u>	<u>Technology Type</u>	<u>Offtake</u>	<u>Land Owner</u>	<u>County</u>	<u>Status</u>	<u>Comments</u>	<u>Project Links</u>
1	Florida Canyon Mine	0.1	397	2009	ElectraTherm	Green Machine				In Service	avg 50 kw capacity	
2	Goodsprings Energy Recover Station	7.5	59,594	2010	Ormat Technologies	Heat recovery	NVE		Clark	In Service	1st RE project owned by NV Energy	www.nvenergy.com

DOC Sustainable Hot Water system