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P.A.

**NEW APPLICATION**



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**HAND DELIVERED**

Steve Olea, Director  
Utilities Division  
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1200 W. Washington St.  
Phoenix, AZ 85007

**E-01703A-11-0263**

Arizona Corporation Commission  
**DOCKETED**

JUN 30 2011

DOCKETED BY	<i>MMG</i>
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Re: *Duncan Valley Electric Cooperative, Inc. ("DVEC") REST Plan for Calendar Year 2012 (the "2012 REST Plan"); A.A.C. R14-2-1814; Docket No. E-01703A-11-\_\_\_\_\_*

Dear Mr. Olea:

Pursuant to the requirements of A.A.C. R14-2-1814, enclosed is DVEC's 2012 REST Plan.<sup>1</sup> DVEC requests that the Commission approve the 2012 REST Plan as provided in R14-2-1814.

Should you or any Staff member have questions concerning DVEC's 2012 REST Plan, please contact me. Your assistance in relation to these matters is appreciated.

Very truly yours,

GALLAGHER & KENNEDY, P.A.

*Michael M. Grant*

By:

Michael M. Grant

MMG/plp  
10421-51/2791874  
Enclosure

**Original and 13 copies** filed with Docket Control this 30<sup>th</sup> day of June, 2011.

cc (w/enclosure): Steve Olea, Utilities Division (delivered and e-mailed)  
Ray Williamson, Utilities Division (delivered and e-mailed)  
Brian Bozzo, Utilities Division (delivered)

<sup>1</sup> As required by the Rule, an electronic copy of the 2012 REST Plan is also being e-mailed to you.

**Duncan Valley Electric Cooperative, Inc.**

**REST Plan for Calendar Year 2012**

**A.A.C. R14-2-1814**

**June 30, 2011**

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## **I. BACKGROUND**

Duncan Valley Electric Cooperative, Inc. (“DVEC”) is a rural electric distribution cooperative headquartered in Duncan, Arizona and an all-requirements member of the Arizona Electric Power Cooperative, Inc. (“AEPCO”). DVEC provides electric service to approximately 1,682 members in Arizona’s Greenlee County and New Mexico’s Hidalgo and Grant Counties.

DVEC filed its first individual Renewable Energy Standard and Tariff (“REST”) plan in 2010 for the 2011 calendar year. Prior to the 2011 plan, DVEC participated in a joint renewable energy plan filed by AEPCO on behalf of certain of its Arizona member distribution cooperatives.

The Commission approved the Renewable Energy Standard and Tariff Rules (“REST Rules”) in Decision No. 69127. The REST Rules took effect August 14, 2007.

The REST Rules contain a section that specifically addresses electric power cooperatives. R14-2-1814.B instructs cooperatives to file by July 1 “an appropriate plan for acquiring Renewable Energy Credits from Eligible Renewable Energy Resources for the next calendar year.” Upon Commission approval, the provisions of the cooperative’s plan substitute for the requirements of R14-2-1804 and R14-2-1805.

Pursuant to these provisions, DVEC submits its REST Plan for calendar year 2012 (the “2012 REST Plan”) for approval.

## II. DVEC 2012 REST PLAN

DVEC uses primarily surcharge dollars to fund renewable programs. The 2012 REST Plan includes incentive support for distributed residential and commercial photovoltaic, solar water heating, wind generation and other renewable technologies. Funds are also used to pay for the administration, advertising and promotion of SunWatts programs.

The 2012 REST Plan continues rebate support for all technologies that were approved as part of the joint 2011 REST Plan filed by DVEC. There are four SunWatts programs which make up the DVEC 2012 REST Plan:

- (1) The Renewable Energy Purchase Program;
- (2) The SunWatts Rebate Program;
- (3) The Large-Scale Purchase Power Contract & Generating Program; and
- (4) The PV for Government, Schools and Nonprofits Program.

Each of these programs is discussed in greater detail below.

**(1) SunWatts Renewable Energy Purchase Program:** Retail customers are given the opportunity to voluntarily support the development of renewable energy resources. Renewable energy is offered to customers for purchase in 50 kWh blocks at a cost of \$2.00 per block. Renewable energy purchases are reflected as a line item on participating customers' retail bills. Funds received are used in support of the 2012 REST Plan programs. Advertising and other promotional activities have been and are used to encourage participation in this program.

**(2) SunWatts Rebate Program:** This program pays customers rebates to encourage the installation of qualifying photovoltaic ("PV"), solar water heating, small wind systems and other renewable technologies.

The rebate program pays an Up Front Incentive ("UFI") to members who install qualifying PV, small wind, solar water heating and solar daylighting systems. Subject to

available budget funds, DVEC will pay a UFI of \$3.00 per installed watt for solar and wind systems up to 10 kW in size. Solar water heating and solar daylighting systems will be supported with UFIs as outlined in Appendix 1. Projects receiving a UFI can receive no more than 40% of the total cost of the system in an incentive payment. DVEC will own all the renewable energy credits (“RECs”) from a project receiving a UFI throughout its operational life.

The rebate program provides Performance Based Incentives (“PBI”) for PV and small wind energy systems that are larger than 10 kW—subject also to available budget funds in any year. Additional technologies are also supported with a PBI as outlined in Appendix 1. Some PBIs outlined in Appendix 1 were adjusted using the Uniform Credit Purchase Program (“UCPP”) Year 3 program guidelines. PBI agreements are available for up to a 20-year term, but may be limited to the expected operational life of the technology. On all projects supported by a PBI, DVEC will own the RECs for the term of the REC agreement. Total PBI payments cannot exceed 50% of actual project cost. Systems that otherwise qualify for a PBI are subject to a competitive selection process where the most cost effective projects are rebated first. PBI projects will be competitively selected on a quarterly to semiannual basis. If a project is not chosen for funding, the applicant will be informed of the project’s status and given an opportunity to resubmit the project for consideration during the next selection process. Regardless of the number of projects submitted in a given evaluation period, DVEC reserves the right to negotiate the PBI agreement based on current market conditions to acquire the most competitively priced RECs. Distributed projects that are one megawatt or larger are not eligible for the incentives outlined in Appendix 1, but instead will be negotiated on a per-project basis relative to current market conditions.

Subject to the foregoing, distributed generation projects will be rebated on a first-come, first-served basis until funding is exhausted. Approved systems that are not rebated are eligible

to be placed on a waiting list until additional funding is available. When funding is available, rebates will be paid to the customer following a final inspection of the system. System installations are required to be performed by a licensed renewable energy contractor or electrician. In the case of solar water heaters, a licensed plumber can be used. If local conditions dictate, DVEC may allow self-installations as long as the customer has the installation inspected and verified by a licensed contractor. Incentives for all supported technologies are found in Appendix 1.

DVEC expects that the residential and commercial rebate program will support the installation of approximately 40 kW of qualifying renewable technologies in 2012. In addition, DVEC is participating currently with other cooperatives to support a commercial DG geothermal project located in Willcox, Arizona.

**(3) The SunWatts Large-Scale Purchase Power Contract and Generating Program:** The SunWatts large-scale program calls for DVEC, on its own or in partnership with others, to participate and assist in the development of large-scale renewable resources, either through purchase power agreements or by construction of utility-owned resources. Currently, no large-scale projects are planned to come online in 2012.

**(4) PV for Government, Schools and Nonprofits Program:** DVEC will encourage the installation of renewable energy systems on government, school and nonprofit buildings within its service territory by offering a PBI, consistent with those offered in the rebate program, to third-party developers or those with access to stimulus funding interested in installing renewable systems. The objective of this program is to use DVEC funding and leverage that against other resources to provide a benefit to such entities as well as further the goals of the REST program.

In prior REST plans, DVEC has offered an Educational Grant Program. Due to lack of interest and participation, DVEC has removed this element from the 2012 DVEC REST Plan.

DVEC will continue its support of the Arizona Utilities for Renewable Energy Education (“AZURE”) initiative. AZURE is jointly developing renewable energy education materials for teachers and educators across Arizona. The group’s website is [www.azure-education.com](http://www.azure-education.com).

Additionally, DVEC is participating in and will contribute funding to support the Commission’s “Go Solar Arizona” website initiative.

### **III. ADMINISTRATION OF THE SUNWATTS PROGRAM**

Annual Reporting and Plan Development: By April 1, 2013, DVEC will file a report that describes the results achieved from this 2012 REST Plan. On or before July 1 of each year, DVEC will file an updated REST plan as required by R14-2-1814.B.

Advertising and Promotion: SunWatts programs are promoted in a variety of media, for example: bill inserts and ads/stories in monthly newsletters; counter cards and posters; and participation at local events, such as the cooperative’s annual meeting and county fairs. Additionally, DVEC will maintain a SunWatts promotional presence outlining DVEC programs is maintained on our website at [dvec.org](http://dvec.org) and the Commission’s solar website at [arizonagoessolar.org](http://arizonagoessolar.org).

#### **Rebate Program Process and Procedures**

DVEC generally follows the program process guidelines of the UCPP working group recommendations.

Projects eligible to receive a UFI incentive are handled based on procedures similar to the following. First, the member submits an enrollment form to DVEC indicating interest in the program. The enrollment form is evaluated to determine project eligibility and form

completeness. If the enrollment form is not sufficient or the project is not eligible, the member is notified of project status. If the project qualifies, DVEC determines funding availability. If funds are available, the member is notified of project acceptance and that the project must be ready for inspection within six months of the application date. If the six months expires prior to inspection, the member must resubmit the project (an extension may be granted for good cause on a case-by-case basis). If no funding is available, the project is put on a waiting list and the member is notified as to that status. All projects on a waiting list will be funded in the order received as additional funding becomes available. Once DVEC accepts a project, the member must complete an interconnection agreement, submit a system schematic and provide copies of the project estimate and all permits within 60 days. Once the system is installed, the member informs DVEC of that fact. The system is inspected and the interconnection is verified. Once the system passes the inspection, DVEC processes the incentive.

Projects that are eligible to receive a PBI must first submit an enrollment form indicating interest in participation. Enrollment forms are evaluated for completeness and project eligibility. The member is notified of any deficiencies and given an opportunity to resubmit. If the enrollment form is accepted, it is put in a queue to competitively compete against other projects. Project evaluations are conducted quarterly or semiannually and all projects received during an evaluation period compete with other applications received. Projects will be evaluated based on the PBI being requested, the benefit the project brings to the community and the benefit the project brings to the system. The top projects will be awarded support until the budgeted funding for that period is exhausted. Any projects not selected can resubmit for consideration in the next evaluation period. Selected PBI projects must be installed within eight months of acceptance before the project needs to be resubmitted. The remainder of the PBI process is similar to the process for UFI projects.

Members can, at their own risk and discretion, assign their utility incentive to the contractor installing their system by contacting the cooperative in advance of the installation and making the necessary arrangements.

#### **IV. ESTIMATED RESULTS/BUDGET/TARIFFS**

##### **Estimated Results**

Based on the programs proposed and projects currently in place, as well as the assumptions stated in this 2012 REST Plan, DVEC anticipates a full year's operation would generate approximately 398 MWh of distributed renewable energy.

##### **Budget**

The budget for this 2012 REST Plan is provided in Appendix 2. The total DVEC program budget for 2012 is \$79,000. Of this, about \$67,000 or 85% of the budget will be allocated to support DG program activities. DVEC reserves the right, however, to move budgeted monies from program areas where funding is unspent to other program areas as needed.

##### **Tariffs**

No adjustment to the DVEC surcharge tariff is needed to fund this 2012 REST Plan as proposed.

**APPENDIX 1**

**REBATE PROGRAM INCENTIVE MATRIX**

<b>Technology</b>	<b>UFI</b>	<b>PBI</b>
Solar Electric	\$3 per watt up to 10 kW <i>Up to 40% of System Cost</i>	Not to exceed \$0.14 per kWh (for systems over 10 kW) <i>Up to 40% of System Cost</i>
Small Wind	\$3 per watt up to 10 kW <i>Up to 40% of System Cost</i>	Not to exceed \$0.097 per kWh (for systems over 10 kW) <i>Up to 40% of System Cost</i>
Solar Water Heating	\$.75 per kWh for first year savings	Not Eligible
Solar Daylighting	\$.18 per kWh for first year savings	Not Eligible
Geothermal Electric Thermal	Not Eligible	\$.020 per kWh over 20 years \$.040 per kWh over 20 years
Biogas/Biomass Electric Thermal	Not Eligible	\$.050 per kWh over 20 years \$.013 per kWh over 20 years
Cooling		\$.027 per kWh over 20 years
CHP-Electric		\$.029 per kWh over 20 years
CHP-Thermal		\$.015 per kWh over 20 years
Solar Space Cooling	Not Eligible	\$.108 per kWh over 20 years

**APPENDIX 2**

**Proposed DVEC 2011 REST Budget**

<b>Collected REST Funds</b>	<b>\$79,000</b>
<b>Rebate Program</b>	<b>(\$67,000)</b>
<b>Residential DG</b>	<b>(\$53,000)</b>
<b>Commercial DG</b>	<b>(\$14,000)</b>
<b>L-S Purchase Power &amp; Generation Program</b>	<b>\$0</b>
<b>Advertising</b>	<b>\$2,500</b>
<b>Administration/R&amp;D</b>	<b>\$9,500</b>
<b>Budget Deficit/Surplus</b>	<b>\$0</b>
<b>Total Advertising, R&amp;D &amp; Admin</b>	<b>\$12,000</b>