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BEFORE THE PUBLIC UTILITIES COMMISSION OF NEVADA

Application of NEVADA POWER COMPANY d/b/a NV Energy and SIERRA PACIFIC POWER COMPANY d/b/a NV Energy, seeking approval to add 1,001 MW of renewable power purchase agreements and 100 MW of energy storage capacity, among other items, as part of their joint 2019-2038 integrated resource plan, for the three year Action Plan period 2019-2021, and the Energy Supply Plan period 2019-2021

Docket No. 18-06____

VOLUME 6 OF 18

**NARRATIVE
DEMAND SIDE PLAN**

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NARRATIVE
DEMAND SIDE PLAN

**Nevada Power Company d/b/a NV Energy and
Sierra Pacific Power Company d/b/a NV Energy
2018 Joint Integrated Resource Plan
(2019-2038)
Demand Side Plan**

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**Nevada Power Company and Sierra Pacific Power Company
2018 Joint IRP Demand Side Plan**

Section 1. Overview and Request for Approval

This joint integrated resource plan spans the 20-year period from January 2019 through December 2038. The proposed Demand Side Management Plan (“DSM Plan” or “Demand Side Plan”) focuses on the three-year action plan period, January 2019 through December 2021 (“Action Plan”). The DSM Plan represents an expansion of program activity relative to the previously approved DSM Plans and meets a statewide energy savings target of 1.1 percent on average over the three year action plan period. The incremental investment represented by the proposed DSM Plan has a total resource cost (“TRC”) benefits-to-cost ratio of 2.15 and will bring a net benefit of \$296 million to the communities served by the Companies. The Companies also present a modified TRC that considers non-energy benefits. The non-energy benefits TRC (“NTRC”) ratio for the DSM Plan is 2.42.

Table DSM-1: Statewide Target

Nevada Power Company	2019	2020	2021
Budget	\$49,800,000	\$50,200,000	\$50,600,000
Retail Sales (kWh)	20,272,610,000	20,487,236,000	20,780,182,000
1.1% Target (kWh)	222,998,710	225,359,596	228,582,002
Energy Savings Target (kWh)	266,879,500	258,421,300	260,498,100
% Energy Savings to Retail Sales	1.32%	1.26%	1.25%
Sierra Pacific Power Company	2019	2020	2021
Budget	\$14,800,000	\$15,500,000	\$16,100,000
Retail Sales (kWh)	9,071,001,000	9,338,156,000	9,613,733,000
1.1% Target (kWh)	99,781,011	102,719,716	105,751,063
Energy Savings Target (kWh)	79,530,500	81,697,000	85,963,400
% Energy Savings to Retail Sales	0.88%	0.87%	0.89%
NV Energy Statewide	2019	2020	2021
Budget	\$64,600,000	\$65,700,000	\$66,700,000
Retail Sales (kWh)	29,343,611,000	29,825,392,000	30,393,915,000
1.1% Target (kWh)	322,779,721	328,079,312	334,333,065
Energy Savings Target (kWh)	346,410,000	340,118,300	346,461,500
% Energy Savings to Retail Sales	1.18%	1.14%	1.14%

Overview of the Plan

The DSM Plan is organized in seven sections. Section 1 presents the request for approval of the DSM Plan, as well as the compliance items and directives for which the Companies are requesting the Commission find the Companies in compliance. Section 1 also includes a roadmap to the Commission’s regulations that apply to this DSM Plan. The roadmap indicates the parts of this filing that fulfill the requirements specified by each section of the applicable regulations. Section 2 provides a summary of DSM activities for year 2017 and a summary of DSM performance for prior years. Section 3 provides the program year budgets and targets for 2018. Section 4 presents the DSM Plan for the 2019 - 2021 Action Plan period. Sections 5 through 7 provide the program

Nevada Power Company and Sierra Pacific Power Company 2018 Joint IRP Demand Side Plan

data sheets for each of the proposed programs. The DSM Technical Appendices provide key supporting data including, descriptions of the Company's cost-benefits model, summary spreadsheets used to determine replacement revenues, Measurement and Verification ("M&V") reports and other supporting material.

In compliance with the Commission's direction, concurrent with the filing of this DSM Plan, the Companies have provided to the Commission's Regulatory Operations Staff ("Staff") and the Bureau of Consumer Protection ("BCP") all supporting information and data in executable format upon which it relied to develop cost-benefit calculations ("Workpapers").¹ The Workpapers include all spreadsheets and calculations prepared by the Companies in support of the filing, as well as by any outside M&V contractors and consultants, in executable and manipulative format.

2017 Legislative Changes

In response to new legislation passed through Senate Bill 150 ("SB 150") and Assembly Bill 223 ("AB 223") by the 2017 Nevada Legislature, the Companies are proposing additional programs to:

- Increase annual energy savings to achieve on a joint basis an average of 1.1 percent of the weather normalized retail sales statewide over the three-year action plan period;
- Add measures and programs totaling at least 5 percent of the total annual expenditures that are directed towards low income customers; and
- Achieve plan-level cost-effectiveness.

The Companies are also continuing their implementation strategies, which integrate energy efficiency and demand response programs by customer segment. Nevada Power and Sierra are proposing integrated sets of services designed to maintain a practical budget, optimize energy and demand savings, and increase participation, while using a more personalized and customized approach. The programs have been bundled into the following offerings: 1) Home Services; 2) Business Services; and 3) Outreach and Product Development. Budgets, savings, and cost-effectiveness have been presented at the program level to provide the same level of transparency as in prior year filings.

Requests for Specific Approval - DSM Plan

The Companies request that pursuant to NRS § 704.751 and NAC § 704.934(4), the Commission approve the DSM Plans as part of the Companies' Action Plan. The Companies are requesting specific acceptance of the budgets and energy savings for the DSM Plans for the 2019-2021 Action Plan period as presented in Tables DSM-2A through DSM-2C and DSM-12A through 12C.

Pursuant to NAC § 704.9524(4)(b), the Company also requests that the Commission review and approve the M&V reports for program year 2017 provided in Technical Appendix DSM-1 through DSM-22 for the DSM programs delivered in the 2017 program year.

¹ See, Ordering Paragraph 11 in the Commission's Order issued December 24, 2012 in Docket Nos. 12-06052 and 12-06053.

**Nevada Power Company and Sierra Pacific Power Company
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Table DSM-2A: Nevada Power Company Proposed 2019-2021 Budget

Budget	2019	2020	2021
Energy Education	\$500,000	\$500,000	\$500,000
Energy Reports	\$1,200,000	\$1,200,000	\$1,200,000
Energy Assessments	\$2,500,000	\$2,500,000	\$2,500,000
Program Development	\$200,000	\$300,000	\$300,000
<i>Subtotal - Outreach & Program Development</i>	\$4,400,000	\$4,500,000	\$4,500,000
Residential Lighting	\$2,000,000	\$1,600,000	\$1,000,000
Pool Pumps	\$1,000,000	\$1,200,000	\$1,200,000
Low Income	\$2,000,000	\$2,000,000	\$2,000,000
Residential Air Conditioning	\$7,000,000	\$7,000,000	\$7,000,000
Direct Install	\$500,000	\$500,000	\$500,000
Residential Demand Response - Manage	\$7,300,000	\$7,500,000	\$7,700,000
Residential Demand Response - Build	\$7,000,000	\$7,100,000	\$7,300,000
<i>Subtotal - Home Services</i>	\$26,800,000	\$26,900,000	\$26,700,000
Schools Program	\$1,600,000	\$1,700,000	\$1,700,000
Commercial Services	\$14,500,000	\$14,500,000	\$15,000,000
Commercial Demand Response Program - Manage	\$800,000	\$900,000	\$1,000,000
Commercial Demand Response Program - Build	\$1,700,000	\$1,700,000	\$1,700,000
<i>Subtotal - Business Services</i>	\$18,600,000	\$18,800,000	\$19,400,000
Total DSM Programs	\$49,800,000	\$50,200,000	\$50,600,000

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Table DSM-2B: Sierra Pacific Power Company Proposed 2019-2021 Budget

Budget	2019	2020	2021
Energy Education	\$400,000	\$400,000	\$400,000
Energy Reports	\$575,000	\$675,000	\$775,000
Energy Assessments	\$1,125,000	\$1,375,000	\$1,375,000
Program Development	\$50,000	\$100,000	\$100,000
<i>Subtotal - Education</i>	\$2,150,000	\$2,550,000	\$2,650,000
Residential Lighting	\$1,100,000	\$800,000	\$600,000
Low Income	\$600,000	\$700,000	\$700,000
Residential AC Program	\$600,000	\$500,000	\$500,000
Direct Install	\$150,000	\$150,000	\$150,000
Residential Demand Response - Manage	\$800,000	\$900,000	\$1,100,000
Residential Demand Response - Build	\$2,500,000	\$2,600,000	\$2,700,000
<i>Subtotal - Residential</i>	\$5,750,000	\$5,650,000	\$5,750,000
Schools Program	\$600,000	\$600,000	\$600,000
Commercial Services	\$5,000,000	\$5,300,000	\$5,600,000
Commercial Demand Response Program - Manage	\$400,000	\$500,000	\$600,000
Commercial Demand Response Program - Build	\$900,000	\$900,000	\$900,000
<i>Subtotal - Commercial</i>	\$6,900,000	\$7,300,000	\$7,700,000
Total DSM Programs	\$14,800,000	\$15,500,000	\$16,100,000

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Table DSM-2C: Combined Proposed 2019-2021 Budget

Budget	2019	2020	2021
Energy Education	\$900,000	\$900,000	\$900,000
Energy Reports	\$1,775,000	\$1,875,000	\$1,975,000
Energy Assessments	\$3,625,000	\$3,875,000	\$3,875,000
Program Development	\$250,000	\$400,000	\$400,000
<i>Subtotal - Education</i>	\$6,550,000	\$7,050,000	\$7,150,000
Residential Lighting	\$3,100,000	\$2,400,000	\$1,600,000
Pool Pumps	\$1,000,000	\$1,200,000	\$1,200,000
Low Income	\$2,600,000	\$2,700,000	\$2,700,000
Residential AC Program	\$7,600,000	\$7,500,000	\$7,500,000
Direct Install	\$650,000	\$650,000	\$650,000
Residential Demand Response - Manage	\$8,100,000	\$8,400,000	\$8,800,000
Residential Demand Response - Build	\$9,500,000	\$9,700,000	\$10,000,000
<i>Subtotal - Residential</i>	\$32,550,000	\$32,550,000	\$32,450,000
Schools Program	\$2,200,000	\$2,300,000	\$2,300,000
Commercial Services	\$19,500,000	\$19,800,000	\$20,600,000
Commercial Demand Response Program - Manage	\$1,200,000	\$1,400,000	\$1,600,000
Commercial Demand Response Program - Build	\$2,600,000	\$2,600,000	\$2,600,000
<i>Subtotal - Commercial</i>	\$25,500,000	\$26,100,000	\$27,100,000
Total DSM Programs	\$64,600,000	\$65,700,000	\$66,700,000

Regulations, Compliance Items and Directives

Nevada Power and Sierra request that the Commission find that Companies have satisfied the items listed under Requirements in Table DSM-3.

**Nevada Power Company and Sierra Pacific Power Company
2018 Joint IRP Demand Side Plan**

Table DSM-3: DSM IRP Requirements Cross-Reference

Regulatory Requirement	Subsection	Requirement	Location of Provided Data
NAC 704.922	1b	Description of inputs to model used in developing resource plan.	DSM Narrative Section 4 Technical Appendix DSM-2 and Program Data Sheets
NAC 704.922	2b	Descriptions of all data inputs to the models used in developing the resource plan.	Work papers served on Staff and BCP concurrently with filing
NAC 704.922	2f	The final results derived from the models.	DSM Narrative Section 4 and Program Data Sheets
NAC 704.934	1	As part of a resource plan a utility must file a Demand Side plan	DSM Narrative and Technical Appendix
NAC 704.934	2a	End-uses for programs for conservation and demand management.	DSM Narrative and Program Data Sheets
NAC 704.934	2b	Assessment of savings attributable to technically feasible programs.	DSM Narrative Section 4 and Program Data Sheets
NAC 704.934	2c	Assessment of technically feasible programs to determine which will produce benefits in peak demand or energy consumption.	DSM Narrative Section 4 and Program Data Sheets
NAC 704.934	3	Consideration of new technologies with the potential impact of advances in digital technology and computer information systems.	DSM Narrative Section 4 and Program Data Sheets
NAC 704.934	4	Include in its demand side plan an energy efficiency program for residential customers which reduces the consumption of electricity or any fossil fuel. The energy efficiency program must include, without limitation, the use of new solar thermal energy sources.	DSM Narrative and Program Data Sheets
NAC 704.934	5	Tables for each approved DSM programs showing planned and achieved reduction in kW and kWh and costs (results table).	DSM Narrative Section 4, and Program Data Sheets
NAC 704.934	5a	Estimate of reduction in peak demand, energy consumption and average life	DSM Narrative Sections and Program Data Sheets
NAC 704.934	5b	Savings in costs of transmission and distribution.	DSM Narrative Section 4
NAC 704.934	5c	Assessment of impact on utility's load shapes of each proposed and exiting program for conservation and demand management	DSM Narrative Section 4
NAC 704.934	5d	Projected expenses for educational programs.	Program Data Sheet for Energy Education
NAC 704.934	6	Provide life cycle costs utilizing the Total Resource Cost test	DSM Narrative Section 4
NAC 704.934	7	Summary of 2017 Results (results table)	DSM Narrative Section 2
NAC 704.9489	1d	Timetable for acquisitions of options for programs for conservation and demand management.	Program Data Sheets
NAC 704.9489	1f	A section describing any plans of the utility to acquire additional modeling instruments.	The Company is not proposing to acquire new modeling instruments.
NAC 704.9489	1g	A section for the utility's program for conservation and demand management, including:	
NAC 704.9489	1g1	A description of continued planning efforts.	Action Plan, Sections 5-7. (Demand Side Plan Programs)
NAC 704.9489	1g2	A plan to carry out and continue selected measures for conservation and demand management that have been identified as desirable.	Action Plan, Sections 5-7. (Demand Side Plan Programs)
NAC 704.9489	1g3	Any impacts of imputed debt calculations associated with energy efficiency contracts in the preferred plan.	Action Plan, Sections 5-7. (Demand Side Plan Programs)
NAC 704.9489	1h4	Any impacts of imputed debt calculations associated with renewable energy contracts or energy efficiency contracts in the preferred plan.	Action Plan, Sections 5-7. (Demand Side Plan Programs)
NAC 704.9489	3	Requires that "the action plan must contain a budget for planned expenditures suitable for comparing planned and achieved expenditures. Expenses must be listed in a format that is consistent with the categories and periods to be presented in subsequent filings. The budget must be organized in the following categories:	
NAC 704.9489	3b	Conservation and demand management.	Action Plan, Section 5-7. (Demand Side Plan Programs)
NAC 704.952		Sessions for reviewing plans with Staff and BCP.	Technical Appendix DSM-1
NAC 704.9522	1	Measurement and verification protocol for energy efficiency measures.	DSM Narrative Section 4, Technical Appendix DSM-4 and Program Data Sheets
NAC 704.9522	2	Include M&V reports for 2017 by Program for review and approval by Commission.	Technical Appendix DSM 5 - DSM 20

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Table DSM-3: DSM IRP Requirements Cross-Reference - Continued

Docket Nos. 10-10024 and 10-10025	Calculation of expected lost revenues generated by the portfolio broken down by individual programs.	Section 4 of DSM Narrative
Docket Nos. 12-06052 and 12-06053	Provide to Staff and BCP at time of Filing all information and all supporting data upon which it relies to develop benefit/cost calculations related to DSM programs and lost revenue calculations for DSM programs.	Work papers served on Staff and BCP concurrently with filing
Docket Nos. 12-06052 and 12-06053	NV Energy shall include a discussion of, and support for, the development of load shapes (energy savings profiles).	Section 4 of DSM Narrative, Program Data Sheets, Technical Appendices DSM 5-DSM 20
Docket Nos. 12-06052 and 12-06053	NV Energy shall include documentation for all incremental cost calculations.	Section 4 of DSM Narrative, Program Data Sheets, Technical Appendices DSM 5-DSM 20
Docket Nos. 12-06052 and 12-06053	NV Energy shall utilize the measure life as presented in the latest Measurement and Verification reports unless documentation is provided to support a changed measure life.	Section 4 of DSM Narrative, Program Data Sheets, Technical Appendices DSM 5-DSM 20
Docket Nos. 12-06052 and 12-06053	NV Energy shall provide a discussion of, and support for, rebates and incentives offered for each appropriate program."	Section 4 of DSM Narrative, Program Data Sheets, Technical Appendices DSM 5-DSM 20
Docket Nos. 12-06052 and 12-06053	NV Energy shall include, for those programs that do not have an installed unit such as a refrigerator or pool pump but instead utilize an aggregate measure, a detailed discussion explaining and supporting the development of the aggregate measure."	Section 4 of Narrative, Program Data Sheets
Docket Nos. 12-06052 and 12-06053	NV Energy shall provide deemed savings on a per unit measure basis and present changes in Measurement and Verification verified deemed savings including the reasons behind the changes to future savings.	Section 4 of Narrative, Program Data Sheets
Docket Nos. 12-06052 and 12-06053	NV Energy shall present in its Demand Response data sheets, a residential section, a commercial section and a combined program section.	Sections 6 and 7: Demand Response Program Data Sheet
Docket Nos. 14-07007 and 14-07008	NV Energy shall confer with Staff and BCP to develop a revised Low Income program.	The testimony of Anita Hart
Docket Nos. 14-07007 and 14-07008	NV Energy shall within 90 days meet and confer with Staff and other interested parties to develop a definition for a pilot and the treatment of lost revenues for pilots and file the result with the Commission.	The testimony of Anita Hart
Docket Nos. 14-07007 and 14-07008	Companies shall provide a more detailed analysis of the program costs and kWh/KW savings for each company's respective Demand Response programs in future annual Demand Side Management update reports and Demand Side Plan section of triennial Integrated Resource Plan filings to include the breakout between optimization and demand events and between the build and manage components.	Sections 6 and 7: Demand Response Program - Program Data Sheet
Docket Nos. 15-06065 and 15-07004	Non-Profit Grants should be reported under Commercial Services Program.	Commercial Program Data Sheet
Docket Nos. 16-07007 and 16-07001	The signatories agree that Nevada Power will report in its 2018 Integrated Resource Plan on its assessment of the interactions between demand response and photo-voltaic systems.	The testimony of Anita Hart

Section 2. Program Year 2017 and Prior Year Results

The results for program year 2017 provided valuable lessons that informed the design process for the DSM portfolio of programs for the 2019-2021 Action Plan period. The lessons learned from the performance of programs in past years are important, and have been integrated into the Company's feedback and improvement process. This process is performed continuously during the program year, is used to implement corrective actions where appropriate, and forms a basis for program enhancements in future years. The lessons learned and the associated program enhancements are discussed in the program data sheets.

Summary of Program Year 2017 Results

Nevada Power Company

In program year 2017, Nevada Power surpassed its energy savings targets and fell short of its demand savings targets. Expenditures remained within the approved budget. Total verified energy savings for the 2017 program were 191,057,956 kWh (129.4 percent of the target of 147,597,000 kWh). The demand savings totaled 247,720 kW (94.8 percent of the target of 261,426 kW). Total DSM portfolio expenditures were \$39,390,297 (91.6 percent of the budget of \$43,000,000, includes recapture funds).

Table DSM-4A provides a summary of financial results. Table DSM-5A provides a summary of the demand and energy savings for program year 2017 as well as an Effective Useful Life ("EUL") tabulation. Table DSM-6A presents results of the financial analysis in the form of the TRC test for each program and at the portfolio level for program year 2017. The TRC values were calculated using the PortfolioPro financial modeling program. Section 4 of this DSM Narrative provides a description of the PortfolioPro model and lists the key inputs used for the financial analysis.

Notable among the program results were the savings achieved through the Commercial Services program, Schools program and the Commercial Demand Response – Manage program. Each of these programs significantly exceeded its targeted energy savings for 2017. Residential Air Conditioning, Residential Demand Response – Manage, Residential Demand Response – Build and Commercial Demand Response - Build programs fell short of targeted energy savings.

Sierra Pacific Power Company

In 2017, Sierra surpassed both its energy savings targets and demand savings targets. Expenditures remained within the approved budget. Total verified energy savings for the 2017 program were 56,366,537 kWh (142.3 percent of the target of 39,601,000 kWh). The demand savings totaled 25,325 kW (112.2 percent of the target of 22,581 kW). Total DSM portfolio expenditures were \$10,960,177 (93.7 percent of the budget of \$11,700,000).

Table DSM-4B provides a summary of financial results. Table DSM-5B provides a summary of the demand and energy savings for program year 2017 as well as EUL tabulations. Table DSM-6B presents results of the financial analysis in the form of the TRC test for each program and at the portfolio level for program year 2017. The TRC values were calculated using the PortfolioPro

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financial modeling program. Section 4 of this DSM Narrative provides a description of the PortfolioPro model and lists the key inputs used for the financial analysis.

Notable among the program results were the savings achieved through the Residential Demand Response – Manage program, Schools program and Commercial Services program. Each of these programs significantly exceeded its targeted energy savings for 2017. Residential Demand Response – Build, Commercial Demand Response – Manage and Commercial Demand Response - Build programs fell short of targeted energy savings.

Statewide Results

Together, in 2017, the Companies surpassed the statewide energy savings targets and fell short of its demand savings targets. Expenditures remained within the approved budget. Total verified energy savings for the 2017 program were 247,424,493 kWh (132.2 percent of the target of 187,198,000 kWh). The demand savings totaled 273,045 kW (96.1 percent of the target of 284,007 kW). Total DSM portfolio expenditures were \$50,350,474 (92.0 percent of the budget of \$54,700,000, includes recapture funds).

Table DSM-4C provides a summary of the statewide financial results. Table DSM-5C provides a summary of the demand and energy savings for program year 2017 as well as EUL. Table DSM-6C presents results of the financial analysis in the form of the TRC test for each program and at the portfolio level for program year 2017. The TRC values were calculated using the PortfolioPro financial modeling program. Section 4 of this DSM Narrative provides a description of the PortfolioPro model and lists the key inputs used for the financial analysis.

Notable among the program results were the savings achieved through the Commercial Services program, Schools program and the Commercial Demand Response – Manage program. Each of these programs significantly exceeded its targeted energy savings for 2017. Residential Air Conditioning, Residential Demand Response – Manage, Residential Demand Response – Build and Commercial Demand Response - Build programs fell short of targeted energy savings.

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Table DSM-4A: 2017 Nevada Power Company Financial Results

Programs	2017 Approved Budget	2017 Actual Expenditures	Variance from Approved Budget (%)
Energy Education	\$400,000	\$400,567	0.1%
Energy Reports	\$1,200,000	\$943,606	(21.4%)
Energy Assessments	\$3,500,000	\$2,222,104	(36.5%)
Program Development	\$400,000	\$334,268	(16.4%)
<i>Education Services Total</i>	\$5,500,000	\$3,900,544	(29.1%)
Residential Air Conditioning	\$7,000,000	\$6,237,363	(10.9%)
Residential Demand Response - Manage	\$7,600,000	\$5,852,210	(23.0%)
Residential Demand Response - Build	\$7,500,000	\$7,016,381	(6.4%)
<i>Residential Services Total</i>	\$22,100,000	\$19,105,955	(13.5%)
Schools	\$1,600,000	\$1,402,427	(12.3%)
Commercial Services	\$11,150,000	\$12,439,622	11.6%
Commercial Demand Response - Manage	\$1,150,000	\$895,044	(22.2%)
Commercial Demand Response - Build	\$1,500,000	\$1,470,947	(1.9%)
Market Potential Study		\$175,758	0.0%
<i>Commercial Services Total</i>	\$15,400,000	\$16,383,798	6.4%
Total DSM Programs	\$43,000,000	\$39,390,297	(8.4%)

Note: Includes recapture funds

Table DSM-4B: 2017 Sierra Pacific Power Company Financial Results

Programs	2017 Approved Budget	2017 Actual Expenditures	Variance from Approved Budget (%)
Energy Education	\$300,000	\$282,156	(5.9%)
Energy Reports	\$700,000	\$597,572	(14.6%)
Energy Assessments	\$1,700,000	\$1,224,157	(28.0%)
Program Development	\$100,000	\$54,055	(45.9%)
<i>Education Services Total</i>	\$2,800,000	\$2,157,940	(22.9%)
Residential Demand Response - Manage	\$500,000	\$448,643	(10.3%)
Residential Demand Response - Build	\$2,200,000	\$2,428,553	10.4%
<i>Residential Services Total</i>	\$2,700,000	\$2,877,196	6.6%
Schools	\$400,000	\$361,400	(9.7%)
Commercial Services	\$4,600,000	\$4,425,553	(3.8%)
Commercial Demand Response - Manage	\$450,000	\$261,775	(41.8%)
Commercial Demand Response - Build	\$750,000	\$801,004	6.8%
Market Potential Study		\$75,309	0.0%
<i>Commercial Services Total</i>	\$6,200,000	\$5,925,041	(4.4%)
Total DSM Programs	\$11,700,000	\$10,960,177	(6.3%)

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Table DSM-4C 2017 NV Energy Financial Results

Programs	2017 Approved Budget	2017 Actual Expenditures	Variance from Approved Budget (%)
Energy Education	\$700,000	\$682,723	(2.5%)
Energy Reports	\$1,900,000	\$1,541,178	(18.9%)
Energy Assessments	\$5,200,000	\$3,446,261	(33.7%)
Program Development	\$500,000	\$388,323	(22.3%)
<i>Education Services Total</i>	\$8,300,000	\$6,058,484	(27.0%)
Residential Air Conditioning	\$7,000,000	\$6,237,363	(10.9%)
Residential Demand Response - Manage	\$8,100,000	\$6,300,853	(22.2%)
Residential Demand Response - Build	\$9,700,000	\$9,444,934	(2.6%)
<i>Residential Services Total</i>	\$24,800,000	\$21,983,151	(11.4%)
Schools	\$2,000,000	\$1,763,827	(11.8%)
Commercial Services	\$15,750,000	\$16,865,175	7.1%
Commercial Demand Response - Manage	\$1,600,000	\$1,156,819	(27.7%)
Commercial Demand Response - Build	\$2,250,000	\$2,271,951	1.0%
Market Potential Study	\$0	\$251,067	0.0%
<i>Commercial Services Total</i>	\$21,600,000	\$22,308,839	3.3%
Total DSM Programs	\$54,700,000	\$50,350,474	(8.0%)

Table DSM-5A: 2017 Nevada Power Company Demand and Energy Saving Results

Programs	Demand kW			Energy kWh				
	Target	Verified Demand Savings	Variance Over (Under) %	Target	Verified Energy Savings	Variance Over (Under) %	EUL	Lifetime savings
Residential Air Conditioning	7,125	5,267	(26.1%)	13,300,000	10,937,357	(17.8%)	13.0	142,185,641
Residential Demand Response - Manage	189,044	180,890	(4.3%)	21,982,000	19,753,922	(10.1%)	4.0	79,015,688
Residential Demand Response - Build	23,000	23,590	2.6%	4,535,000	3,659,813	(19.3%)	10.0	36,598,130
<i>Residential Services Total</i>	219,169	209,747	(4.3%)	39,817,000	34,351,092	(13.7%)	9.0	257,799,459
Schools	505	2,749	444.4%	10,660,000	12,542,061	17.7%	12.5	156,148,659
Commercial Services	9,568	15,798	65.1%	90,000,000	135,176,397	50.2%	11.7	1,581,563,845
Commercial Demand Response - Manage	27,184	16,529	(39.2%)	4,420,000	7,677,895	73.7%	5.0	38,389,475
Commercial Demand Response - Build	5,000	2,897	(42.1%)	2,700,000	1,310,511	(51.5%)	10.0	13,105,110
<i>Commercial Service Total</i>	42,257	37,973	11.3%	107,780,000	156,706,864	45.4%	9.8	1,789,207,089
Total DSM	261,426	247,720	(5.2%)	147,597,000	191,057,956	29.4%	18.8	2,047,006,548

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Table DSM-5B: 2017 Sierra Pacific Power Company Demand and Energy Savings Results

Programs	Demand kW			Energy kWh				
	Target	Verified Demand Savings	Variance Over (Under) %	Target	Verified Energy Savings	Variance Over (Under) %	EUL	Lifetime savings
Residential Demand Response - Manage	7,419	7,373	(0.6%)	1,004,000	1,188,915	18.4%	8.00	9,511,320
Residential Demand Response - Build	7,000	6,503	(7.1%)	1,272,000	761,727	(40.1%)	10.00	7,617,270
<i>Residential Services Total</i>	14,419	13,876	(3.8%)	2,276,000	1,950,642	(14.3%)	9.00	17,128,590
Schools	314	471	50.0%	2,500,000	3,253,549	30.1%	15.00	48,803,235
Commercial Services	4,648	7,000	50.6%	34,000,000	50,803,353	49.4%	12.70	645,202,583
Commercial Demand Response - Manage	1,200	2,405	100.4%	375,000	130,440	(65.2%)	9.00	1,173,960
Commercial Demand Response - Build	2,000	1,573	(21.3%)	450,000	228,553	(49.2%)	10.00	2,285,530
<i>Commercial Service Total</i>	8,162	11,449	40.3%	37,325,000	54,415,895	45.8%	11.68	697,465,308
Total DSM	22,581	25,325	12.2%	39,601,000	56,366,537	42.3%	20.68	714,593,898

Table DSM-5C: 2017 Combined Demand and Energy Savings Results

Programs	Demand kW			Energy kWh				
	Target	Verified Demand Savings	Variance Over (Under) %	Target	Verified Energy Savings	Variance Over (Under) %	EUL	Lifetime savings
Residential Air Conditioning	7,125	5,267	(26.1%)	13,300,000	10,937,357	(17.8%)	13.0	142,185,641
Residential Demand Response - Manage	196,463	188,263	(4.2%)	22,986,000	20,942,837	(8.9%)	6.0	88,527,008
Residential Demand Response - Build	30,000	30,093	0.3%	5,807,000	4,421,540	(23.9%)	10.0	44,215,400
<i>Residential Services Total</i>	233,588	223,623	(4.3%)	42,093,000	36,301,734	(13.8%)	9.7	274,928,049
Schools	819	3,220	293.2%	13,160,000	15,795,610	20.0%	13.7	204,951,894
Commercial Services	14,216	22,798	60.4%	124,000,000	185,979,750	50.0%	12.2	2,226,766,428
Commercial Demand Response - Manage	28,384	18,934	(33.3%)	4,795,000	7,808,335	62.8%	7.0	39,563,435
Commercial Demand Response - Build	7,000	4,470	(36.1%)	3,150,000	1,539,064	(51.1%)	10.0	15,390,640
<i>Commercial Service Total</i>	50,419	49,422	2.0%	145,105,000	211,122,759	45.5%	10.7	2,486,672,397
Total DSM	284,007	273,045	(3.9%)	187,198,000	247,424,493	32.2%	20.4	2,761,600,446

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Table DSM-6A: 2017 Nevada Power Company TRC Benefits/Costs Results

Program	Benefits	Costs	Net Benefits	TRC B/C Ratio
Energy Education	\$0	\$400,567	(\$400,567)	N/A
Energy Reports	\$0	\$943,606	(\$943,606)	N/A
Energy Assessments	\$0	\$2,222,104	(\$2,222,104)	N/A
Program Development	\$0	\$334,268	(\$334,268)	N/A
<i>Educational Services Total</i>	\$0	\$3,900,544	(\$3,900,544)	0.00
Residential Air Conditioning	\$7,983,614	\$6,866,816	\$1,116,798	1.16
Residential Demand Response - Manage	\$77,128,883	\$15,273,101	\$61,855,782	5.05
Residential Demand Response - Build	\$24,670,721	\$10,290,440	\$14,380,281	2.19
<i>Residential Services Total</i>	\$109,783,218	\$32,430,357	\$77,352,861	3.39
Schools	\$4,920,860	\$3,847,462	\$1,073,398	1.28
Commercial Services	\$42,224,524	\$27,498,960	\$14,725,564	1.54
Commercial Demand Response - Manage	\$9,631,153	\$3,853,614	\$5,777,539	2.50
Commercial Demand Response - Build	\$5,265,979	\$3,192,642	\$2,073,337	1.65
<i>Commercial Service Total</i>	\$62,042,516	\$38,392,678	\$23,649,838	1.62
Total DSM Programs	\$171,825,734	\$74,723,579	\$97,102,155	2.30

Table DSM-6B: 2017 Sierra Pacific Power Company TRC Benefits/Costs Results

Program	Benefits	Costs	Net Benefits	TRC B/C Ratio
Energy Education	\$0	\$282,156	(\$282,156)	N/A
Energy Reports	\$0	\$597,572	(\$597,572)	N/A
Energy Assessments	\$0	\$1,224,157	(\$1,224,157)	N/A
Program Development	\$0	\$54,055	(\$54,055)	N/A
<i>Educational Services Total</i>	\$0	\$2,157,940	(\$2,157,940)	0.00
Residential Demand Response - Manage	\$8,968,677	\$3,147,995	\$5,820,682	2.85
Residential Demand Response - Build	\$8,548,548	\$5,017,349	\$3,531,199	1.70
<i>Residential Services Total</i>	\$17,517,225	\$8,165,344	\$9,351,881	2.15
Schools	\$1,497,636	\$586,925	\$910,711	2.55
Commercial Services	\$17,261,018	\$9,185,304	\$8,075,714	1.88
Commercial Demand Response - Manage	\$2,738,636	\$1,853,707	\$884,929	1.48
Commercial Demand Response - Build	\$4,744,422	\$3,634,633	\$1,109,789	1.31
<i>Commercial Service Total</i>	\$26,241,712	\$15,260,569	\$10,981,143	1.72
Total DSM Programs	\$43,758,937	\$25,583,853	\$18,175,084	1.71

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Table DSM-6C: 2017 Combined TRC Benefits/Costs Results

Program	Benefits	Costs	Net Benefits	TRC B/C Ratio
Energy Education	\$0	\$682,723	(\$682,723)	N/A
Energy Reports	\$0	\$1,541,178	(\$1,541,178)	N/A
Energy Assessments	\$0	\$3,446,261	(\$3,446,261)	N/A
Program Development	\$0	\$388,323	(\$388,323)	N/A
<i>Educational Services Total</i>	\$0	\$6,058,484	(\$6,058,484)	0.00
Residential Air Conditioning	\$7,983,614	\$6,866,816	\$1,116,798	1.16
Residential Demand Response - Manage	\$86,097,560	\$18,421,096	\$67,676,464	4.67
Residential Demand Response - Build	\$33,219,269	\$15,307,789	\$17,911,480	2.17
<i>Residential Services Total</i>	\$127,300,443	\$40,595,701	\$86,704,742	3.14
Schools	\$6,418,496	\$4,434,387	\$1,984,109	1.45
Commercial Services	\$59,485,542	\$36,684,264	\$22,801,278	1.62
Commercial Demand Response - Manage	\$12,369,789	\$5,707,321	\$6,662,468	2.17
Commercial Demand Response - Build	\$10,010,401	\$6,827,275	\$3,183,126	1.47
<i>Commercial Service Total</i>	\$88,284,228	\$53,653,247	\$34,630,981	1.65
Total DSM Programs	\$215,584,671	\$100,307,432	\$115,277,239	2.15

Tables DSM-7A, DSM-7B and DSM-7C summarize the budget and participant results for 2017 for the Energy Education, Energy Report and Energy Assessment programs.

Table DSM-7A: 2017 Nevada Power Company Non-Energy Results

Program	Program Budget			Participants		
	Approved	Actual	Variance	Target	Achieved	Variance
Energy Education	\$400,000	\$400,567	0.1%	32,600	78,523	140.9%
Energy Reports	\$1,200,000	\$943,606	(21.4%)	130,000	176,499	35.8%
Energy Assessments	\$3,500,000	\$2,222,104	(36.5%)	6,000	6,285	4.8%
Total	\$5,100,000	\$3,566,277	(30.1%)	168,600	261,307	55.0%

Table DSM-7B: 2017 Sierra Pacific Power Company Non-Energy Results

Program	Program Budget			Participants		
	Approved	Actual	Variance	Target	Achieved	Variance
Energy Education	\$300,000	\$282,156	(5.9%)	23,000	36,668	59.4%
Energy Reports	\$700,000	\$597,572	(14.6%)	65,000	93,989	44.6%
Energy Assessments	\$1,700,000	\$1,224,157	(28.0%)	4,000	3,133	(21.7%)
Total	\$2,700,000	\$2,103,885	(22.1%)	92,000	133,790	45.4%

