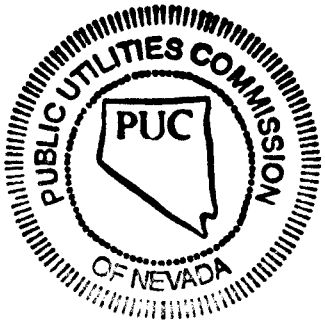


Original Filing

Public Utilities Commission of Nevada

Electronic Filing

Submitted: 4/1/2011 10:06:13 AM

Reference: cf4450ed-c06d-4b04-82d6-9878957e695f

Filed For: NPC

In accordance with NRS Chapter 719,
this filing has been electronically signed and filed
by: /s Janice Baldarelli

By electronically filing the document(s),
the filer attests to the authenticity of the electronic signature(s) contained therein.

This filing has been electronically filed and deemed to be signed by an authorized agent or representative of the signer(s) and
NPC

FILED WITH THE PUBLIC UTILITIES COMMISSION OF NEVADA - 4/1/2011

BEFORE THE PUBLIC UTILITIES COMMISSION OF NEVADA

IN THE MATTER OF: NEVADA POWER COMPANY d/b/a NV Energy and SIERRA PACIFIC POWER COMPANY d/b/a NV Energy Report on Compliance with the Portfolio Standard for Renewable Energy for Compliance Year 2010	Docket No. 11-04_____

VOLUME 2 OF 3

PORTFOLIO STANDARD ANNUAL REPORT COMPLIANCE YEAR 2010

SIERRA PACIFIC POWER COMPANY
MEASUREMENT AND VERIFICATION REPORTS

ITEM	PAGE NUMBER
Portfolio Standard Annual Report Compliance Year 2010	2
Sierra Pacific Power Company Measurement and Verification Reports	
2009 Energy Star Lighting Program	82
2009 Sure Bet Commercial Incentives	102
2009 Sure Bet New Construction Program	164
2010 Energy Star Lighting Program	232
2010 Non-Profit Agency Grants Program	267
2010 Second Refrigerator Recycling Program	307

REPORT 2010

NV Energy

Sierra Pacific Power Company *d/b/a* NV Energy

Nevada Power Company *d/b/a* NV Energy

Portfolio Standard Annual Report

Compliance Year 2010

Docket No. 11-04___

April 1, 2011

1

(This page left blank intentionally)

CORPORATE DISCLOSURE STATEMENT

Nevada Power Company *d/b/a* NV Energy and Sierra Pacific Power Company *d/b/a* NV Energy are wholly-owned subsidiaries of NV Energy, Inc., a holding company incorporated under the laws of the State of Nevada, which is a publicly held corporation traded on the New York Stock Exchange under the symbol NVE. In addition to actual historic data, this report contains forward-looking statements regarding the future performance of NV Energy, Inc, within the meaning of the Private Securities Litigation Reform Act of 1995. These statements are subject to a variety of risks and uncertainties that could cause actual results to differ materially from current expectations.

Table of Contents

1. INTRODUCTION 6
2. EXECUTIVE SUMMARY 7
3. STATUS OF NVE RENEWABLE ENERGY PORTFOLIO 14
3.1. GEOTHERMAL ENERGY 16
3.2. SOLAR ENERGY 19
3.3. BIOMASS/METHANE ENERGY 22
3.4. HYDRO ENERGY 22
3.5. RECOVERED HEAT ENERGY 24
3.6. WIND ENERGY 24
4. ENERGY EFFICIENCY AND CONSERVATION 26
4.1. STATUS OF DEMAND SIDE MANAGEMENT PROGRAMS 26
4.2. RENEWABLE GENERATIONS 27
5. TRANSMISSION 28
6. ANNUAL REPORT REQUIREMENTS 30
6.1. CAPACITY 30
6.2. NEW SYSTEMS 31
6.3. RETAIL SALES 31
6.4. RENEWABLE GENERATION 31
6.5. CARRY FORWARDS 33
6.6. 2011 ESTIMATED SALES 33
6.7. 2011 ESTIMATED CREDIT REQUIREMENT 34
6.8. 2011 ESTIMATED COSTS 34
6.9. PORTFOLIO STANDARD COMPLIANCE 35
6.10. COMPLIANCE ATTESTATIONS 36
6.11. PROJECTED PORTFOLIO STANDARD REQUIREMENTS AND SUPPLIES 38
7. APPENDIX 51
7.1. ATTESTATIONS 51
7.2. CALCULATION OF PCS FROM DSM 70
7.3. DSM EM&V REPORTS 72

Tables

Table 1 Renewable Portfolio Standard Summary for 2010 9
Table 2 Summary of Portfolio Credits Acquired or Produced by Technology 10
Table 3 Portfolio Credits Used for Nevada RPS Compliance by Category 10
Table 4 Portfolio Credits Applied to Nevada and California Compliance 10
Table 5 Portfolio of Renewable Resources 13
Table 6 Summary of Activity in 2010 -2011 16
Table 7 Geothermal Projects 17
Table 8 Solar Projects 19
Table 9 Biomass/Methane Projects 22
Table 10 Hydro Projects 22
Table 11 Recovered Heat Generation Project 24
Table 12 Wind Projects 24
Table 13 2010 - 2011 Cost of Renewable Generations 27
Table 14 Owned Renewable Energy Capacity in 2010 30
Table 15 New Construction 31
Table 16 Retail Sales 31
Table 17 Summary of Portfolio Energy Credits for 2010 32
Table 18 Carry Forward 33
Table 19 Estimated Retail Sales (MWH) 34
Table 20 Estimated 2011 RPS Compliance 34
Table 21 Estimated Total Cost for 2011 35
Table 22 Portfolio Credit Loans 36
Table 23 NV Energy Requirements and Supplies 38
Table 24 Nevada Power Requirements and Supplies 42
Table 25 Sierra Requirements and Supplies 45
Table 26 Nevada Power DSM Calculation 70
Table 27 Sierra DSM Calculation 71

Glossary of Terms and Abbreviations

2010 Annual Report	Portfolio Standard Annual Report Compliance Year 2010
Base Load Power	Electrical energy that is available 24 hours per day to meet the base load requirement of the utility. Types of renewable energy that may be considered base load are geothermal energy, biomass, and hydroelectric power.
Biomass/Biogas	Electricity produced through the combustion of wood and other renewable organic materials, or biomass fuel derived from methane gas produced by the decay of organic material.
BLM	Bureau of Land Management
COD	Commercial Operation Date, the date that a facility begins commercial production
Commission	Public Utilities Commission of Nevada
Companies	Sierra Pacific Power Company and Nevada Power Company, together
CPUC	California Public Utilities Commission
DSM	Demand Side Management (energy efficiency savings)
FERC	Federal Energy Regulatory Commission
Intermittent Power	Electrical energy that is available when the source of energy is available. Types of renewable energy that are considered intermittent include solar energy without storage, and wind.
kPC	One thousand Portfolio Credits
kWh	Kilowatt hours
MW	Megawatt of nameplate capacity, unless noted otherwise
MWh	Megawatt hours
NAC	Nevada Administrative Code
NEPA	National Environmental Policy Act
NERC	North American Electric Reliability Corporation
Net Metering	The practice of crediting customers for electricity produced on-site in excess of electricity used on site. The electricity is run through the meter turning the meter in reverse. The net excess is carried over to the next bill as a kilowatt hour credit.
Nevada Power	Nevada Power Company, d/b/a NV Energy
NVE	NV Energy, Inc.
PC	Portfolio Energy Credit, one kilowatt hour of renewable energy generated or one Kilowatt hour of energy saved through an efficiency program
PUCN	Public Utilities Commission of Nevada
QF	Qualifying Facility, a generating facility which meets the requirements for QF status under the Public Utility Regulatory Policies Act of 1978. Small renewable power producers who qualify as QFs are limited in size to 80 MW.
Renewable Generations	Renewable Generations is the incentive program from the Companies that helps customers offset the installation costs of renewable energy systems. Renewable Generations is comprised of Solar Generations, Wind Generations and Hydro Generations
RETAAC	Renewable Energy Transmission Access Advisory Committee
RFP	Request for Proposal
RPS	Renewable Portfolio Standard
Sierra	Sierra Pacific Power Company, d/b/a NV Energy
Solar Energy	Electricity produced using solar energy technologies including photovoltaic (PV) energy and concentrated solar power (CSP).
SOI	Statement of Interest
Western	Western Area Power Administration

INTRODUCTION

1. Introduction

Nevada Power Company d/b/a NV Energy ("Nevada Power") and Sierra Pacific Power Company d/b/a NV Energy ("Sierra") are wholly owned subsidiaries of NV Energy, Inc. ("NVE"), a holding company incorporated under the laws of the State of Nevada.

This Portfolio Standard Annual Report for Compliance Year 2010 ("2010 Annual Report") is filed in accordance with the Nevada Administrative Code ("NAC"). NAC 704.8879 requires Nevada Power and Sierra (collectively referred to herein as the "Companies") to submit to the Public Utilities Commission of Nevada ("PUCN") an annual report of their compliance with the Nevada Renewable Portfolio Standard ("RPS") not later than April 1 following the end of each compliance year (April 1, 2011 for compliance year 2010).

The RPS requires the Companies to utilize a specified percentage of renewable energy and conservation to meet the electrical needs of customers. Renewable resources include resources specified under the NAC, including geothermal, solar, wind, small hydro, biomass and recovered energy from waste heat sources. Energy saved by customers through conservation is referred to as Demand Side Management ("DSM") and such savings can be used to meet up to 25% of the RPS.

The RPS is stated in terms of the number of Portfolio Energy Credits ("PCs") required. A PC is equal to one kilowatt hour of renewable energy generated or one kilowatt hour of energy saved through an efficiency program. Similarly, one megawatt ("MW") of energy from renewable resources or savings from an efficiency program would result in one kPC.

In 2010, the Companies were required to obtain an amount of PCs equivalent to 12% percent of their total retail energy sales from renewable sources. The Nevada RPS increases to 15% in 2011 and 2012, 18% for 2013 and 2014, 20% in 2015 through 2019, 22% for the years 2020 through 2024, and finally to 25% for 2025 and beyond. No less than 5% of the Nevada RPS must be met from solar resources until 2016 when a minimum of 6% must be met by solar.

Sierra is also required to meet the California RPS for those customers in California who were Sierra customers until the sale of the electric distribution and generation assets in California to California Pacific Electric Co ("CALPECO"). As part of the sales agreement, Sierra will meet the California RPS for 5 years on behalf of CALPECO. The California Public Utilities Commission ("CPUC") requires CALPECO to procure additional renewable energy on behalf of California customers and to comply with procurement targets to reach the statutory goal of 20% of 2011 retail sales of electricity from eligible renewable energy facilities. Sierra will meet California's goal of 20% of retail sales procured from energy facilities eligible to provide renewable energy to California customers. In 2010, a total of 99,499 kPCs were set aside for California compliance and are not used toward the Companies' 2010 Nevada RPS.

The 2010 Annual Report is comprised of seven sections including an appendix:

- Section 1 is an introduction to the report and a brief description of Nevada and California's RPS.
- Section 2 provides an Executive Summary of the 2010 Annual Report.
- Section 3 discusses the status of the Companies' renewable energy portfolio by technology: Geothermal, Solar, Wind, Hydro, Biomass, and Recovered Energy Generation.
- Section 4 discusses the status of the Companies' efforts in Energy Efficiency and Conservation.
- Section 5 provides a discussion of the critical role of transmission in the development and procurement of renewable energy.
- Section 6 includes the information required pursuant to NAC 704.8877 and NAC 704.8879 describing the Companies' compliance with the RPS as well as projections of renewable energy generation.
- Section 7 is the Appendix that includes attestation letters from renewable energy suppliers and supporting documentation for DSM statistics.

EXECUTIVE SUMMARY

2. Executive Summary

In 2010 both Companies successfully met the RPS requirements for 2010 (12% of retail sales and 5% RPS from solar resources). Nevada Power also erased the shortfall carried forward from 2009 and acquired enough PCs to enter 2011 with PCs carried forward from 2010 that will contribute to the current year's RPS. As shown in Table 1 below, Nevada Power entered 2010 carrying forward a shortfall of 431,402 kPCs from 2009 but began 2011 with a compliance buffer of 134,173 kPCs after the deficit was eliminated and the 2010 requirement was met. Together the Companies entered 2011 with a compliance buffer of 629,341 kPCs.

In 2010 the PUCN approved the seven contracts with renewable projects included in Nevada Power's 2009 Integrated Resource Plan (IRP), which when completed will add an additional 443 MWs of renewable energy capacity. Nevada Power also completed construction and commissioned its first non-solar renewable energy project, the 7.5 MW Goodsprings Recovered Energy Station in Goodsprings, NV. The companies' Renewable Generations Program reached the milestone of 10 MW of installations during 2010 and with the expanded funding approved by the PUCN in 2010, is expected to make a significant contribution to the Companies' supply of Credits in the coming years. Though, due to many factors, future supplies of renewable energy are never assured, the Companies are on track to surpass the 15% RPS for 2011 and meet the 20% Standard in 2015 and 25% by 2025.

A critical factor in bringing renewable energy to our customers is transmission capacity, and 2010 brought good news on this front as well. The development of transmission infrastructure and our One Nevada Transmission Line ("ON Line") is central to our ability to succeed in our commitment to renewable development. ON Line will run from the Harry Allen Generating Station switchyard near Apex, NV to the Robinson Summit substation near Ely, NV and will connect Nevada's northern and southern power distribution systems. When it is completed in 2013 it will be a key factor in maintaining Nevada's position as a leader in renewable energy.

Nevada Power is continuing to add more renewable resources through long term contracts. During the first quarter of 2011 Nevada Power filed its first amendment to its 2009 IRP in which the company is requesting the approval of three additional Power Purchase Agreements for renewable energy and PCs and three PC only contracts. When approved, the three Power Purchase Agreements will add 101 additional MW of capacity to the 443 MW approved in 2010. The company's total renewable capacity under contract or ownership is 1,280.5 MW as of March 31, 2011. This includes a pipeline of 17 projects under development.

The Companies must continue to add renewable energy capacity in excess of the projected need since there is no way of assuring that all of the contracts signed will actually result in delivered renewable energy. In addition to the fact that the ability to permit new facilities is uncertain and developers do not always discover sufficient resources in the case of geothermal and wind, they must also contend with today's political and economic environment in which federal tax incentives and loan guarantees are at risk of being eliminated.

There are also schedule concerns associated with environmental permitting that must be recognized. The Bureau of Land Management ("BLM") administers nearly 48 million acres of public land in Nevada which makes up about 67% of Nevada's land base. Although the BLM has committed to giving priority to renewable energy projects, the projects are still subject to the National Environmental Policy Act ("NEPA") requirements. The purpose of NEPA is to ensure that environmental factors and environmental effects are weighted equally when compared to other factors in the decision making process undertaken by federal agencies. The procedure allows for citizens and organizations that are critical of the federal decision-making process to participate through litigation. This can result in delay and in some cases opposition can cause the failure of projects. After the federal agency has rendered a decision allowing the developer

to proceed with the renewable energy project, citizens and organizations who believe that the federal agency's actions or decisions violate NEPA can seek judicial review through an administrative appeals process. The appeal process coupled with the already lengthy NEPA process has proven to be a challenge for developers to meet their commercial operation date.

Given the fact that the future of any single project is uncertain, to account for project attrition that could lead to PC short-falls, the Companies must contract for more renewable energy than they expect will actually come on line. As a result, it is difficult, if not impossible, to have a smooth increase in the amount of renewable energy brought on line over time. The Companies are committed to achieving the RPS each year and will continue to dedicate substantial resources to that end.

Table 1 Renewable Portfolio Standard Summary for 2010

		Nevada Power	Sierra	Total
1	Retail Sales (MWhs)	20,642,262	7,532,263	28,174,525
2	12% of Retail Sales: RPS	2,477,071	903,872	3,380,943
3	Credit deficit from 2009 carried forward	431,402	-	431,402
4	2010 RPS Credits Needed	2,908,473	903,872	3,812,345
5	Total Eligible Credits for 2010 (all sources)	3,042,646	1,498,539	4,541,185
6	Less Credits for California RPS	-	(99,499)	(99,499)
7	Total 2010 Credits for Nevada RPS Compliance	3,042,646	1,399,040	4,441,686
8	Net 2010 Compliance Buffer / (Deficit)	134,173	495,168	629,341
9	Solar RPS Carve Out (5% of the Total RPS)	123,854	45,194	169,048
10	2010 Solar Credit Supply	209,887	58,702	268,589
11	Net 2010 Solar Compliance Buffer / (Deficit)	86,033	13,508	99,541

Line 1: Retail sales for each utility in 2010. This is the starting point for the calculation of the PC requirement for each year.

Line 2: The percentage of retail sales that must be met by renewable resources in each year.

Line 3: The 2009 credit deficit that Nevada Power is required to make up in 2010.

Line 4: Adding the deficit from 2009 to the RPS for 2010 yields the total credit requirement for 2010.

Line 5: The total amount of credits available.

Line 6: The amount of credits that must be reserved from Sierra's credit production to meet the California RPS requirement.

Line 7: The amount of credits that are available to meet the Nevada RPS after the credits required for California are deducted.

Line 8: The amount of credits not required to meet the Nevada and California requirement and that are now eligible for carry over to meet the 2011 RPS, excluding DSM carry forward.

Line 9: The amount of solar credits that must be produced in order to meet the requirement for solar energy. The Companies are required to meet the RPS with 5% from solar resources.

Line 10: The 2010 total number of solar credits from solar resources.

Line 11: The number of solar credits in 2010 in excess of the solar requirement. These credits are included in the carry-over credits listed on line (8).

The following table lists the source of the kPCs used to meet the total PC requirement.

Table 2 Summary of Portfolio Credits Acquired or Produced by Technology

PCs Aquired or Produced in 2010 by Technology	Total kPC	% of Total kPCs Acquired or Produced in 2010
Geothermal	2,405,147	53.0%
Solar	268,589	5.9%
Wind	564,404	12.4%
Biomass, Hydro, Recovered Heat	457,810	10.1%
Demand Side Management	845,236	18.6%
Total Produced or Acquired in 2010	**4,541,185**	**100.0%**

The RPS requirement specifying the percentage of retail energy sales that must be generated from renewable resources or energy efficiency measures remained at 12% in 2010 and will increase to 15% in 2011. The gross amount of kPCs produced or acquired in 2010 and the percentage of the total contributed by each technology is shown in Table 2 above. The largest contributor to the companies' compliance in 2010 was geothermal technology which provided 53% of the supply. The Companies surpassed their RPS requirement for 2010. A total of 3,380,943 kPCs were required to meet the 2010 Nevada RPS. The following table focuses on PCs applied to the Nevada RPS for 2010.

Table 3 Portfolio Credits Used for Nevada RPS Compliance by Category

PCs Used for Nevada Compliance	kPC	% of Total
Geothermal	1,660,801	49%
Solar	169,048	5%
Wind	389,732	12%
Biomass, Hydro, Recovered Heat	316,126	9%
Demand Side Management	845,236	25%
Total Used for Nevada Compliance	**3,380,943**	**100%**

The PCs acquired or produced in excess of the 2010 Nevada RPS were earmarked for either California compliance, used to make up the 2009 deficit or be carried over to future years.

Table 4 Portfolio Credits Applied to Nevada and California Compliance

Dispositon of PCs Produced or Acquired in 2010 by Category	kPC	% of Total
PCs Used to meet Nevada 2010 Compliance	3,380,943	74.5%
PCs Used to meet California Compliance	99,499	2.2%
PCs Used to meet Nevada 2009 Compliance	431,402	9.5%
2011 Compliance Buffer	629,341	13.9%
Total Produced or Acquired in 2010	**4,541,185**	**100.0%**

The Companies continue to invest in renewable energy along with purchased power contracts and an increase in energy efficiency programs. The Companies' compliance with the RPS is dependent on the supply of PCs resulting from renewable energy generation and DSM activities.

At the end of 2010 Nevada Power had 807 MW of renewable energy (nameplate capacity) under contract of which approximately 607 MW were under development or construction. Sierra had a total of 209 MW (nameplate capacity) under contract.

During the first quarter of 2011 Nevada Power signed and submitted for approval to the PUCN amendments to four contracts, three new long-term purchased power agreements and three new credit only contracts. In addition, Nevada Power terminated two purchased power agreements with producers. The total amount of renewable nameplate capacity in service or in development at the end of the first quarter of 2011 is 1,280.5 MW.

Figure 1 shows the growth of renewable resources since 2007:

Figure 1 kPCs by Technology

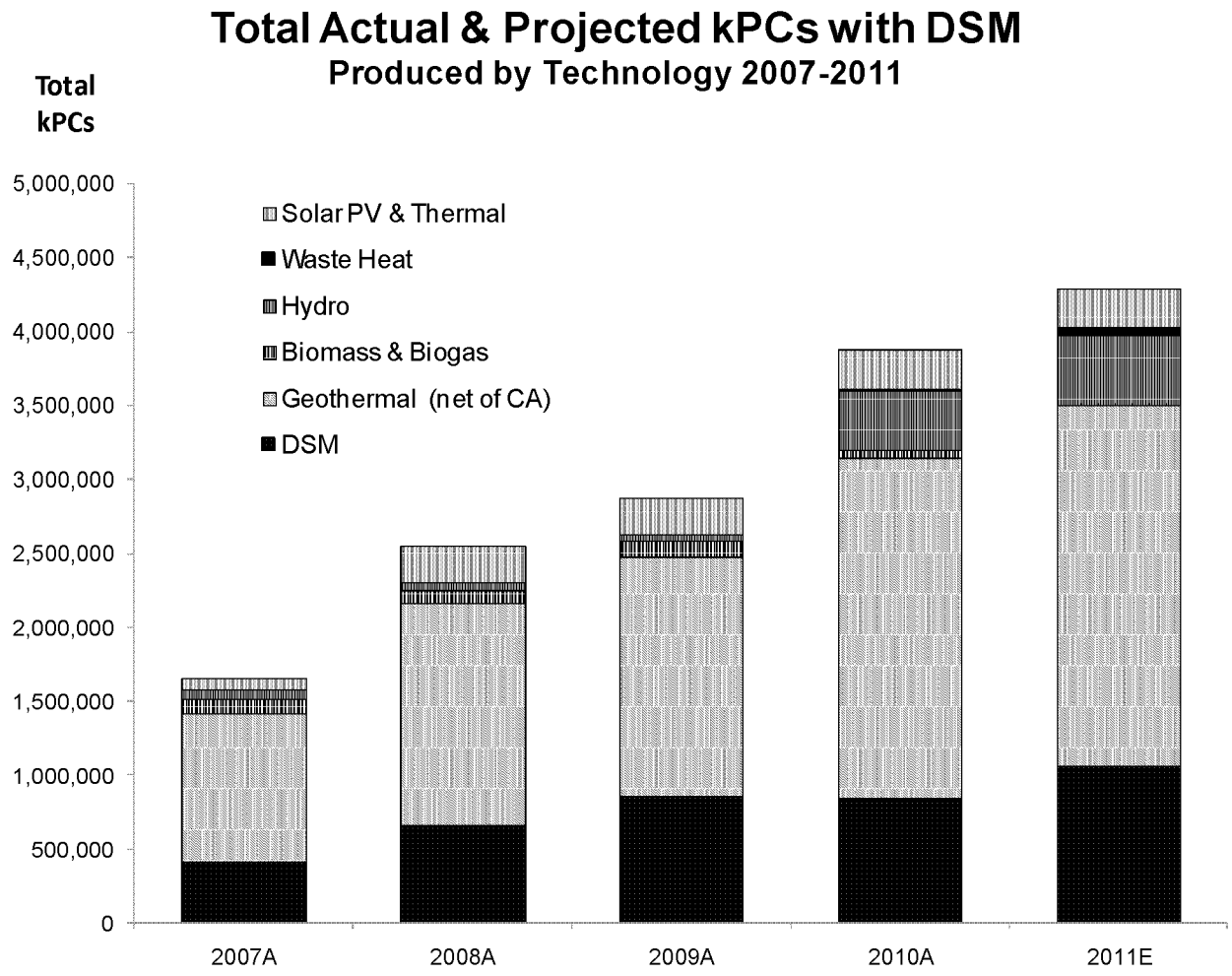


Figure 2

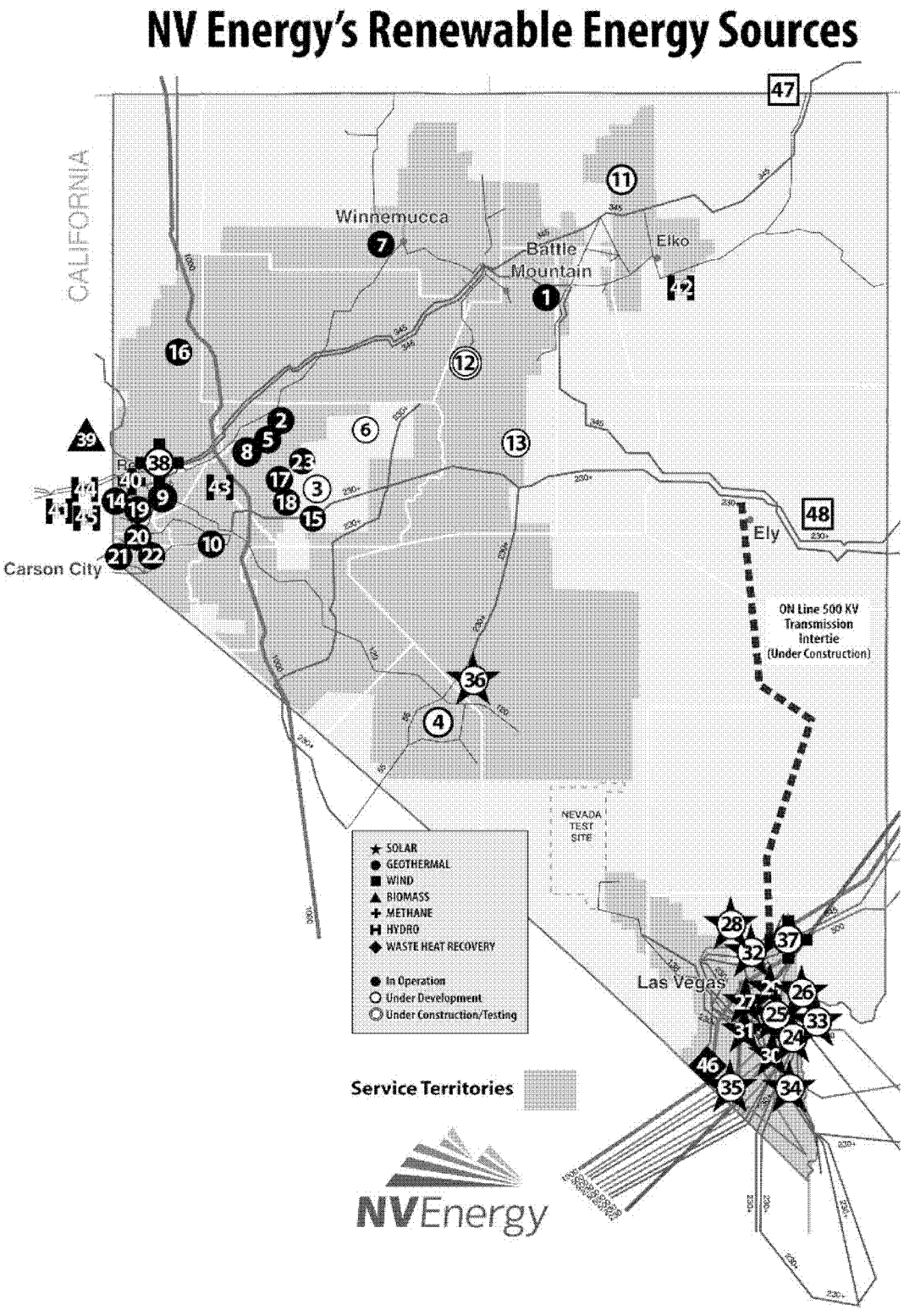

NV Energy's Renewable Energy Sources
CALIFORNIA
Winnemucca
Battle Mountain
Elko
Ely
Carson City
Las Vegas
NEVADA TEST SITE
ON Line 500 KV Transmission Intertie (Under Construction)
SOLAR
GEOTHERMAL
WIND
BIOMASS
METHANE
HYDRO
WASTE HEAT RECOVERY
In Operation
Under Development
Under Construction/Testing
Service Territories
NVEnergy

Table 5 Portfolio of Renewable Resources

Map Reference	Name	MW (nameplate)	Status
1	Beowawe	17.7	In Service
2	Brady Geothermal Project	24.0	In Service
3	Carson Lake Geothermal Project	31.5	In Development
4	Clayton Valley	53.5	In Development
5	Desert Peak Geothermal Project No. 2	19.0	In Service
6	Dixie Meadows *	51.0	In Development
7	Faulkner 1	49.5	In Service
8	Galena 2	13.0	In Service
9	Galena 3	26.5	In Service
10	Homestretch	2.1	In Service
11	Hot Sulphur Springs 2	25.0	In Development
12	Jersey Valley Geothermal Project	22.5	Commissioning
13	McGinness Hills	51.0	In Development
14	Richard Burdette Generation Facility	26.0	In Service
15	Salt Wells	23.6	In Service
16	San Emidio	3.8	In Service
17	Soda Lake I	3.6	In Service
18	Soda Lake II	19.5	In Service
19	Steamboat Hills	13.2	In Service
20	Steamboat IA	2.0	In Service
21	Steamboat II	13.4	In Service
22	Steamboat III	13.4	In Service
23	Stillwater 2	47.2	In Service
	Subtotal Geothermal	**552.0**	
24	Amonix Pecos Facility *	0.5	In Development
25	CNLV-Amonix*	1.0	In Development
26	FRV Spectrum *	30.0	In Development
27	Las Vegas Valley Water District (six projects)	3.1	In Service
28	Mountain View Solar*	20.0	In Development
29	Nellis AFB, Solar Star	13.2	In Service
30	Nevada Solar One	69.0	In Service
31	Procaps Laboratory	0.2	In Service
32	RV Apex Solar	20.0	In Development
33	SCGC-Amonix*	0.6	In Development
34	Searchlight Solar LLC	17.5	In Development
35	Silver State Solar	50.0	In Development
36	Tonopah Solar Energy Facility	110.0	In Development
	Subtotal Solar	**335.0**	
37	CC Landfill LLC	10.7	In Development
38	Lockwood Renewable Energy Facility	3.2	In Development
39	Sierra Pacific Industries **	10.0	In Service
40	Truckee Meadows Water Reclamation Facility	0.8	In Service
	Subtotal Biomass / Methane	**24.7**	
41	Fleish	2.3	In Service
42	Hooper	0.8	In Service
43	Truckee Carson Irrigation District, New Lahontan	4.0	In Service
44	Verdi	2.2	In Service
45	Washoe	2.2	In Service
	Subtotal Hydro	**11.3**	
46	Goodsprings Recovered Heat Generation	7.5	In Service
	Subtotal Heat Recovery	**7.5**	
47	China Mountain Wind	200.0	In Development
48	Spring Valley Wind	150.0	In Development
	Sub-Total Wind	**350.0**	
	Total Renewables	**1,280.5**	

* Pending PUCN Approval.

** Under contract and previuosly operational but currently shut down.

STATUS OF NVE RENEWABLE ENERGY PORTFOLIO

3. Status of NVE Renewable Energy Portfolio

2010 ACTIVITY

The Companies continued to move forward in 2010 in their ongoing efforts to comply with the Nevada RPS. Nevada Power added 553 MW of renewable energy capacity in 2010 and the first quarter of 2011 and commissioned its first utility owned renewable energy plant.

Nevada Power's first utility-scale owned renewable energy facility was completed in November. The **Goodsprings Recovered Energy Generation Station** is located 35 miles south of Las Vegas. It is a 7.5 MW generating plant which converts waste heat from a natural gas pipeline compressor station to electrical energy. It was dedicated on November 19, 2010. Goodsprings Station was developed and built in partnership with Kern River Gas Transmission Company, a wholly-owned subsidiary of MidAmerican Energy Holdings Company, and was engineered and built by Ormat Nevada Inc., a wholly-owned subsidiary of Ormat Technologies Inc.

The project will use a process to capture the heat from Kern River's natural gas-fueled compressors, and then use that heat to turn a separate generator to produce electricity. To save water, the project uses a dry-cooling system.

On December 20, 2010 the U.S. Department of the Interior announced that it had approved plans by SolarReserve to build a 110 MW concentrating solar power plant in Nye County, NV. The Tonopah Solar Energy Facility known as **Crescent Dunes Solar Energy Projec**t will use a solar power tower design with molten salt storage, as developed by Pratt & Whitney Rocketdyne. The solar power tower system utilizes a field of mirrors called heliostats that concentrate light onto a fluid in a central receiver, and the heat in this fluid is used to generate steam to drive a turbine to generate electricity. SolarReserve intends to begin construction on the project in mid-2011 with commercial operation expected in 2014. The project was approved by the PUCN in 2010. Nevada Power recently entered into an amendment with SolarReserve in order to facilitate project financing with the U.S. Department of Energy.

Nevada Power entered into and the PUCN approved an agreement with Ormat Technologies Inc. for the purchase of the output of a 51 MW plant located in Northern Nevada. The **McGinness Hills Geothermal Project** is in the development stage and is located in a remote area in both the Lander and Pershing Counties of Nevada. The plant is scheduled to be operational by 2014.

Nevada Power signed an agreement to purchase the output of the **Spring Valley Wind Project,** a 150 MW wind farm located 30 miles east of Ely, NV. The 150 MW wind generation farm would be constructed by Pattern Energy on 7,673 acres of the public lands administered by BLM in north Spring Valley, outside of Ely, NV. The project will consist of 75 wind turbines, an electrical substation and utilize an existing 230 kilovolt ("kV") transmission line for interconnection.

Nevada Power signed an agreement with Ormat Technologies to purchase the output of a geothermal plant located in Elko County, northwest of Elko, NV. The 25 MW **Hot Sulphur Springs 2 Geothermal Project** was approved by the PUCN in 2010 and should be operational in 2013.

The **Clayton Valley 1 Project** is a 53.5 MW geothermal plant located in Eureka County southwest of Tonopah, NV being developed by Ram Power Corp. Nevada Power signed an agreement with Ram Power Corp. in 2010 to purchase the plant's output and received PUCN approval in 2010. The project is expected to be on line in 2014.

Nevada Power signed an agreement with NextLight Renewable Power for the output of their PV project located in Primm, NV. NextLight was acquired by First Solar in 2010. The plant, known

as **Silver State Solar**, is a 50 MW project located adjacent to the Walter M. Higgins Generating Station and is scheduled to be operational in 2012.

Nevada Power received approval from the PUCN for the purchase of the output of the 3.2 MW **Lockwood Renewable Energy Facility.** Located southeast of Reno at Waste Management's Lockwood Landfill, the facility is expected to generate renewable energy by late 2011. The Lockwood Plant will use landfill gas extracted from a series of wells at the landfill and use that gas in a state-of-the-art turbine-generator to make renewable electricity for the Companies customers. Waste Management currently has 115 landfill gas-to-energy facilities operating at its landfills throughout North America.

2011 ACTIVITY

On March 11, 2011, the company filed an amendment to its 2009 Integrated Resource Plan requesting approval of three long-term renewable energy power purchase agreements and three PC only agreements.

The **Mountain View Solar** project is located in Clark County, NV. It is a 20 MW solar PV project. Nevada Power requested approval for a 25 year long-term PC and renewable power purchase agreement. The Mountain View Solar, LLC project is a solar PV facility contractually expected to produce 52,840 MWh and 53,897 kPCs annually and is expected to be on line by the end of 2013

Second, Nevada Power requested approval of a 25 year 30 MW long-term renewable power purchase agreement with **FRV Spectrum Solar** located in Clark County, NV. The FRV Spectrum Solar project is a solar PV facility contractually expected to produce 73,907 MWh and 75,016 kPCs annually and is expected to be on line by the end of 2012.

Third, Nevada Power sought approval for a renewable long-term power purchase agreement for the output of a geothermal energy plant being developed by Ormat Technologies in the amendment filed in March. The 51 MW **Dixie Meadows Geothermal** project is located in Churchill County, NV and is expected to come on line by the end of 2014.

Finally, Nevada Power submitted three PC only purchase agreements for PUCN approval. The PC-only purchase agreements are the result of the 2010 NV Energy PC-Only RFO. Each of the facilities is owned by Amonix, a designer and manufacturer of concentrated photovoltaic (CPV) commercial solar power systems, and are identified as follows:

- **CNLV - Water Reclamation Facility**
- **SCGC Amonix, and**
- **Amonix Pecos Facility**

The following table summarizes the Companies' 2010 and 2011 renewable energy activity through the first quarter of 2011.

Table 6 Summary of Activity in 2010 -2011

Project Name	Energy Type	Nevada County	Capacity (MW AC)	Annual MWhs	Annual kPCs	Docket Number	C.O.D.
Projects Declaring C.O.D.							
Goodsprings	Waste Heat	Clark	7.5	45,203	51,983	08-03035	Q4 2010
Projects Signed and Approved by the PUCN							
Energy & Credits							
Tonopah Solar Energy Facility	CSP w/storage	NYE	110.00	484,972	528,619	10-02009	Q3 2014
McGinness Hills	Geothermal	Lander	51.00	260,973	299,592	10-02009	Q2 2014
Spring Valley Wind Project	Wind	White Pine	150.00	315,000	315,000	10-02009	Q4 2011
Hot Sulphur Springs 2	Geothermal	Elko	25.00	141,500	168,500	10-02009	Q2 2013
Clayton Valley Geothermal Project 1	Geothermal	Esmeralda	53.50	263,467	329,467	10-02009	Q3 2014
Silver State Solar	Photovoltaic	Clark	50.00	125,200	132,458	10-02009	Q4 2011
Lockwood Renewable Energy Facility	Landfill Gas	Washoe	3.20	24,703	25,734	10-02009	Q4 2011
			442.70	1,615,815	1,799,370		
Projects Signed and Pending Approval by the PUCN							
Energy & Credits							
Mountain View Solar	Photovoltaic	Clark	20.00	52,840	53,897	11-03014	Q3 2013
FRV Spectrum Solar	Photovoltaic	Clark	30.00	73,907	75,016	11-03014	Q4 2012
Dixie Meadows Geothermal Project #1.	Geothermal	Churchill	51.00	262,508	315,010	11-03014	Q3 2014
			101.00	389,256	443,923		
Credit Only							
CNLV - Amonix	Photovoltaic	Clark	1.00	n.a.	5,957	11-03014	Q4 2012
SCGC - Amonix	Photovoltaic	Clark	0.58	n.a.	3,515	11-03014	Q4 2012
Amonix Pecos Facility	Photovoltaic	Clark	0.46	n.a.	2,722	11-03014	Q4 2012
			2.04		12,194		
		Total	553.24	2,050,274	2,307,470		

In the following sections each renewable energy facility approved and currently operating or in development prior to 2010 will be indenfied.

3.1. Geothermal Energy

In 2010 the Companies continued to add geothermal energy to their portfolios, increasing by 9.3%. The following table lists the geothermal projects currently in operation or development to supply NVE with geothermal energy.

Table 7 Geothermal Projects

Project	MW (nameplate)	Status
Beowawe	17.7	In Service
Brady Geothermal Project	24.0	In Service
Carson Lake Geothermal Project	31.5	In Development
Clayton Valley	53.5	In Development
Desert Peak Geothermal Project No. 2	19.0	In Service
Dixie Meadows Geothermal Project No. 1	51.0	In Development
Faulkner 1	49.5	In Service
Galena 2	13.0	In Service
Galena 3	26.5	In Service
Homestretch	2.1	In Service
McGinness Hills	51.0	In Development
Hot Sulphur Springs 2	25.0	In Development
Jersey Valley Geothermal Project	22.5	Commissioning
Richard Burdette Generation Facility	26.0	In Service
Salt Wells	23.6	In Service
San Emidio	3.8	In Service
Soda Lake I	3.6	In Service
Soda Lake II	19.5	In Service
Steamboat Hills	13.2	In Service
Steamboat IA	2.0	In Service
Steamboat II	13.4	In Service
Steamboat III	13.4	In Service
Stillwater 2	47.2	In Service
Geothermal	**552.0**	

For descriptions of geothermal projects approved by the PUCN in 2010 or currently pending approval, see sections labeled “2010 ACTIVITY” and “2011 ACTIVITY” above. The following is a description of all other geothermal facilities that are currently part of the Companies’ renewable portfolio:

Beowawe Power – 17.7 MW

Located in Lander and Eureka Counties, NV, the Beowawe geothermal power station is owned by Terra-Gen Power. The plant was placed into service in 1985 and was originally under contract with Southern California Edison, but is currently under contract to Sierra.

Brady Geothermal – 24.0 MW

Located in Churchill County northeast of Fernley, NV, Brady Geothermal Power Plant is owned by Ormat Technologies and started producing energy in 1992.

Carson Lake Geothermal Project – 31.5 MW

In the development stage, the Carson Lake Geothermal Project is being developed by Ormat Technologies in Churchill County near Fallon, NV. Nevada Power has a joint ownership agreement that allows it to purchase a 50 % interest in Carson Lake Geothermal.

Desert Peak 2 Geothermal Power – 19 MW

Located in Churchill County, NV, the Desert Peak geothermal power station is owned by Ormat Technologies and started producing energy in 2007.

Faulkner 1 Geothermal Power Plant – 49.5 MW

Located in Humboldt County near Blue Mountain, NV, the Faulkner 1 geothermal power station is owned by Nevada Geothermal Power Company. It started producing energy in 2009.

Galena 2 Geothermal Power Plant – 13 MW

Located in Washoe County south of Reno near Steamboat, NV, the Galena 2 geothermal power station is owned by Ormat Technologies and started producing energy in 2007.

Galena 3 Geothermal Power Plant – 26.5 MW

Located in Washoe County south of Reno near Steamboat, NV, the Galena 3 geothermal power station is owned by Ormat Technologies and started producing energy in 2008.

Homestretch 1/2/3 Geothermal Power Plant – 2.1 MW

Located in Lyon County north of Yerington, NV, the three small Homestretch geothermal plants are owned by Homestretch Geothermal, LLC and began producing in 1986.

Jersey Valley Geothermal Project – 22.5 MW

In the development stage, the Jersey Valley geothermal project is owned by Ormat Technologies Co. and is located in a remote area in both Lander and Pershing Counties. The project is currently producing test energy and is scheduled to be operational this year.

Richard Burdette Geothermal Power Plant – 26 MW

Located in Washoe County near Steamboat, NV, the Richard Burdette Geothermal Power Plant is owned by Ormat Technologies and went into service in 2006.

Salt Wells Geothermal Plant – 23.6 MW

Located in Churchill County east of Fallon, NV, the Salt Wells Geothermal Plant is owned by Enel North America and began producing energy in 2009.

San Emidio Geothermal Plant – 3.8 MW

Located in northern Washoe County south of Gerlach, NV, the San Emidio Geothermal Plant is owned by US Geothermal Inc. It has been producing geothermal energy since 1987.

Soda Lake 1 & 2 Geothermal Plant – 23.1 MW

Located in Churchill County east of Fallon, NV, the Soda Lake 1 & 2 Geothermal Plants are owned by Magma Energy Corp. and began producing energy in 1987 and 1991 respectively.

Steamboat Hills Geothermal Plant – 13.2 MW

Located in Washoe County, the Steamboat Hills Geothermal Plant is owned by Ormat Technologies and began producing energy customers in 1988.

Steamboat 1A Geothermal Plant – 2 MW
Located in Washoe County, the Steamboat 1A Geothermal Plant is owned by Ormat Technologies and began producing energy in 1988.

Steamboat 2 Geothermal Plant – 13.4 MW

Located in Washoe County, the Steamboat 2 Geothermal Plant is owned by Ormat Technologies and began producing energy in 1992.

Steamboat 3 Geothermal Plant – 13.4 MW

Located in Washoe County, the Steamboat 3 Geothermal Plant is owned by Ormat Technologies and began producing energy in 1992.

Stillwater 2 Geothermal Plant – 47.2 MW

Located in Washoe County, the Stillwater 2 Geothermal Plant is owned by Enel North America and began producing energy in 2009.

3.2. Solar Energy

Southern Nevada's abundant sunshine and ample open land make this an excellent location for the development of solar power.

Table 8 Solar Projects

Project	MW (nameplate)	Status
Amonix Pecos Facility	0.5	In Development
CNLV - Amonix	1.0	In Development
FRV Spectrum	30.0	In Development
Las Vegas Valley Water District (six projects)	3.1	In Service
Mountain View Solar	20.0	In Development
Nellis AFB, Solar Star	13.2	In Service
Nevada Solar One	69.0	In Service
Procaps Laboratory	0.2	In Service
RV Apex Solar	20.0	In Development
SCGC - Amonix	0.6	In Development
Searchlight Solar LLC	17.5	In Development
Silver State Solar	50.0	In Development
Tonopah Solar Energy Facility	110.0	In Development
Solar	**335.0**	

The following facilities were approved prior to 2010 and are currently operating or in development.

Las Vegas Valley Water District (6 projects) – 3.1 MW

Six Las Vegas-area solar PV projects totaling 3.1 MW owned and operated by PowerLight Corporation. These installations began producing electricity in 2006 and 2007.

Nellis Air Force Base, Solar Star – 13.2 MW

Owned by Fotowatio, this solar 12 MW PV power project produces energy for Nellis Air Force Base, located north of Las Vegas. It began producing electricity in 2007.

Nevada Solar One – 69 MW

A 69-MW concentrating solar thermal plant that is located in the Eldorado Valley near Boulder City, NV It is owned and operated by Acciona Solar Power and came on line in 2007

Procaps Laboratory – 0.2 MW

A 0.2 MW solar photovoltaic installation in Henderson, NV which is owned by Your Vitamins and began producing in 2004

RV Apex Solar – 20.0 MW

Still in the development stage, this photovoltaic project near Apex, NV is owned by Fotowatio and is expected to be in operation in 2012.

Searchlight Solar LLC – 17.5 MW

Still in the development stage, Searchlight 1 is a solar photovoltaic project owned by American Capital Energy. It is expected to be in operation in 2012 and is located near Searchlight, NV

SolarGenerations

A part of Renewable Generations, this program offers incentives to customers for installing approved photovoltaic systems and is funded by Nevada ratepayers. The systems can be installed on residences, small businesses, public buildings and schools.

The SolarGenerations program recorded significant growth in the number and size of solar systems in all customer categories in 2010. The year finished with customers installing over 5 MW of capacity in 2010, a growth of approximately 300% compared to 2009. The capacity installed in 2010 was more than 50% greater than the capacity installed in all previous years combined. In addition, for the first time in the program's history, seven projects sized at 100 kW or more received a rebate.

The SolarGenerations program opened for applications on April 21, 2010 with 13.4 MW of available capacity. The program received the largest response in its history and accepted over 1,050 applications, representing 34.8 MW within the first six hours of opening. The increased demand for the incentive program was the result of a number of key factors: it was the first offering of applications since 2008, it offered attractive incentive levels, had larger project caps, additional funding options were available and national awareness of renewable energy was increasing.

The Companies' success in 2010 was due in large part to the expeditious work of the PUCN to help resolve the overwhelming demand for the solar incentive program during the April application period. The Companies proposed a solution and the Commission found a way to expand the program and provide rebates to more customers rather than fewer.

On May 21, 2010 the Companies filed a proposal seeking approval from the Commission to grant a reservation to each applicant who submitted a complete application between April 21 and April 26, 2010. The PUCN approved NVE's request on August 25, 2010. Incentive reservations were to be issued to all who applied during the April application period.

Distributed Generation Study (Docket Number 10-04008)

On July 28, 2010, The Public Utilities Commission of Nevada (PUCN) issued a draft Compliance Order to determine how Distributed Generation (DG) can impact NV Energy's energy delivery system performance, reliability, distribution operations, and electricity rates.

As a result of its significant experience examining DG integration on utility systems in Nevada the Navigant Consulting Inc. was selected by NV Energy to conduct a study to address the PUCN's primary objective contained in its Order, summarized in the following question:

"What is the maximum amount of DG from renewable energy that can be integrated on the distribution systems of the Companies within the existing operating limits?"

The study was completed in December of 2010 and analyzed DG from the utility perspective. Specifically, it evaluated the technical and economic impacts of DG on NV Energy's system and ratepayers. The study didn't address the cost, economics or value of DG from the DG owner's perspective. The investigation focused on DG installed on NV Energy's distribution lines (feeders), and/or customer premises.

Navigant's analysis indicated that NV Energy's distribution system alone is not the limiting factor with regard to how much DG can be installed under existing operating limits. For higher DG penetration, the impact on the transmission grid and generation operations must be considered. Further, the presence of large, utility-scale renewable generation may curtail the amount of DG

PV Integration Study (Docket Number 10-02009)

NV Energy has contracted with Navigant Consulting Inc. and Sandia National laboratories to conduct a high-penetration solar PV integration study. A series of analyses will be performed in an effort to assess the integration cost and determine the operational challenges associated with the integration of high amounts of solar PV capacity. NVE is concerned that the impact of intermittency on the output of these PV facilities (typically associated with the passage of cloud shadows over the array) will potentially put strains on the ability of the NVE system to "follow" these intermittent recourses with existing dispatchable generators. The study will address several integration issues:

- Quantify the likely generation profile of such variable resources.
- Estimate integration cost under different assumptions (penetration level, PV technology, plant location and size).
- Estimate the impact on spinning reserve levels.
- Understand the value of geographical diversity of PV resources.
- Identify alternative strategies to manage variability and uncertainty more efficiently (real-time operations and scheduling time frames).
- Quantify the ancillary service requirements needed to accommodate this energy.
- Evaluate the impact of these resource additions on the Company's economic dispatch.
- Estimate the potential O&M impact on existing generation units.
- Identify impacts on the ability to comply with NERC control performance standards.

Integrated Solar Combined Cycle

An Integrated Solar Combined Cycle System (ISCC) is an integrated plant consisting of a conventional combined cycle plant, a solar collector field, and a solar steam generator. During sunny periods solar power is used to increase steam flow rate to provide an increase in the output of the plant. During cloudy periods and at night, the integrated plant operates as a conventional combined cycle facility.

NVE is evaluating the potential of integrating solar generated steam into existing conventional power stations. Where feasible, adding solar generated steam to existing steam cycle plants

would reduce the consumption of conventional fuel while minimizing new capital expenditures by utilizing existing power plant infrastructure. NVE continues to evaluate the project.

3.3. Biomass/Methane Energy

Table 9 Biomass/Methane Projects

Project	MW (nameplate)	Status
CC Landfill LLC	10.7	In Development
Lockwood Renewable Energy Facility	3.2	In Development
Sierra Pacific Industries	10.0	In Service
Truckee Meadows Water Reclamation Facility	0.8	In Service
Biomass / Methane	**24.7**	

For descriptions of biomass/methane projects approved by the PUCN in 2010 or currently pending approval, see sections labeled "2010 ACTIVITY" and "2011 ACTIVITY" above. The following is a description of all other biomass/methane facilities that are currently part of the Companies' renewable portfolio:

CC Landfill Energy, LLC – 10.7 MW
To be located at Republic Services' Apex regional landfill north of Las Vegas, this project will be owned and operated by Energenic. The project will use landfill gas extracted from a series of wells at the landfill and use that gas in state-of-the-art turbine generators to make renewable electricity for Nevada Power's customers. Using landfill gas in this manner will reduce dependence on other natural resources and will improve air quality and carbon emission

Sierra Pacific Industries – 10 MW
Owned and operated by Sierra Pacific Industries, this wood chip biomass project was first operational in 1989. It is located in California, northwest of Reno, NV, in the Tahoe National Forest. It is currently shut down.

Truckee Meadows Water Reclamation Facility – .7 MW

Owned and operated by the City of Sparks, NV, this water and sewage recycling facility generates methane gas to power a small generator.

3.4. Hydro Energy

Table 10 Hydro Projects

Project	MW (nameplate)	Status
Fleish	2.3	In Service
Hooper	0.8	In Service
Truckee Carson Irrigation District, New Lahontan	4.0	In Service
Verdi	2.2	In Service
Washoe	2.2	In Service
Hydro	**11.3**	

The following is a description of all small hydro facilities that are currently part of the Companies' renewable portfolio:

Fleish Hydro facility – 2.25 MW

This small hydro-electric plant is located on the California/Nevada border southwest of Reno. It went into commercial operation in 2006 and is owned by the Truckee Meadows Water Authority.

Hooper Hydro facility – 0.7 MW

This small hydro-electric plant located is located in Elko, NV and went into operation in 1986. It is owned and operated by Hooper Hydro Electric.

Truckee Carson Irrigation District – 4.0 MW

This small hydro-electric plant is located in Lahontan, NV and went into operation in 1987. It is owned and operated by the Truckee Carson Irrigation District.

Verdi Hydro Facility – 2.15 MW

This small hydro-electric plant located is located in Washoe County and went into service in 2006. It is owned by the Truckee Meadows Water Authority.

Washoe Hydro facility – 2.15 MW

This small hydro-electric plant located is located in Washoe County and went into service in 2006. It is owned by the Truckee Meadows Water Authority.

Hydro Generations

A part of Renewable Generations, this program offers incentives to customers for installing approved small hydropower systems on their agricultural land and is funded by Nevada ratepayers. Hydropower is based on simple concepts. Moving water turns a turbine, the turbine spins a generator, and electricity is produced. Now customers can take advantage of running water on their agriculture property to help lower their monthly power bill and the Hydro Generations incentive program can help offset the system equipment and installations cost.

The Companies' targeted marketing in rural agricultural areas led to a greater awareness of the Hydro Generations program and the Companies' work with the PUCN to create a non-net metering category opened the program to new applicants who were unable to participate before. Also, the expansion of the maximum project size from 40 kW to 200 kW helped make larger projects more financially viable. Finally, the Companies acknowledge the cooperation of the US Department of Agriculture (USDA) to help make projects more financially practicable for our customers. The USDA's Rural Development grant program has been incorporated into all of the projects in the Hydro Generations program. With these significant improvements, the program has the potential to not only reach the legislated goal of 500 kW by 2012 but install nearly 688 kW by the end of the program on December 31, 2011.

3.5. Recovered Heat Energy

Table 11 Recovered Heat Generation Project

Project	MW (nameplate)	Status
Goodsprings Recovered Heat Generation	7.5	In Service
Recovered Heat	**7.5**	

Goodsprings Energy Recovery Station – 7.5 MW

Located near Goodsprings, NV, this heat recovery project is owned by Nevada Power, and currently operated by Ormat Technologies. The project was approved by the PUCN in 2007. It is located adjacent to a Kern River Gas Transmission Company compressor station and captures heat from the compressors and then uses that heat to turn a separate generator to produce electricity. It began producing in 2010.

3.6. Wind Energy

Table 12 Wind Projects

Project	MW (nameplate)	Status
China Mountain Wind	200.0	In Development
Spring Valley Wind	150.0	In Development
Wind	**350.0**	

For a description of the Spring Valley wind project approved by the PUCN in 2010, see the section labeled "2010 ACTIVITY" above. The following is a description of other wind facilities that are currently part of the Companies' renewable portfolio:

China Mountain Wind Project – 200 MW

Still in the development stage, this is a joint development project between NV Energy and RES Americas. It is located on the Nevada-Idaho border, near Jackpot, NV RES Americas is taking the lead role with the development efforts and is supporting the Bureau of Land Management, which is preparing an Environmental Impact Statement (EIS) to assess the impact that the construction and operation of the proposed facilities could have on natural and cultural resources and local communities.

Wind Generations

A part of Renewable Generations, this program offers incentives to customers for installing approved wind energy systems on their property and is funded by Nevada ratepayers. Windmills have been used in farming and ranching communities for centuries to pump water for animals and crops. Today they're making a comeback as modern wind turbines generate electricity for both rural and urban areas. Through its Wind Generations program, the Companies offer one of the most aggressive wind incentive programs in the nation with a goal of installing over 5 MW wind energy by the end of 2012.

Based on the success of the Solar Generations program, the Nevada State Legislature created the Wind Generations and Hydro Generations programs. The Wind Generations program offers incentives to customers in a similar fashion as the Solar Generations program. The Wind Generations program added agriculture to the categories available for incentives paid to customers who install small wind generating facilities on their property.

In 2010, application activity in the Wind Generations program brought the 5 MW goal established by the legislature closer to reality. While 2010 finished with that goal still far from realized, the 11 MW of applications received in late 2010 marked the biggest step in the program towards reaching that goal. In October 2010, the Wind Generations program had its most successful month connecting 55 kW of wind energy systems. This represented more than 50% of all the capacity installed in 2010. In December, the largest wind turbine in the program, a 25kW generator, was installed in Washoe Valley. A total of 25 projects were completed in 2010 representing 113.6 kW. During the year, Wind Generations received 170 applications for 11 MW. As of December 31, 2010, there were 170 active participants in the program representing 11,369 kW of reserved capacity

ENERGY EFFICIENCY AND CONSERVATION

4. Energy Efficiency and Conservation

4.1. Status of Demand Side Management Programs

The Nevada Revised Statutes, as amended by Assembly Bill No. 3 of the 22nd Special Session of the Nevada Legislature (now codified at NRS 704.7821(2)(b)) provided the opportunity for the Companies to use energy efficiency measures to earn PCs and apply them to meet up to 25 % of the RPS requirement. Subsequent to the passage of AB 3 the companies initiated comprehensive work to expand their DSM programs to take advantage of this new opportunity. This was accomplished through resource plans currently in effect. In Nevada Power's 2009 Integrated Resource Plan (Docket 10-02009) Nevada Power proposed and the Commission approved the continuation of its DSM portfolio. The Demand Side Plan is designed to place Nevada Power in a position to exceed the energy savings required to meet the allowed 25 % of the RPS in the future years. The proposed programs were approved by the Commission's Order issued on July 28, 2010.

In Sierra's 2010 Integrated Resource Plan (Docket No. 10-07003), Sierra proposed and the commission approved continuation of its DSM portfolio. The proposed plan enables Sierra to achieve energy savings in the future years that exceed the energy savings required to meet the allowed 25 % of the RPS. The proposed DSM plan was approved, with minor exceptions, by the Commission's order issued on December 8, 2010.

In 2011, the Companies continue fielding their comprehensive DSM programs.

Nevada Power

The execution of Nevada Power's Demand Side Plan in 2010 achieved savings that exceed the targeted energy savings for 2010 (as shown in Table 26, p.70). The DSM PCs that have been calculated as a result of energy savings verified to date far exceed the 25 % of the RPS requirement allowed for 2010. The balance of the energy savings for the programs for which the measurement and verification process is still in progress have been reported as provisional in this report and will be reported in the 2011 compliance report.

Nevada Power is well positioned to provide the maximum allowed 25% of the RPS from DSM activities for 2011.

Sierra

Sierra also demonstrated comprehensive execution of its Demand Side Plan in 2010 achieving savings that meet the targeted energy savings for 2010 (as shown in Table 27, p.71). The DSM PCs that have been calculated as a result of energy savings for 2010 and prior years that carry forward exceed the 25 % of the RPS requirement allowed for 2010. The balance of the energy savings for the programs for which the measurement and verification process is still in progress have been reported as provisional in this report and will be reported in the 2011 compliance report.

Sierra, too is well positioned for 2011 and is expected to provide the allowed 25 % of the RPS requirement for 2011.

4.2. Renewable Generations

Renewable Generations is the incentive program from the Companies that helps customers offset the installation costs of renewable energy systems. Renewable Generations is comprised of Solar Generations, Wind Generations and Hydro Generations. Each of these programs is described in sections 3.2, 3.4 and 3.6 respectively. The following table includes the 2011 projected cost of the Renewable Generations programs

Table 13 2010 - 2011 Cost of Renewable Generations

	2011 - 2012 Estimated Cost by Company		
Program (Plan Year: July 1 - June 30)	**Nevada Power**	**Sierra**	**Total**
Solar Generations	$54,629,438	$52,634,663	$107,264,101
Hydro Generations	$0	$4,590,901	$4,590,901
Wind Generations	$1,876,950	$44,520,980	$46,397,930
Total Renewable Generations	**$56,506,388**	**$101,746,544**	**$158,252,932**

	Total		
Program (Plan Year: July 1 - June 30)	**2010 Plan Year Estimate**	**2011 Plan Year Estimate**	**Estimated Increase**
Solar Generations	$23,780,955	$107,264,101	$83,483,146
Hydro Generations	$792,541	$4,590,901	$3,798,360
Wind Generations	$331,089	$46,397,930	$46,066,841
Total Renewable Generations	**$24,904,585**	**$158,252,932**	**$133,348,347**

Note: Plan Year is July 1 -- June 30.

TRANSMISSION

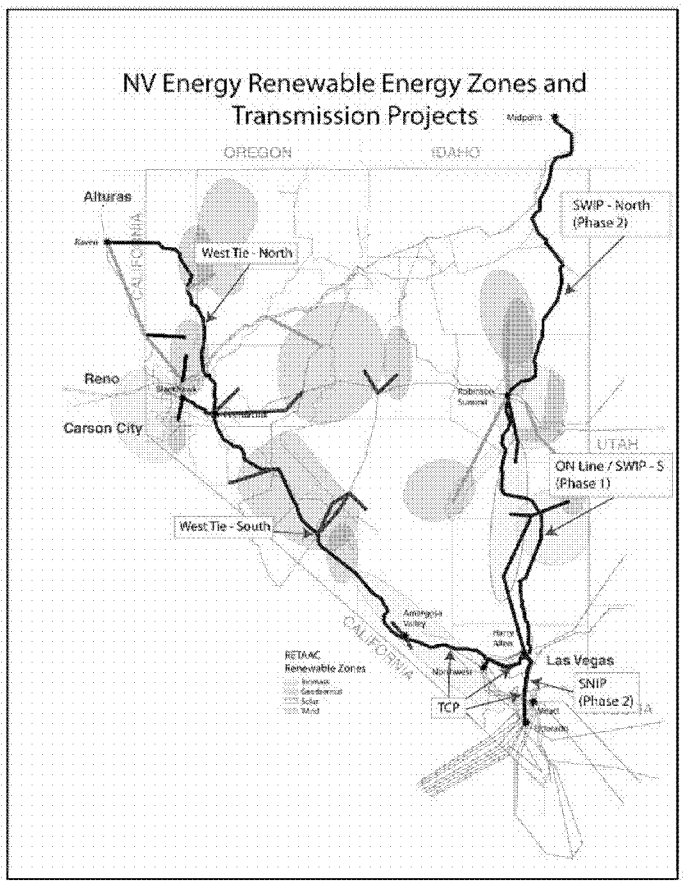
5. Transmission

Transmission plays a critical role in complying with the RPS. Nevada is an expansive state with limited transmission infrastructure. Often renewable energy resources are not near existing transmission lines or the transmission lines are too small to carry the desired levels of electricity. In response to these limitations, the Companies' Transmission group has created a three part strategy. This strategy is documented in the 2010 Sierra IRP filing. Specifically, the Companies have prepared the Renewable Energy Conceptual Transmission Plan ("RECTP").

The RECTP describes specific proposals for the initial development of transmission infrastructure facilities, such as the ON Line project, and permitting and right of way acquisition activities for transmission corridors needed to access the Commission designated renewable energy zones and deliver these resources to load centers where the energy is consumed.

RECTP OVERVIEW

To meet the Companies' goals, and state and federal policies, the Companies have proposed a three part strategy for developing a robust, flexible, and scalable bulk transmission system. The elements of that strategy are as follows:



1. Construct the ON Line project. This project allows for the initial transfer of approximately 600 MW of renewable energy in the base configuration. This line will allow for transfers of renewable energy between Sierra and Nevada Power, will provide access for additional renewable resources (predominantly wind generation) in the Ely area, will cross through solar-rich properties in Lincoln and Clark counties, and provide access to Nevada Power's system at the Harry Allen Substation.

2. Permit Harry Allen to Northwest 500 kV and Northwest to Amargosa 500 kV transmission corridors. If permitted, these corridors will form the first leg of a Westside Tie Line as proposed by the Renewable Energy Transmission Access Advisory Committee ("RETAAC") and discussed in the Companies' Statement of Interest ("SOI") with Western. These corridors provide access from the premier solar locations in the Amargosa Valley into Nevada Power's system at the Harry Allen Substation. Through the PEIS process, the BLM has identified a potential of 6,500 to 11,500 MWs of solar generation within the Amargosa Valley and from solar resources north toward Tonopah.

3. Permit Harry Allen to Eldorado 500 kV transmission corridor. This last link in the three part strategy will provide expanded access from the Harry Allen substation to substations in the Eldorado Valley, in particular, the jointly owned Eldorado substation, and potentially Western's

Mead substation. The majority of renewable power import and export transactions are expected to occur at these two substations. The combination of the ON Line in the east and the proposed corridors along with the Westside tie will allow the Companies to access the full menu of renewable resources available in Nevada and deliver them to load centers. Without an export outlet, the transmission facilities required to serve the newly designated renewable energy zones would result in either trapped generation or in additional costs to Nevada's ratepayers.

DEVELOPMENT EFFORTS

In support of RPS goals the Companies have a number of different efforts investigating strategies for developing transmission infrastructure needed to support renewable energy resources. These efforts have included: (1) participation in the Companies' own RPS development; (2) participation in Nevada's RETAAC renewable zone definitions; (3) interconnecting renewable resources into the Companies' transmission systems resulting from Open Access Transmission Tariff ("OATT") generator interconnection requests; (4) preparing responses to state policy makers interested in exporting renewable resources, such as the Department Of Energy ("DOE"); (5) participation in the BLM corridor designation processes, Western Governors' Association Western Renewable Energy Zone identification process; (6) BLM lease grant requests; and (7) the BLM's Solar Energy Development Programmatic Environmental Impact Statement ("PEIS") process. To date these efforts have resulted in the Companies obtaining a SOI from the Western, followed by execution of an announced Memorandum of Understanding with Western.

OTHER TRANSMISSION ISSUES

The FERC and NERC have pending regulations that may change the nature of the renewable energy impact on transmission. The FERC Variable Energy Resource ("VER") Notice of Proposed Rulemaking and the NERC Reliability Standard BAL-002 proposed revisions both have the potential to significantly change the transmission provider obligations for renewable energy. The Companies Transmission group is working with FERC and NERC to develop rules that are acceptable to the Companies.

ANNUAL REPORT REQUIREMENTS

-

6. Annual Report Requirements

This section contains the reporting information required by the Nevada Administrative Code ("NAC") for annual reporting by providers of electric service. "Provider of electric service" and "provider" mean any person or entity that is in the business of selling electricity to retail customers for consumption in this State, regardless of whether the person or entity is otherwise subject to regulation by the Commission. Each of the Companies, Nevada Power and Sierra, is considered a separate provider. The information in this section is provided in tabular format preceded by the requirement included in the NAC.

NAC 704.8879 Annual reports. (NRS 703.025, 704.210, 704.7825, 704.7828)

1. Beginning with compliance year 2004, not later than April 1 of each compliance year, each provider shall submit to the Commission an annual report that sets forth all the information required by this section.

2. The annual report must set forth:

6.1. Capacity

(a) The capacity of each renewable energy system owned, operated or controlled by the provider, the total number of kilowatt-hours generated by each such system during the most recently completed compliance year and the percentage of that total amount which was generated directly from renewable energy.

Table 14 Owned Renewable Energy Capacity in 2010

Nevada Power and Sierra Owned Renewable Energy Capacity for 2010					
System Name	Date of Initial Operation	Capacity (kW)	2010 Generation (kWh)	2010 Credits (PCs) *	% from Renewable Energy
Nevada Power					
Clark Amonix PV System	Apr-06	75	0	0	100%
Pearson PV System	May-05	19	41,800	43,890	100%
Ryan Center PV System	Jun-05	115	220,665	231,698	100%
Molasky PV system	Oct-07	25	54,023	56,724	100%
Goodsprings	Nov-10	7,500	5,513,000	5,513,000	100%
	Subtotal	**7,734**	**5,829,488**	**5,845,312**	**100%**
Sierra					
Sierra Plaza PV	Nov-06	75	129,726	136,212	100%
Sierra Plaza Wind	Nov-06	10	968	1,016	100%
Sierra Plaza Tracking PV	Nov-06	1	2,755	2,893	100%
Fleet Building Solar	Feb-08	75	44,634	46,866	100%
	Subtotal	**161**	**178,083**	**186,987**	**100%**
	Total	**7,895**	**6,007,571**	**6,032,300**	**100%**

* 5% adjustment for line losses

6.2. New Systems

(b) Whether, during the most recently completed compliance year, the provider began construction on, acquired or placed into operation any renewable energy system and, if so, the date of any such event.

Table 15 New Construction

Project Name	Type	System	Construction Start Date	In-Service Date	Capacity (Kw)
Goodsprings	Recovered Energy Generation	Nevada Power	Nov-08	Nov-10	7,500.0
Total					**7,500.0**

6.3. Retail Sales

(c) The total number of kilowatt-hours sold by the provider to its retail customers in this State during the most recently completed compliance year.

Table 16 Retail Sales

Company	2010 Nevada Retail Sales (MWH)
Nevada Power	20,642,262
Sierra	7,532,263
Total	**28,174,525**

6.4. Renewable Generation

(d) The total number of kilowatt-hours that the provider generated, acquired or saved from portfolio energy systems or efficiency measures during the most recently completed compliance year and, from that total number of kilowatt-hours, subtotals for the number of kilowatt-hours:

1. *Generated or saved by the provider from its own portfolio energy systems or efficiency measures;*
2. *Acquired by the provider pursuant to long-term portfolio energy credits contracts;*
3. *Acquired by the provider pursuant to long-term renewable energy contracts;*
4. *Acquired by the provider pursuant to short-term portfolio energy credits contracts;*
5. *Acquired by the provider pursuant to short-term renewable energy contracts;*
6. *Acquired or saved by the provider pursuant to energy efficiency contracts;*
7. *Attributable to the provider from solar thermal systems;*
8. *Fed back to the provider from net metering systems used by customer-generators pursuant to NRS 704.766 to 704.775, inclusive;*
9. *Deemed to be electricity that the provider generated or acquired from a renewable energy system for the purposes of complying with its portfolio standard pursuant to paragraph (a) of subsection 3 of NRS 704.775*
10. *Saved by the provider as a result of energy efficiency measures installed at service locations of residential customers of the provider for the purposes of paragraph (b) of subsection 2 of NRS 704.7821.*

Table 17 Summary of Portfolio Energy Credits for 2010

NAC 704.8879(2)(d)	Nevada Power	Sierra	Total
Retail Sales (MWh)	**20,642,262**	**7,532,263**	**28,174,525**
Current Year KPC Requirement (12%)	**2,477,071**	**903,872**	**3,380,943**
Prior Year PC Deficit	**431,402**	**-**	**431,402**
Total Current Year KPC Requirement	**2,908,473**	**903,872**	**3,812,345**
Resources			
(1) Own systems or efficiency measures:	5,845	187	6,032
(2) Long-term portfolio energy credits contracts:	93,831	-	93,831
(3) Long-term renewable energy contracts (excluding solar):	445,891	972,806	1,418,697
(4) Short-term portfolio energy credits contracts:	10,562	-	10,562
(5) Short-term renewable energy contracts:	1,185,155	-	1,185,155
(6) Acquired or saved through energy efficiency contracts:	-	-	-
(7) Attributable to the provider from solar thermal systems:	102,489	48,211	150,700
(8) Fed back to the provider from net metering systems:	8,287	10,335	18,622
(9) Carried forward from prior years' net metering systems:	-	-	-
(10) Saved from energy efficiency measures (DSM):	1,190,586	467,000	1,657,586
Total 2010 KPC	3,042,646	1,498,539	4,541,185
California Set-Aside	-	(99,499)	(99,499)
Total Eligible 2010 KPCs	**3,042,646**	**1,399,040**	**4,441,686**
2010 Requirement less Eligible KPCs = KPC Surplus/(Deficit)	134,173	495,168	629,341
Solar			
Solar Requirement (5% of Total Requirement)	123,854	45,194	169,048
Solar KPCs included in the PCTotal	209,887	58,702	268,589
2010 Solar Requirement less Eligible KPCs = KPC Surplus/(Deficit)	86,033	13,508	99,541
DSM			
Carried Forward from Prior Years	422,556	135,833	558,389
Generated in 2010	1,387,298	557,135	1,944,433
Total DSM Before 25% Limitation	1,809,854	692,968	2,502,822
25% DSM Limitation	**619,268**	**225,968**	**845,236**
Net DSM Surplus/(Deficit)	1,190,586	467,000	1,657,586
Summary			
Renewable Requirement	**2,908,473**	**903,872**	**3,812,345**
Total KPCs Available to Meet the Requirement	**3,042,646**	**1,399,040**	**4,441,686**
Net Renewable Surplus/(Deficit)	**134,173**	**495,168**	**629,341**

6.5. Carry Forwards

(e) The total number of kilowatt-hours that the provider:

1. *Carried forward as excess from the previous compliance years;*
2. *Intends to carry forward as excess from the most recently completed compliance year;*
3. *Intends to carry forward as excess from previous compliance years, indicating the amount from each separate year;*
4. *Carried forward as deficiencies from previous compliance years;*
5. *Intends to carry forward as deficiencies from the most recently completed compliance year; and*
6. *Intends to carry forward as deficiencies from previous compliance years, indicating the amount from each separate year.*

Table 18 Carry Forward

The Total number of kilowatt-hours that the provider:		Type	Nevada Power Co.	Sierra Pacific Power Co.	Total
1	Carried forward as excess from previous compliance years;	DSM	422,556	135,833	558,389
		Non Solar	0	0	0
		Solar	0	0	0
2	Intends to carry forward as excess from the most recently completed compliance year;	DSM	1,190,586	467,000	1,657,586
		Non Solar	48,140	481,660	529,800
		Solar	86,033	13,508	99,541
3	Intends to carry forward as excess from previous compliance years, indicating amount from each separate year;	DSM (2010)	1,190,586	467,000	1,657,586
		Non Solar (2010)	48,140	481,660	529,800
		Solar (2010)	86,033	13,508	99,541
4	Carried forward as deficiencies from previous compliance years;	DSM	0	0	0
		Non Solar	431,402	0	431,402
		Solar	0	0	0
5	Intends to carry forward as deficiencies from the most recently completed compliance year;	DSM	0	0	0
		Non Solar	0	0	0
		Solar	0	0	0
6	Intends to carry forward as deficiencies from previous compliance years, indicating the amount from each separate year.	DSM	0	0	0
		Non Solar	0	0	0
		Solar	0	0	0

Note: In accordance with the Portfolio Energy Credit Exchange Agreement between Sierra Pacific Power Company and Nevada Power Company (February 11, 2009) the PCs available in excess of the Companies' obligation under the RPS have been deposited in a joint pool. Records are maintained that account for the amount, vintage and type of the excess PCs contributed to the pool by each (see Table 22).

6.6. 2011 Estimated Sales

(f) The estimated number of kilowatt-hours that the provider expects to sell to its retail customers in this State during the current compliance year.

Table 19 Estimated Retail Sales (MWH)

Company	Estimated 2011 Nevada Retail Sales (MWH)
Nevada Power	20,737,728
Sierra	7,598,577
Total	**28,336,305**

6.7. 2011 Estimated Credit Requirement

(g) The estimated number of kilowatt-hours that the provider must generate, acquire or save from portfolio energy systems or efficiency measures to comply with its portfolio standard for the current compliance year, as calculated by the provider pursuant to NAC 704.8877.

Table 20 Estimated 2011 RPS Compliance

Company	Estimated 2011 Nevada Retail Sales	RPS %	Estimated 2011 Nevada Overall KPC Requirement	Estimated 2011 Nevada Solar KPC Requirement	Estimated Allowable DSM kPCs	Estimated 2011 kPC Supply (all sources)
Nevada Power	20,737,728	15%	3,110,659	155,533	777,665	3,523,381
Sierra	7,598,577	15%	1,139,787	56,989	284,947	1,926,080
Total	**28,336,305**		**4,250,446**	**212,522**	**1,062,611**	**5,449,461**

6.8. 2011 Estimated Costs

(h) If the provider is a utility provider, the estimated costs for the utility provider to comply with its portfolio standard for the current compliance year. If appropriate, the utility provider must report such estimated costs for each major type of cost, such as general and administrative costs and costs for purchased power.

Table 21 Estimated Total Cost for 2011

Renewable Energy	Nevada Power	Sierra	Total
Purchase Power & PC Expenditures	$94,053,000	$75,606,000	$169,659,000
General and Administrative Expenditures			
Non-Fuel O&M	1,442,250	480,750	$1,923,000
Pre-Development	5,000,000	-	5,000,000
Wind Monitoring Equipment	90,000	-	90,000
Subtotal - Renewable Energy	**$100,585,250**	**$76,086,750**	**$176,672,000**
Energy Efficiency			
Program Expenditures (including Incentives)	$69,770,000	$10,359,000	$80,129,000
General and M&V Expenditures	$7,752,000	$1,151,000	$8,903,000
SolarGenerations	$54,629,438	$52,634,663	$107,264,101
Hydro Generations	$0	$4,590,901	$4,590,901
Wind Generations	$1,876,950	$44,520,980	$46,397,930
Company Owned Renewables	$10,000	$10,000	$20,000
Subtotal - Energy Efficiency	**134,038,388**	**113,266,544**	**247,304,932**
Total	**$234,623,638**	**$189,353,294**	**$423,976,932**

6.9. Portfolio Standard Compliance

3. In the annual report, the provider must make an affirmative showing that the provider complied with its portfolio standard during the most recently completed compliance year. If the provider did not comply with its portfolio standard during the most recently completed compliance year, in the annual report the provider must:

(a) Make a detailed explanation for its noncompliance; and

(b) Provide any information that would support an exemption for the provider from any administrative fine or other administrative action.

Both Nevada Power and Sierra complied with its Portfolio Standard during the most recently completed compliance year, 2010. In addition to complying with its Portfolio Standard in 2010 Nevada Power, was short of the portfolio standard in 2009, was able to completely offset the deficit it carried forward to 2010.

Portfolio Credit Pool Balances

The joint pool was established to exchange credits between utilities when needed. Table 22 below shows the status of the joint pool at the end of 2010:

Table 22 Portfolio Credit Loans

Utility	Year	kPCs Deposited		kPCs Withdrawn		Net
		Non-Solar	Solar	Non-Solar	Solar	
Sierra	2007	1,335,892	0	0	0	1,335,892
Nevada Power		0	0	(1,335,892)	0	(1,335,892)
Sierra	2008	880,691	0	0	0	880,691
Nevada Power		0	0	(880,691)	0	(880,691)
Sierra	2009	555,777	21,431	0	0	577,208
Nevada Power		0	0	(555,777)	(21,431)	(577,208)
Sierra	2010	481,660	13,508	0	0	495,168
Nevada Power		48,140	86,033	0	0	134,173
Net deposits /(withdrawals) by Utility 2007-2010						
Sierra		3,254,020	34,939	0	0	3,288,959
Nevada Power		48,140	86,033	(2,772,360)	(21,431)	(2,659,618)

Compliance Item: Docket Number 10-04002

In 2010 Nevada Power was ordered to invest between $150,000 and $192,500 in one or more photovoltaic facilities of 25-50 kilowatts located on the premises (public building or public school) of a retail customer (preferably a Title I school) within its service territory, implement the Green Power curriculum (preferably at that same school) through the Desert Research Institute and complete the installation by December 31, 2011.

In consultation with the PUCN staff and the Clark County School District Nevada Power has selected John C. Fremont Middle School in Las Vegas as the school to receive the photovoltaic facilities. The Request for Proposal will be issued on April 20, 2011and will require bids for installation of the system at a minimum of 25 kW with increments of 5 kW to a maximum of 50 kW. The completed size of the system will be within 25 – 50 kW and within the budget parameters ($150,000 – $192,500). Contract award is scheduled for May 21, 2011. Construction must be completed by July 31, 2011.The company will implement the Green Power curriculum through the Desert Research Institute at the same school.

6.10. Compliance Attestations

4. If, to comply with its portfolio standard during the most recently completed compliance year, the provider acquired any kilowatt-hours from a renewable energy system that is not owned, operated or controlled by the provider, the annual report must include an attestation from the owner or operator of the renewable energy system that the energy represented by those kilowatt-hours:

(a) Has not been and will not be sold or otherwise exchanged for compensation or used for credit in any other state or jurisdiction; and

(b) Has not been and will not be included within a blended energy product certified to include a fixed percentage of renewable energy in any other state or jurisdiction.

(Added to NAC by Pub. Utilities Comm'n by R144-01, eff. 5-31-2002; A by R167-05, 2-23-2006; R064-10, 10-15-2010)

All attestations are included in the Appendix to this report (p.51).

6.11. Projected Portfolio Standard Requirements and Supplies

Table 23 NV Energy Requirements and Supplies

NV Energy		Actual 2010	2011	2012	2013	2014	2015
RPS %							
Retail Sales (MWhs)		28,174,525	28,336,305	28,594,789	28,623,248	29,015,609	29,256,620
Minimum Solar RPS %		12.00%	15.00%	15.00%	18.00%	18.00%	20.00%
Total Portfolio Credit Requirement		3,380,943	4,250,446	4,289,218	5,152,185	5,222,810	5,851,324
Non-Technology Specific PC Requirement		3,211,895	4,037,923	4,074,757	4,894,575	4,961,669	5,558,758
Solar Specific PC Requirement		169,048	212,522	214,461	257,609	261,140	292,566
DSM Allowance (25%)		845,236	1,062,611	1,072,305	1,288,046	1,305,702	1,462,831
Geothermal							
Operating:							
Beowawe		108,171	122,800	122,800	122,800	122,800	122,800
Beowawe SU		16,614	included above				
Brady (QF)		75,697	65,400	65,400	65,400	65,400	65,400
Brady SU	a,	46,403	54,000	54,000	54,000	54,000	Current PPA Ends
Desert Peak Geothermal Project No. 2		110,751	132,400	132,400	132,400	132,400	132,400
Desert Peak 2 SU		26,742	included above				
Faulkner 1		267,454	363,700	363,700	363,700	363,700	363,700
Faulkner 1 SU		79,237	included above				
Galena 2		79,778	89,800	89,800	89,800	89,800	89,800
Galena 2 SU		10,670	included above				
Galena 3		179,067	193,200	193,200	193,200	193,200	193,200
Galena 3 SU		47,154	included above				
Homestretch (new)		2,033	12,700	12,700	12,700	12,700	12,700
Homestretch (new) SU		1,919	included above				
Homestretch 1 (QF)		1,538					
Homestretch 2 (QF)		1,155					
Richard Burdette		164,582	208,000	208,000	208,000	208,000	208,000
Richard Burdette SU		32,320	included above				
Salt Wells		112,675	142,800	142,800	142,800	142,800	142,800
Salt Wells SU		37,189	included above				
San Emidio (Amor 2) (QF) USG NV LLC		21,665	25,600	25,600	25,600	25,600	25,600
Soda Lake I & II (QF)		68,766	81,400	81,400	81,400	81,400	81,400
Steamboat Hills (QF)		78,274	100,000	100,000	100,000	100,000	100,000
Steamboat Hills SU	a.	19,947	8,400	8,400	8,400	8,400	Current PPA Ends
Steamboat IA (QF)		9,806	14,000	14,000	14,000	14,000	14,000
Steamboat IA SU	a.	1,571	1,500	1,500	1,500	1,500	Current PPA Ends
Steamboat II (QF)		105,747	111,400	111,400	111,400	111,400	111,400
Steamboat II SU	a.	43,658	45,000	45,000	45,000	45,000	Current PPA Ends
Steamboat III (QF)		111,281	118,000	118,000	118,000	118,000	118,000
Steamboat III SU	a.	42,030	43,500	43,500	43,500	43,500	Current PPA Ends
Stillwater II		133,137	227,760	227,760	227,760	227,760	227,760
Stillwater II SU		85,323	included above				
Misc. One-Time Purchases:							
Homestretch 1, 2, & 3 2010 SU		1,915					
Homestretch 1, 2, & 3 2009 SU		3,572					
Homestretch 3 2010 Net		65					
Prior Year Adjustments: 2009 Salt Wells & Stillwater SU		1,599					
Commissioning:							
Jersey Valley, ORNI 15 LLC		776	125,730	125,730	125,730	125,730	125,730
Jersey Valley, SU		297	included above				
Approved in Development:							
Carson Lake, ORNI 16 LLC, Net & SU		0	0	0	0	126,000	126,000
Clayton Valley, Clayton Valley 1, LLC Net & SU		0	0	0	0	141,800	330,000
Hot Sulphur Springs 2, ORNI 42 LLC Net & SU		0	0	0	97,600	168,500	168,500
McGinness Hills, ORNI 39 LLC Net & SU		0	0	0	300,000	300,000	300,000
Pending Approval:							
Dixie Meadows, ORNI 32 LLC Net & SU		0	0	0	0	157,500	315,000
		2,130,578	2,287,090	2,287,090	2,684,690	3,180,890	3,374,190

Solar		2010	2011	2012	2013	2014	2015
Operating:							
SunPower - LV Water District (PV) :							
> Fort Apache		1,682	1,430	1,430	1,430	1,430	1,430
> Grand Canyon		1,611	1,360	1,360	1,360	1,360	1,360
> Luce		2,706	2,250	2,250	2,250	2,250	2,250
> Ronzone		4,068	3,400	3,400	3,400	3,400	3,400
> Spring Mountain		2,717	2,280	2,280	2,280	2,280	2,280
> Springs Preserve		2,122	1,780	1,780	1,780	1,780	1,780
Nellis AFB Solar Star (PV)		78,270	73,000	73,000	73,000	73,000	73,000
Nevada Solar One (NPC)		91,006	80,100	80,100	80,100	80,100	80,100
Nevada Solar One (NPC SU)		11,483					
Nevada Solar One (SPPC)		42,807	37,700	37,700	37,700	37,700	37,700
Nevada Solar One (SPPC SU)		5,404					
Procaps Laboratory (PV)		655	730	730	730	730	730
PCL Covered Parking	a.	2,549	2,400	Current PPA Ends			
Misc. Pre-2010 Purchases per Q1 '10 Offer		2,461					
Approved in Development:							
Searchlight I Solar, American Capital Energy		0	0	44,000	44,000	44,000	44,000
RV Apex Solar, Fotowatio Nevada Solar, LLC		0	0	28,400	56,800	56,800	56,800
Silver State Solar, Silver State Solar, LLC (NextLight)		0	0	115,300	132,000	132,000	132,000
Tonopah Solar (Crescent Dunes), SolarReserve, LLC		0	0	0	0	0	529,000
Pending Approval:							
FRV Spectrum, Net & SU		0	0	6,300	75,000	75,000	75,000
Mountain View Solar, NextEra Net & SU		0	0	0	27,000	53,900	53,900
Stillwater 2 Solar		0	0	84,096	84,096	84,096	84,096
City of North Las Vegas - Water Reclamation Facility		0	0	1,110	5,960	5,960	5,960
Shadow Creek Golf Course Facility		0	0	660	3,520	3,520	3,520
Amonix Pecos Facility		0	0	510	2,720	2,720	2,720
Utility Developed:							
Southern NVE PV 15 MW		0	0	73,000	73,000	73,000	73,000
		249,541	206,430	557,406	708,126	735,026	1,264,026
Biomass/Biogas							
Operating:							
State of Nevada, Dept. of Corrections		3	out-of-service				
State of Nevada, Dept. of Corrections SU		3,816	out-of-service				
City of Sparks/TMWW		0					
Sierra Pacific Industries		44,602					
Sierra Pacific Industries SU		0					
Approved in Development:							
CC Landfill Energy, Energenic Net & SU		0	5,000	72,100	72,100	72,100	72,100
Lockwood, WM Renewable Energy Net & SU		0	0	17,300	25,700	25,700	25,700
Hydros		48,421	5,000	89,400	97,800	97,800	97,800
Operating:							
Fleish		15,633	15,000	15,000	15,000	15,000	15,000
Hooper (QF)		1,707	2,500	2,500	2,500	2,500	2,500
TCID New Lahontan (QF)		11,130	16,000	16,000	16,000	16,000	16,000
Verdi		16,160	13,000	13,000	13,000	13,000	13,000
Washoe		12,966	11,300	11,300	11,300	11,300	11,300
		57,596	57,800	57,800	57,800	57,800	57,800
Waste Heat							
Operating:							
Goodsprings (NVE Owned)		4,857	45,200	45,200	45,200	45,200	45,200
Goodsprings (NVE Owned) SU		656	6,800	6,800	6,800	6,800	6,800
Wind		5,513	52,000	52,000	52,000	52,000	52,000
Operating:							
Misc. Pre-2010 Purchases per Q1 '10 Offer		4	0	0	0	0	0
Approved in Development:							
Spring Valley Project, Spring Valley Wind		0	0	0	157,500	315,000	315,000
China Mountain		0	0	0	0	0	585,460
		4	0	0	157,500	315,000	900,460

NV Energy
Portfolio Standard Annual Report, Compliance Year 2010

Short-Term Purchase Agreements		2010	2011	2012	2013	2014	2015
PacifiCorp (Geothermal)	a. b.	258,610	260,064	306,432	0	0	0
(Wind)	a. b.	592,356	529,416	623,808	0	0	0
(Small Hydro)	a. b.	145,853	139,320	164,160	0	0	0
Idaho Power (Small Hydro)	a. b.	188,336	275,000	73,000	0	0	0
		1,185,155	1,203,800	1,167,400	0	0	0
NVE Owned Systems							
Solar - North		186	338	338	338	338	338
Solar - South		332	531	531	531	531	531
Non-Solar - North		1	5	5	5	5	5
Non-Solar - South		0	0	0	0	0	0
		519	875	875	875	875	875
Net Metered (RenewableGenerations)							
Solar - North		10,305	25,540	49,219	66,865	86,099	107,065
Solar - South		8,225	23,461	47,139	64,785	84,019	104,985
Non-Solar - North		30	3,378	7,794	10,622	11,588	12,553
Non-Solar - South		62	131	269	407	545	683
		18,622	52,511	104,420	142,679	182,251	225,286
DSM							
Prior Year Carry Forward		558,389	1,657,586	1,657,586	1,657,586	1,657,586	1,657,586
Current Year Actual		1,944,433	1,062,611	1,072,305	1,288,046	1,305,702	1,462,831
Total DSM		2,502,822	2,720,197	2,729,891	2,945,632	2,963,288	3,120,417
DSM Cap (25%)		845,236	1,062,611	1,072,305	1,288,046	1,305,702	1,462,831
Current Year DSM RPS Allowance		845,236	1,062,611	1,072,305	1,288,046	1,305,702	1,462,831
Current Year DSM Surplus to be Carried Forward		1,657,586	1,657,586	1,657,586	1,657,586	1,657,586	1,657,586
NON-SOLAR TECHNOLGY CREDIT SUMMARY							
Non-Solar PCs:							
Prior Year Carry Forward Credits		0	529,800	1,055,695	1,607,485	954,470	906,813
Geothermal		2,130,578	2,287,090	2,287,090	2,684,690	3,180,890	3,374,190
Biomass/Methane		48,421	5,000	89,400	97,800	97,800	97,800
Hydro		57,596	57,800	57,800	57,800	57,800	57,800
Waste Heat Recovery		5,513	52,000	52,000	52,000	52,000	52,000
Wind		4	0	0	157,500	315,000	900,460
Short-Term Agreements		1,185,155	1,203,800	1,167,400	0	0	0
Company Owned Small Generation		1	5	5	5	5	5
Net Metered (RenewablesGenerations)		92	3,510	8,063	11,029	12,133	13,236
Current Year DSM RPS Allowance		845,236	1,062,611	1,072,305	1,288,046	1,305,702	1,462,831
Credits Earmarked for California RPS Compliance		(99,499)	(107,998)	(107,515)	(107,310)	(107,318)	(107,521)
Total Non-Solar PCs		4,173,097	5,093,618	5,682,242	5,849,045	5,868,482	6,757,614
Non-Technology Specific Renewable Requirement		3,211,895	4,037,923	4,074,757	4,894,575	4,961,669	5,558,758
Prior Year Portfolio Credit Deficit		431,402	0	0	0	0	0
Total Portfolio Credit Requirement		3,643,297	4,037,923	4,074,757	4,894,575	4,961,669	5,558,758
Surplus / (Open Position)		529,800	1,055,695	1,607,485	954,470	906,813	1,198,856
SOLAR SUMMARY							
Prior Year Carry Forward Credits		0	99,541	143,319	583,491	1,166,527	1,811,401
Solar PCs		249,541	206,430	557,406	708,126	735,026	1,264,026
Company Owned Solar Generation		518	869	869	869	869	869
Net Metered (Solar Generations)		18,530	49,001	96,358	131,650	170,118	212,049
Solar PCs Applied to Non-Solar Requirement		0	0	0	0	0	0
Total Solar PCs		268,589	355,841	797,952	1,424,137	2,072,541	3,288,345
Current Year Solar Requirement:		169,048	212,522	214,461	257,609	261,140	292,566
Prior Year Portfolio Credit Deficit		0	0	0	0	0	0
Total Portfolio Credit Requirement		169,048	212,522	214,461	257,609	261,140	292,566
Surplus / (Open Position)		99,541	143,319	583,491	1,166,527	1,811,401	2,995,779

NV Energy
Portfolio Standard Annual Report, Compliance Year 2010

OVERALL RPS SUMMARY	2010	2011	2012	2013	2014	2015
Total Credits	4,441,686	5,449,459	6,480,194	7,273,182	7,941,023	10,045,959
Total Requirement	3,812,345	4,250,446	4,289,218	5,152,185	5,222,810	5,851,324
Net Surplus / Open Position	629,341	1,199,014	2,190,976	2,120,997	2,718,213	4,194,635
Non-Solar Credit Bank :						
Beginning Balance	0	99,541	143,319	583,491	1,166,527	1,811,401
Current Year Surplus/Open Position	529,800	1,055,695	1,607,485	954,470	906,813	1,198,856
Ending Balance	529,800	1,055,695	1,607,485	954,470	906,813	1,198,856
SOLAR						
Beginning Balance	0	99,541	143,319	583,491	1,166,527	1,811,401
Current Year Surplus/Open Position	99,541	143,319	583,491	1,166,527	1,811,401	2,995,779
Ending Balance	99,541	143,319	583,491	1,166,527	1,811,401	2,995,779

Notes:

The 2011 to 2015 RPS credit requirement and credit supply forecasts are forward looking estimates; the actual credit requirement, credit supply, and the timing of new projects may vary.

(a.) The forecasted credit supply reflects the current PPA expiration date; expiration does not imply intent: expiring agreements could be extended or modified

(b.) December energy deliveries totaling 161,940 MWh (kPCs) under the Pacificorp & Idaho Power short-term contracts are provisional at time of filing; WREGIS certification occurs approximately 100 days after the energy is reported. These provisional credits will not be certified until early April 2011.

SU = Station Usage, energy (credits) consumed by the Generating Facility.

NV Energy
Portfolio Standard Annual Report, Compliance Year 2010

Table 24 Nevada Power Requirements and Supplies

Nevada Power NV Energy South		Actual 2010	2011	2012	2013	2014	2015
RPS %							
Retail Sales (MWhs)		20,642,262	20,737,728	20,873,497	20,868,148	21,232,629	21,450,145
Minimum Solar RPS %		12.00%	15.00%	15.00%	18.00%	18.00%	20.00%
Current Total Portfolio Credit Requirement		2,477,071	3,110,659	3,131,025	3,756,267	3,821,873	4,290,029
Current Year Non-Technology Specific PC Requirement		2,353,217	2,955,126	2,974,473	3,568,453	3,630,780	4,075,528
Solar Specific PC Requirement		123,854	155,533	156,551	187,813	191,094	214,501
DSM Allowance (25%)		619,268	777,665	782,756	939,067	955,468	1,072,507
Geothermal							
Operating:							
Desert Peak Geothermal Project No. 2		110,751	132,400	132,400	132,400	132,400	132,400
Desert Peak 2 SU		26,742	included above				
Faulkner 1		267,454	363,700	363,700	363,700	363,700	363,700
Faulkner 1 SU		79,237	included above				
Galena 2		79,778	89,800	89,800	89,800	89,800	89,800
Galena 2 SU		10,670	included above				
Salt Wells		112,675	142,800	142,800	142,800	142,800	142,800
Salt Wells SU		37,189	included above				
Steamboat IA (QF)	b.	9,806	14,000	14,000	14,000	14,000	14,000
Steamboat IA SU	a. b.	1,571	1,500	1,500	1,500	1,500	Current PPA Ends
Stillwater II		133,137	227,760	227,760	227,760	227,760	227,760
Stillwater II SU		85,323	included above				
Misc. Purchases:							
Homestretch 1, 2, & 3 2010 SU		1,915	0	0	0	0	0
Homestretch 1, 2, & 3 2009 SU		3,572	0	0	0	0	0
Homestretch 3 2010 Net		65	0	0	0	0	0
Prior Year Adj: 2009 Salt Wells & Stillwater SU		1,599	0	0	0	0	0
2009 Ormat Expansion PC Transfer Agreement	c.	60,200	60,200	60,200	60,200	51,361	19,710
Commissioning:							
Jersey Valley, ORNI 15 LLC		776	125,730	125,730	125,730	125,730	125,730
Jersey Valley, SU		297	included above				
Approved in Development:							
Carson Lake, ORNI 16 LLC Net & SU		0	0	0	0	126,000	126,000
Clayton Valley, Clayton Valley 1, LLC Net & SU		0	0	0	0	141,800	330,000
Hot Sulphur Springs 2, ORNI 42 LLC Net & SU		0	0	0	97,600	168,500	168,500
McGinness Hills, ORNI 39 LLC Net & SU		0	0	0	300,000	300,000	300,000
Pending Approval:							
Dixie Meadows, ORNI 32 LLC Net & SU		0	0	0	0	157,500	315,000
		1,022,757	1,157,890	1,157,890	1,555,490	2,042,851	2,355,400

NV Energy
Portfolio Standard Annual Report, Compliance Year 2010

Solar		2010	2011	2012	2013	2014	2015
Operating:							
SunPower - LV Water District (PV) :							
> Fort Apache		1,682	1,430	1,430	1,430	1,430	1,430
> Grand Canyon		1,611	1,360	1,360	1,360	1,360	1,360
> Luce		2,706	2,250	2,250	2,250	2,250	2,250
> Ronzone		4,068	3,400	3,400	3,400	3,400	3,400
> Spring Mountain		2,717	2,280	2,280	2,280	2,280	2,280
> Springs Preserve		2,122	1,780	1,780	1,780	1,780	1,780
Nellis AFB Solar Star (PV)		78,270	73,000	73,000	73,000	73,000	73,000
Nevada Solar One (NPC) (Thermal)		91,006	80,100	80,100	80,100	80,100	80,100
Nevada Solar One NPC (SU)		11,483					
Procaps Laboratory (PV)		655	730	730	730	730	730
PCL Covered Parking	a.	2,549	2,400	Current PPA Ends			
Misc. Pre-2010 Purchases per Q1 '10 Offer		2,461	0	0	0	0	0
Approved in Development:							
Searchlight I Solar, American Capital Energy		0	0	44,000	44,000	44,000	44,000
RV Apex Solar, Fotowatio Nevada Solar, LLC		0	0	28,400	56,800	56,800	56,800
Silver State Solar, Silver State Solar, LLC (NextLight)		0	0	115,300	132,000	132,000	132,000
Tonopah Solar (Crescent Dunes), SolarReserve, LLC		0	0	0	0	0	529,000
Pending Approval:							
FRV Spectrum, Net & SU		0	0	6,300	75,000	75,000	75,000
Mountain View Solar, NextEra Net & SU		0	0	0	27,000	53,900	53,900
Stillwater 2 Solar		0	0	84,096	84,096	84,096	84,096
City of North Las Vegas - Water Reclamation Facility		0	0	1,110	5,960	5,960	5,960
Shadow Creek Golf Course Facility		0	0	660	3,520	3,520	3,520
Amonix Pecos Facility		0	0	510	2,720	2,720	2,720
Utility Developed:							
Southern NVE PV		0	0	73,000	73,000	73,000	73,000
		201,330	168,730	519,706	670,426	697,326	1,226,326
Biomass/Biogas							
Approved in Development:							
CC Landfill Energy, Energenic Net & SU		0	5,000	72,100	72,100	72,100	72,100
Lockwood, WM Renewable Energy Net & SU		0	0	17,300	25,700	25,700	25,700
		0	5,000	89,400	97,800	97,800	97,800
Waste Heat							
Operating:							
Goodsprings (NVE Owned)		4,857	45,200	45,200	45,200	45,200	45,200
Goodsprings (NVE Owned) SU		656	6,800	6,800	6,800	6,800	6,800
		5,513	52,000	52,000	52,000	52,000	52,000
Wind							
Operating:							
Misc. Pre-2010 Purchases per Q1 '10 Offer		4	0	0	0	0	0
Approved in Development:							
Spring Valley Project, Spring Valley Wind		0	0	0	157,500	315,000	315,000
China Mountain		0	0	0	0	0	585,460
		4	0	0	157,500	315,000	900,460
Short-Term							
PacifiCorp (Geothermal)	a. d.	258,610	260,064	306,432	0	0	0
(Wind)	a. d.	592,356	529,416	623,808	0	0	0
(Small Hydro)	a. d.	145,853	139,320	164,160	0	0	0
Idaho Power (Small Hydro)	a. d.	188,336	275,000	73,000	0	0	0
		1,185,155	1,203,800	1,167,400	0	0	0
NVE Owned Systems							
Solar - South		332	531	531	531	531	531
Non-Solar - South		0	0	0	0	0	0
		332	531	531	531	531	531
Net Metered (RenewableGenerations)							
Solar - South		8,225	23,461	47,139	64,785	84,019	104,985
Non-Solar - South		62	131	269	407	545	683
		8,287	23,592	47,408	65,192	84,564	105,668

NV Energy
Portfolio Standard Annual Report, Compliance Year 2010

DSM	2010	2011	2012	2013	2014	2015
Prior Year Carry Forward	422,556	1,190,586	1,190,586	1,190,586	1,190,586	1,190,586
Current Year Actual	1,387,298	777,665	782,756	939,067	955,468	1,072,507
Total DSM	1,809,854	1,968,251	1,973,342	2,129,653	2,146,054	2,263,093
DSM Cap (25%)	619,268	777,665	782,756	939,067	955,468	1,072,507
Current Year DSM RPS Allowance	619,268	777,665	782,756	939,067	955,468	1,072,507
Current Year DSM Surplus to be Carried Forward	1,190,586	1,190,586	1,190,586	1,190,586	1,190,586	1,190,586
NON-SOLAR TECHNOLGY CREDIT SUMMARY						
Non-Solar PCs:						
Prior Year Suprlus Carry Forward Credits	0	48,140	289,499	564,741	0	0
Geothermal	1,022,757	1,157,890	1,157,890	1,555,490	2,042,851	2,355,400
Biomass/Methane	0	5,000	89,400	97,800	97,800	97,800
Hydro	0	0	0	0	0	0
Waste Heat Recovery	5,513	52,000	52,000	52,000	52,000	52,000
Wind	4	0	0	157,500	315,000	900,460
Short-Term Agreements	1,185,155	1,203,800	1,167,400	0	0	0
Company Owned Generation	0	0	0	0	0	0
Net Metered (RenewablesGenerations)	62	131	269	407	545	683
Current Year DSM RPS Allowance	619,268	777,665	782,756	939,067	955,468	1,072,507
Total Non-Solar PCs	2,832,759	3,244,625	3,539,214	3,367,005	3,463,664	4,478,850
Non-Technology Specific Renewable Requirement	2,353,217	2,955,126	2,974,473	3,568,453	3,630,780	4,075,528
Prior Year Portfolio Credit Deficit	431,402	0	0	0	201,449	368,564
Total Portfolio Credit Requirement	2,784,619	2,955,126	2,974,473	3,568,453	3,832,228	4,444,091
Surplus / (Open Position)	48,140	289,499	564,741	(201,449)	(368,564)	34,759
SOLAR SUMMARY						
Prior Year Carry Forward Credits	0	86,033	123,222	534,047	1,081,976	1,672,759
Solar PCs	201,330	168,730	519,706	670,426	697,326	1,226,326
Company Owned Solar Generation	332	531	531	531	531	531
Net Metered (Solar Generations)	8,225	23,461	47,139	64,785	84,019	104,985
Solar PCs Applied to Non-Solar Requirement	0	0	0	0	0	0
Total Solar PCs	209,887	278,755	690,598	1,269,790	1,863,853	3,004,602
Solar-Technology Specific Renewable Requirement	123,854	155,533	156,551	187,813	191,094	214,501
Prior Year Portfolio Credit Deficit	0	0	0	0	0	0
Total Portfolio Credit Requirement	123,854	155,533	156,551	187,813	191,094	214,501
Surplus / (Open Position)	86,033	123,222	534,047	1,081,976	1,672,759	2,790,100
OVERALL RPS SUMMARY						
Total Credits NPC	3,042,646	3,523,380	4,229,813	4,636,794	5,327,517	7,483,452
Total Requirement NPC	2,908,473	3,110,659	3,131,025	3,756,267	4,023,322	4,658,593
Net Surplus / Open Position	134,173	412,721	1,098,788	880,528	1,304,196	2,824,859
Non-Solar Credit Bank :						
Beginning Balance	0	48,140	289,499	564,741	0	0
Current Year Surplus/Open Position	48,140	289,499	564,741	(201,449)	(368,564)	34,759
Ending Balance	48,140	289,499	564,741	(201,449)	(368,564)	34,759
SOLAR						
Beginning Balance	0	86,033	123,222	534,047	1,081,976	1,672,759
Current Year Surplus/Open Position	86,033	123,222	534,047	1,081,976	1,672,759	2,790,100
Ending Balance	86,033	123,222	534,047	1,081,976	1,672,759	2,790,100

Notes:

The 2011 to 2015 RPS credit requirement and credit supply forecasts are forw ard looking estimates; the actual credit requirement, credit supply, and the timing of new projects may vary.

(a.) The forecasted credit supply reflects the current PPA expiration date; expiration does not imply intent: expiring agreements could be extended or modified

(b.) per PUCN order 08-02003 all PCs from Steamboats 1 & 1A w ere transferred NPC

(c.) per PUCN orders 09-09018 (SPPC) & 09-08020 (NPC) credits stemming from the expansion of certain Ormat facilities w ould be sold by SPPC to NPC

(d.) December energy deliveries totaling 161,940 MWh (kPCs) under the Pacificorp & Idaho Pow er short-term contracts are provisional at time of filing; WREGIS certification occurs approximately 100 days after the energy is reported. These provisional credits w ill not be certified until early April 2011.

SU = Station Usage, energy (credits) consumed by the Generating Facility.

Table 25 Sierra Requirements and Supplies

Sierra Pacific Power NV Energy North		Actual 2010	2011	2012	2013	2014	2015
RPS %							
Retail Sales (MWhs)		7,532,263	7,598,577	7,721,293	7,755,100	7,782,980	7,806,475
Minimum Solar RPS %		12.00%	15.00%	15.00%	18.00%	18.00%	20.00%
Total Portfolio Credit Requirement		903,872	1,139,787	1,158,194	1,395,918	1,400,936	1,561,295
Non-Technology Specific PC Requirement		858,678	1,082,797	1,100,284	1,326,122	1,330,890	1,483,230
Solar Specific PC Requirement		45,194	56,989	57,910	69,796	70,047	78,065
DSM Allowance (25%)		225,968	284,947	289,548	348,979	350,234	390,324
Geothermal							
Operating:	O	Operating:	Operating:	Operating:	Operating:	Operating:	Operating:
Beowawe		108,171	122,800	122,800	122,800	122,800	122,800
Beowawe SU		16,614	included above				
Brady (QF)		75,697	65,400	65,400	65,400	65,400	65,400
Brady SU	a.	46,403	54,000	54,000	54,000	54,000	Current PPA Ends
Galena 3		179,067	193,200	193,200	193,200	193,200	193,200
Galena 3 SU		47,154	included above				
Homestretch (new)		2,033	12,700	12,700	12,700	12,700	12,700
Homestretch (new) SU		1,919	included above				
Homestretch 1 (QF)		1,538					
Homestretch 2 (QF)		1,155					
Richard Burdette		164,582	208,000	208,000	208,000	208,000	208,000
Richard Burdette SU		32,320	included above				
San Emidio (Amor 2) (QF)		21,665	25,600	25,600	25,600	25,600	25,600
Soda Lake I & II (QF)		68,766	81,400	81,400	81,400	81,400	81,400
Steamboat Hills (QF)		78,274	100,000	100,000	100,000	100,000	100,000
Steamboat Hills SU	a.	19,947	8,400	8,400	8,400	8,400	Current PPA Ends
Steamboat II (QF)		105,747	111,400	111,400	111,400	111,400	111,400
Steamboat II SU	a.	43,658	45,000	45,000	45,000	45,000	Current PPA Ends
Steamboat III (QF)		111,281	118,000	118,000	118,000	118,000	118,000
Steamboat III SU	a.	42,030	43,500	43,500	43,500	43,500	Current PPA Ends
2009 Ormat Expansion PC Transfer Agreement	b.	(60,200)	(60,200)	(60,200)	(60,200)	(51,361)	(19,710)
Solar		1,107,821	1,129,200	1,129,200	1,129,200	1,138,039	1,018,790
Operating:							
Nevada Solar One (SPPC) (Thermal)		42,807	37,700	37,700	37,700	37,700	37,700
Nevada Solar One (SPPC) SU		5,404	0	0	0	0	0
		48,211	37,700	37,700	37,700	37,700	37,700
Biomass/Biogas							
Operating:							
State of Nevada, Dept. of Corrections		3	out-of-service	0	0	0	0
State of Nevada, Dept. of Corrections SU		3,816	out-of-service	0	0	0	0
City of Sparks/TMWW		0	0	0	0	0	0
Sierra Pacific Industries (QF)		44,602	0	0	0	0	0
Sierra Pacific Industries SU		0	0	0	0	0	0
Hydro		48,421	0	0	0	0	0
Operating:							
Fleish		15,633	15,000	15,000	15,000	15,000	15,000
Hooper (QF)		1,707	2,500	2,500	2,500	2,500	2,500
TCID New Lahontan (QF)		11,130	16,000	16,000	16,000	16,000	16,000
Verdi		16,160	13,000	13,000	13,000	13,000	13,000
Washoe		12,966	11,300	11,300	11,300	11,300	11,300
		57,596	57,800	57,800	57,800	57,800	57,800
NVE Owned Systems							
Solar - North		186	338	338	338	338	338
Non-Solar - North		1	5	5	5	5	5
		187	343	343	343	343	343
Net Metered (RenewableGenerations)							
Solar - North		10,305	25,540	49,219	66,865	86,099	107,065
Non-Solar - North		30	3,378	7,794	10,622	11,588	12,553
		10,335	28,919	57,012	77,487	97,687	119,618

NV Energy
Portfolio Standard Annual Report, Compliance Year 2010

DSM	2010	2011	2012	2013	2014	2015
Prior Year Carry Forward	135,833	467,000	467,000	467,000	467,000	467,000
Current Year Actual	557,135	284,947	289,548	348,979	350,234	390,324
Total DSM	692,968	751,947	756,548	815,979	817,234	857,324
DSM Cap (25%)	225,968	284,947	289,548	348,979	350,234	390,324
Current Year DSM RPS Allowance	225,968	284,947	289,548	348,979	350,234	390,324
Current Year DSM Surplus to be Carried Forward	467,000	467,000	467,000	467,000	467,000	467,000
NON-SOLAR TECHNOLGY CREDIT SUMMARY						
Non-Solar PCs:						
Prior Year Surplus Carry Forward Credits	0	481,660	766,196	1,042,744	1,155,919	1,275,377
Geothermal	1,107,821	1,129,200	1,129,200	1,129,200	1,138,039	1,018,790
Biomass/Methane	48,421	0	0	0	0	0
Hydro	57,596	57,800	57,800	57,800	57,800	57,800
Waste Heat Recovery	0	0	0	0	0	0
Wind	0	0	0	0	0	0
Short-Term Agreements	0	0	0	0	0	0
Company Owned Generation	1	5	5	5	5	5
Net Metered (RenewablesGenerations)	30	3,378	7,794	10,622	11,588	12,553
Current Year DSM RPS Allowance	225,968	284,947	289,548	348,979	350,234	390,324
Credits Earmarked for California RPS Compliance	(99,499)	(107,998)	(107,515)	(107,310)	(107,318)	(107,521)
Total Non-Solar PCs	1,340,338	1,848,993	2,143,028	2,482,041	2,606,266	2,647,328
Non-Technology Specific Renewable Requirement	858,678	1,082,797	1,100,284	1,326,122	1,330,890	1,483,230
Prior Year Portfolio Credit Deficit	0	0	0	0	0	0
Total Portfolio Credit Requirement	858,678	1,082,797	1,100,284	1,326,122	1,330,890	1,483,230
Surplus / (Open Position)	481,660	766,196	1,042,744	1,155,919	1,275,377	1,164,098
SOLAR SUMMARY						
Prior Year Carry Forward Credits	0	13,508	20,097	49,444	84,551	138,641
Solar PCs	48,211	37,700	37,700	37,700	37,700	37,700
Company Owned Solar Generation	186	338	338	338	338	338
Net Metered (Solar Generations)	10,305	25,540	49,219	66,865	86,099	107,065
Solar PCs Applied to Non-Solar Requirement	0	0	0	0	0	0
Total Solar PCs	58,702	77,086	107,354	154,347	208,688	283,744
Solar-Technology Specific Renewable Requirement	45,194	56,989	57,910	69,796	70,047	78,065
Prior Year Portfolio Credit Deficit	0	0	0	0	0	0
Total Solar Portfolio Credit Requirement	45,194	56,989	57,910	69,796	70,047	78,065
Surplus / (Open Position)	13,508	20,097	49,444	84,551	138,641	205,679
OVERALL RPS SUMMARY						
Total Credits SPPC	1,399,040	1,926,079	2,250,382	2,636,388	2,814,954	2,931,072
Total Requirement SPPC	903,872	1,139,787	1,158,194	1,395,918	1,400,936	1,561,295
Net Surplus / Open Position	495,168	786,293	1,092,188	1,240,470	1,414,018	1,369,777
Non-Solar Credit Bank :						
Beginning Balance	0	481,660	766,196	1,042,744	1,155,919	1,275,377
Current Year Surplus/Open Position	481,660	766,196	1,042,744	1,155,919	1,275,377	1,164,098
Ending Balance	481,660	766,196	1,042,744	1,155,919	1,275,377	1,164,098
SOLAR						
Beginning Balance	0	13,508	20,097	49,444	84,551	138,641
Current Year Surplus/Open Position	13,508	20,097	49,444	84,551	138,641	205,679
Ending Balance	13,508	20,097	49,444	84,551	138,641	205,679

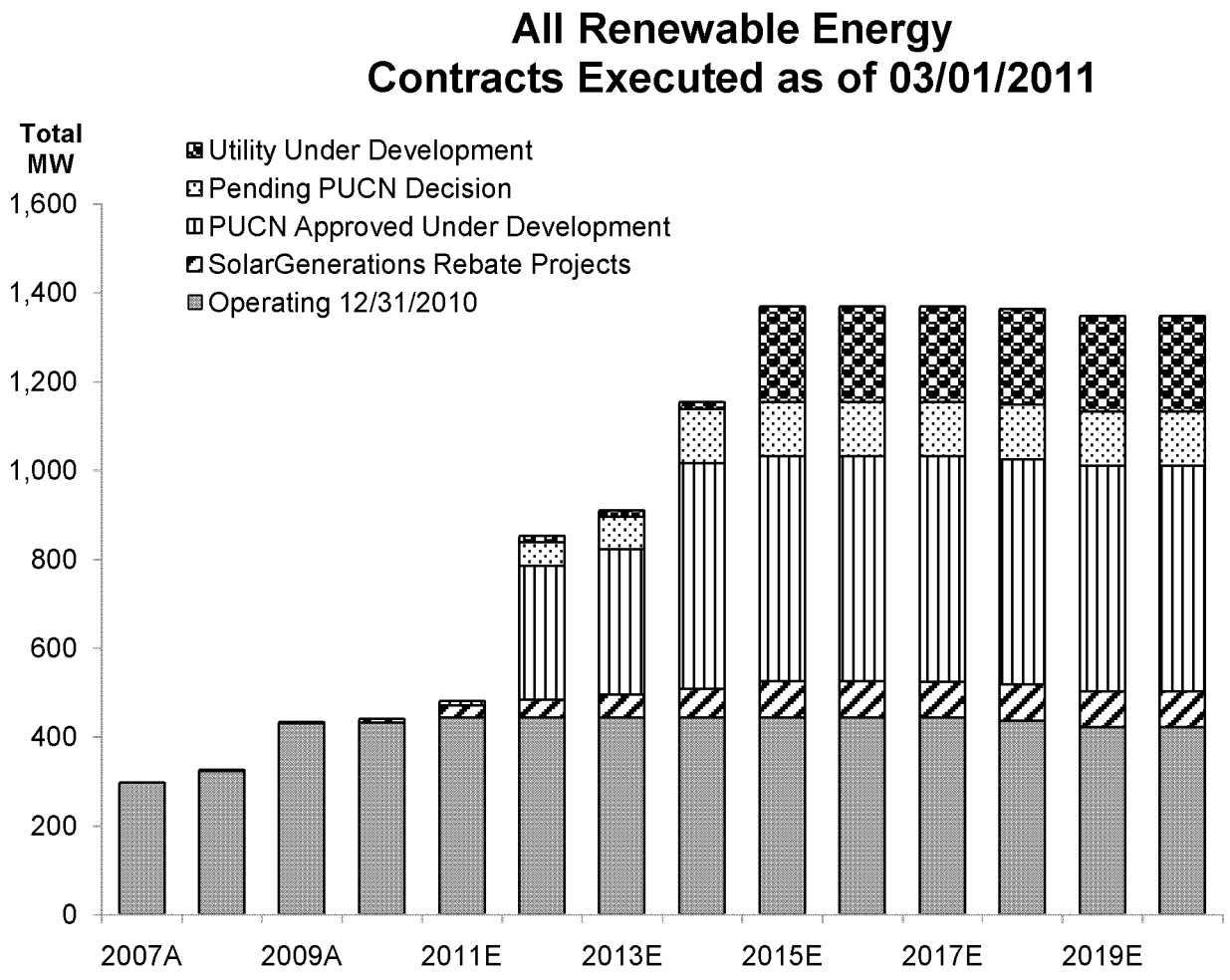
Notes:

The 2011 to 2015 RPS credit requirement and credit supply forecasts are forward looking estimates; the actual credit requirement, credit supply, and the timing of new projects may vary.

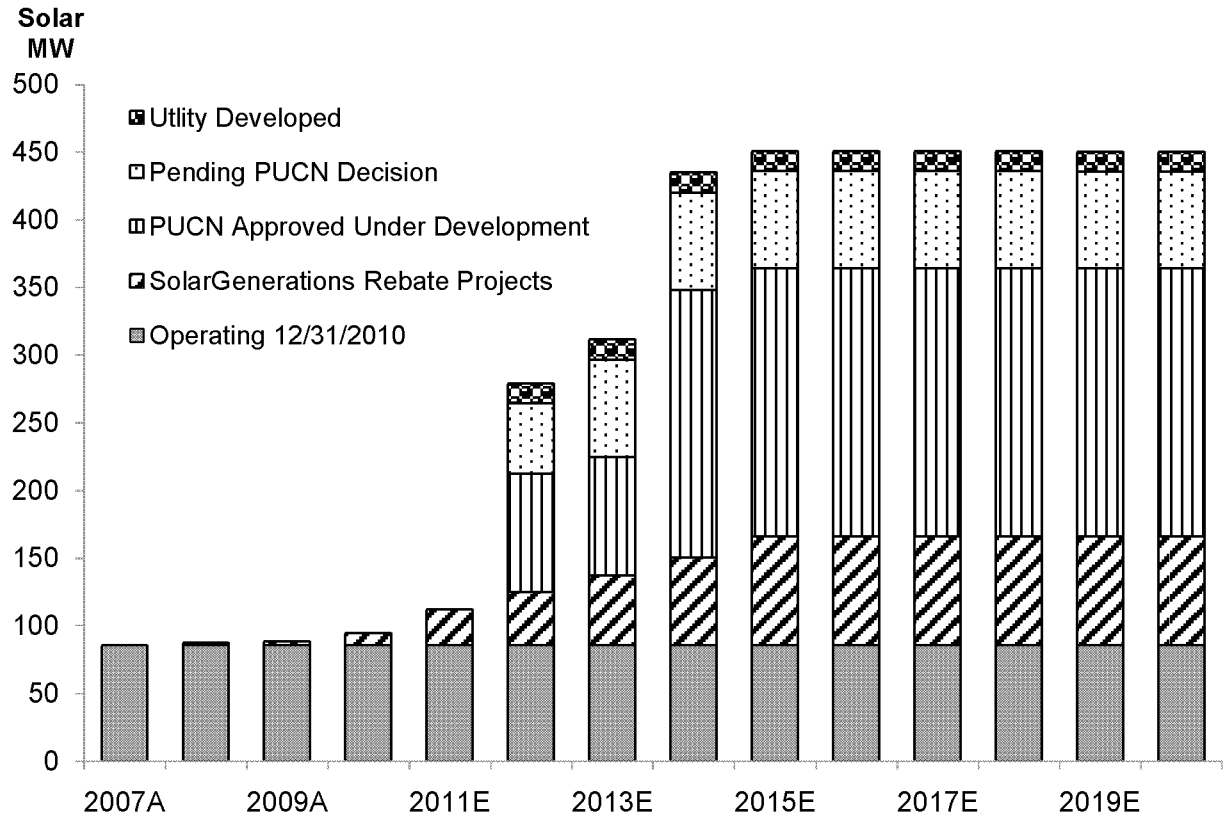
(a.) The forecasted credit supply reflects the current PPA expiration date; expiration does not imply intent: expiring agreements could be extended or modified

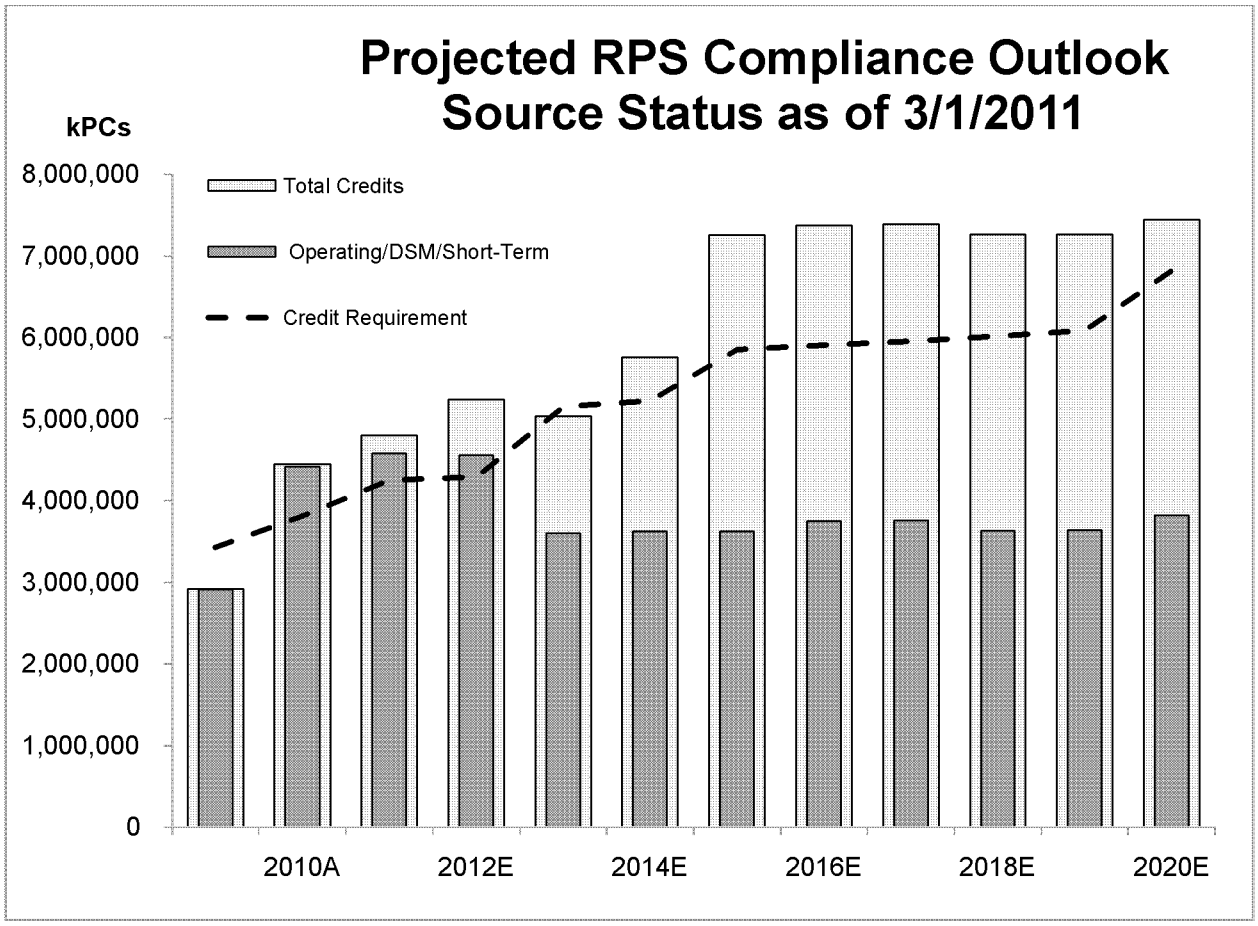
(b.) per PUCN orders 09-09018 (SPPC) & 09-08020 (NPC) credits stemming from the expansion of certain Ormat facilities would be sold by SPPC to NPC

SU = Station Usage, energy (credits) consumed by the Generating Facility


All Renewable Energy
Contracts Executed as of 03/01/2011
Total MW
Utility Under Development
Pending PUCN Decision
PUCN Approved Under Development
SolarGenerations Rebate Projects
Operating 12/31/2010
1,600
1,400
1,200
1,000
800
600
400
200
0
2007A
2009A
2011E
2013E
2015E
2017E
2019E

Solar Renewable Energy Capacity
Based on Contracts Executed as of 03/31/11





Excluding carry-forward credits from prior year.